



ANNUAL REPORT

2019-20



CENTRAL AGRICULTURAL UNIVERSITY

Lamphel Pat, Imphal 795 004, Manipur, India

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LAMPHEL PAT, IMPHAL 795 004, MANIPUR, INDIA

Annual Report 2019-20

(April, 2019 to March, 2020)

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CENTRAL AGRICULTURAL UNIVERSITY
LAMPHEL PAT, IMPHAL 795 004, MANIPUR (INDIA)

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Foreword

THE University's Annual Report highlight our institution's many and varied achievements in 2019-20, as well as giving us an opportunity to consider the challenges that lie ahead and outlining the promises of many more achievements yet to come. Ensuring that the Central Agricultural University, Imphal is the destination of choice for students is the key to the success of the University. During the year, the university has received commendable success. Two of our students topped in the ICAR AIEEA JRF examination in the streams of Fisheries Science and Community Science and 10 of our students have qualified Agricultural Research Service (ARS).

The university conducts region specific, basic and strategic research apart from quality agricultural education and is making efforts to provide solutions to the numerous challenges faced by agriculture sector of the north east region in general and the country in particular. Developing technologies for doubling of farmer's income and ensuring food and nutritional security to the teeming population of the country has been one of its top priorities. Three varieties of rice, viz. CAU-R2 (Tomthinphou), CAU-R3 (Mangalphou) and CAU-R4 (Enotphou) were released and notified in the Gazette. To make our achievements reach the farming community, the university has made efforts to organize and execute certain important events at constituent colleges to have a technological interaction between scientists, stakeholders and farmers in the form of major events. Periodically all our activities and achievements are published by way of newsletters, farm magazines and books in hindi, english and other local languages and reached out to all the stakeholders.

My grateful thanks go to all our staff for the hard work that has gone into the last year and whose dedication has resulted in the achievements set out in this report. I wish to acknowledge with sincerest gratitude, the support from my entire team whose sincere and untiring efforts have made it possible to bring about a paradigm shift in every facet of the University and make significant progress. The extended support from State and Central Governments, Esteemed Indian Council of Agricultural Research, National and International Funding Agencies for carrying out research and other activities are highly acknowledged. The cooperation and guidance provided by Hon'ble



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members of the Board of Management, Finance Committee, Academic Council, Research Council and Extension Education Council is also acknowledged with grandeur. I wish to particularly acknowledge the editorial team of this progress report for their very valuable efforts which is highly appreciated. I am sure that all our stakeholders would be benefited by the information given in this report and will help them understand the sustained efforts taken by us.

Dated: 16.12.2020
Imphal

(Anupam Mishra)
Vice Chancellor

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Executive Summary

Academic

The Central Agricultural University (CAU) was established under Department of Agricultural Research and Education (DARE) on 26th January, 1993 by Central Agricultural University Act, 1992 (No.40 of 1992) of Parliament with its headquarters at Imphal, Manipur. It is a fully residential university covering all the North-East Hill states under its jurisdiction except Assam. Like other Agricultural Universities of India, the CAU also has integrated programmes of teaching, research and extension education. The University is equipped with well-established laboratories, research and demonstration farms, 6 KVKs, 6 multi-technology testing centres and 6 vocational training centres. The Central Agricultural University offers 9 Undergraduate, 43 Masters and 23 Ph. D. Degree Programmes in different subjects/disciplines through its 13 constituent colleges. The University was ranked at 25th position in the ranking status of Agricultural Universities for the year 2018 by ICAR and in 151-200 rank in India Ranking 2019 in overall category of National Institutional Ranking Framework (NIRF) by MHRD.

The new academic session started from 2nd July, 2019 for both UG and Master's courses. The Ph. D. Programmes for all the colleges started from 2nd August 2019. A total of 506, 183 and 38 students were admitted in various Undergraduates, Masters and Ph.D programmes, respectively during the academic year 2019-2020. Students from foreign countries one each from Malawi and Sudan were also admitted in

Masters degree program of the University. A total of 311 UG and 140 PG students completed their degrees and 21 students were also awarded Ph.Ds during this period. Out of the total students' strength of 2311 in the university, 357 students belong to the general category, 152 scheduled castes, 1169 scheduled tribes, 614 other backward class, 12 EWS, 4 Physically handicapped and 3 belonging to others category. Out of them, 990 students were male and 1321 were female amounting to Male: Female ratio as 1:1.33.

The students of the university showed excellent performance at national level competitive examinations and admissions in national/premier institutes of higher studies. Till date, 73% of the passed out students from this University are already employed/absorbed in Government departments. During the period under report, 10 students have qualified Agricultural Research Service (ARS), 14 students Junior Research Fellowship (JRF) examination, 4 students ICAR SRF examination, 21 NET and 6 GATE examination. Two students, viz. Keisham Geenita and D. Bernice Ekhe topped the in the ICAR AIEEA JRF examination in the streams of Fisheries Science and Community Science respectively. The university has an exemplary record of placement through campus interviews during last couple of years in a number of private and public sector organizations, government undertakings. 91 of our students were placed in various capacities in different organizations during the year 2019-20. For encouraging and motivating quality research



work, CAU Best Thesis Award for Faculty of Agriculture was approved in the 18th meeting of the Academic Council with the objective of recognizing the outstanding original research done by PG/Ph.D degree students under CAU, Imphal and to encourage high quality post-graduate research in priority areas of agriculture and allied sciences. Moreover, 12 numbers of motivational lecture series by successful alumni of the University were also organized to motivate the students of the University.

Students' Welfare

The university offers excellent opportunities to young minds and facilitates the accomplishment of their creative talent with emphasis on character building. The university provides a very healthy and conducive environment for co-curricular and extra-curricular activities for all round development of moral and physical health of students. The university has good play grounds/gymnasium, information centre and placement cell in constituent colleges. Each college has good auditorium with all facilities, health center, canteen, ATM booth and post office. All colleges celebrated the college week where students competed in various sports, games and cultural activities. All colleges have either N.C.C. or N.S.S. units under which students are engaged in actual social works in and around college campuses to develop a sense of service, team spirit and dignity of labour. The 6th Inter Collegiate Youth Festival cum Games & Sports Meet 2019-20 was held at the College of Agriculture, CAU, Imphal from 18th to 21st November, 2019. The University also participated in the the 20th All India Inter Agricultural Universities Sports & Games Meet held at Sri Venkateswara Veterinary University, Tirupati during 1st -5th March 2020. Mr. B. Keyeang, of CAU, Imphal won the 3rd position

in High Jump (M) and Ms. Anu Lakandri and Ms. Lalhrualtuangi won the 2nd position winner Badminton Doubles (W) bringing laurels to the University. The University also participated in the 20th All India Inter Agricultural Universities Youth Festival 2020 held at Indira Gandhi Krishi Viswavidyalaya, Raipur from February 08 to February 12, 2020 and the University received 4th position in the patriotic song competition.

The staff and students of the university also actively participated in implementation of all the major flagship programmes initiated by the Government of India. "International Day of Yoga" was celebrated with great enthusiasm and vigour. Unity Pledge and run for unity were organized as an endeavor to solidify the bond of oneness and unification on "Rashtriya Ekta Diwas". "Hindi Pakhwada-2019" was celebrated with debates, essay writing, poetry competition for creating awareness and promotion of uses of Raj Bhasa-Hindi in the official/everyday work. Cleanliness drive under the "Swachhata Hi Seva" campaign were also conducted along with planting of saplings in the college campus and its premises.

Research and Development

The University research aims to develop need based research projects through sustainable and eco-friendly scientific and technical approaches for developing agricultural technologies/practices/agricultural machines and equipments which can bring about a far reaching impact on productivity and profitability of crops, animals and fishes and develop new products for value addition, enhance income generation and in turn the socio-economic up-liftment of the people of North Eastern Hill Region. During the year under report, University carried out 65 (sixty five) Intramural Research Projects (IRPs) where 7 IRPs were newly sanctioned, 51 ongoing and 7 completed under University

EXECUTIVE SUMMARY

Funded Research Programmes. Out of the 99 (ninety nine) Externally Funded Research Projects, 8 were newly sanctioned, 80 ongoing and 11 were completed. The University also took up, from time to time, the contingency research projects and station research and trials which are of great concern and need immediate attention in the region. The University was successful in developing location specific recommendations and research findings on agriculture and allied disciplines for the farmers and agri-entrepreneurs of the N.E.H. Region. A number of recommendations have been made that helped in the development of agro based crop improvement, plant protection, and economically sustainable technologies specific for different agro-climatic conditions of the region. During the year 11.98 quintals of breeder seeds of field crops were produced against the target of 10 quintals in institute/university farm. In farmer's field, 584.70 quintals of certified and truthfully labeled seed of field crop were produced against the target of 505 quintals. Moreover 83 quintals of truthfully labeled seed (Oilseed) were also produced against the target of 60 quintals in farmer's field. Three varieties of rice, viz. CAU-R2 (Tomthinphou), CAU-R3 (Mangalphou) and CAU-R4 (Enotphou) were released and notified in the Gazette. One patent on Multi-Column Sand Filter a Method Thereof was also granted during the reporting year.

Extension Education

The Directorate of Extension Education provides extension services to the farmers of seven North-Eastern states through various programmes and activities. The programmes implemented during the year include trainings, demonstration, field days, Kisanmelas, farmer congress, exhibitions,

radio talks, TV telecast, film shows, workshop, etc. Transfer of technology activities were planned and coordinated in different districts of the seven states through its 13 constituent colleges, six Krishi Vigyan Kendras and six Multi Technology Testing & Vocational Training Centres.

A total of 46 numbers of capacity building training programmes for 861 extension functionaries of the line departments, KVKs, ATMAAs and NGOs, 13 Vocational Training Programmes of three months and 531 numbers of need based hands on training programmes were organised in the field of agriculture and allied activities. Altogether, 228 numbers of Unemployed Youth and 23,393 nos. of farmers/farm women/ rural youth were benefitted. 66 numbers of different technologies were tested on the farmers field by involving 360 numbers of farmers of Arunachal Pradesh, Manipur, Meghalaya, Mizoram and Tripura. Besides 136 numbers of Front Line Demonstration were conducted covering 721.65 ha and benefiting 2087 numbers of farmers.

A total of 30 externally funded extension research/adaptive research projects have been implemented by the Directorate of Extension Education with total financial outlay of Rs.15.58 crores. University has started ICT based extension services through m4agri project supported by DIC, New Delhi in two states viz., Mizoram and Tripura. A total 6365 numbers of farmers registered and 5901 numbers of advisories were issued to farmers on agri and allied sectors. During the period, 50 numbers of Success Stories of Farmers were compiled and published with ISBN. KVK- Imphal East, CAU, Imphal was awarded Pandit Deen Dayal Upadhyay Krishi Vigyan Protshanhan Puraskar 2019 under Zone VII for their outstanding activities in the last five years.



Human Resource Development

The University has total staff strength of 1102 including 28 administrative, 298 teaching and 776 non-teaching positions. At the headquarters, there are 14 executive officers in the administrative positions supported by 34 technical and 112 non-technical staff. In the constituent colleges of the university, there are 14 administrative staff, 298 teaching and 630 non teaching staff. During the year, 117 personals were newly appointed at constituent colleges. 25 staff members were transferred, 7 superannuated, 2 demised and 10 resigned from the service during the year under report. 114 non teaching members were also promoted. A total of 118 trainings, workshops, conferences, seminars, summer schools *etc* were organized at different constituent colleges of the university. Amongst the teaching staff, 3 teachers were deputed for higher studies. Faculty members were deputed for participation in 21 international, 70 national conferences & seminars, 64 workshops and 20 faculty members were deputed for long term training courses and 43 for short term training programs. 122 faculty members delivered lectures at various trainings, workshops and other programs. 58 faculty members served as external examiners at various institutes. 17 guest lectures were delivered by reputed scientists from other institutes at different constituent colleges of the university. A total of 41 faculties of the university were also recognized for their excellence in research and developmental works and ten MOU's were signed with reputed institutes during the period

for cooperative relationship through mutual assistance in the areas of education, research and extension activities.

Infrastructure Development

Various civil construction works were taken up during the year for meeting the required infrastructural facilities of the university. It included construction works of college buildings, laboratories, hostels, staff quarters, auditorium, information centers, canteen, post office, bank, security barracks *etc*. The university is giving special emphasis for speeding up of construction activities of the newly established colleges so that academic classes can be started at the permanent campus of the colleges at the earliest.

University Publication

During the reporting year, faculties of constituent colleges of the university have published 1083 research literatures comprising of 395 full length research and 64 digital object identifier articles, 54 seminar proceedings, 176 papers presented in seminars, symposia, 119 popular articles, 17 books, 61 book chapters and 134 manuals/pamphlets *etc*.

Visitors

The university witnessed the visits of 120 visitors in different college campuses located in seven states of the north east hill region of India during the reporting year. The visitors included eminent administrators, scientists, faculties, meritorious students and progressive farmers of varied experiences.



THE UNIVERSITY

1



CENTRAL Agricultural University (CAU), Imphal was established in the year 1993 under the Central Agricultural University Act, 1992 of the Parliament (Act No. 40 of 1992). The act authorized CAU to establish need based Educational Institutions in Agriculture in the North-Eastern Hill (NEH) Region of India. The Central Agricultural University, Imphal has thirteen constituent colleges viz., the College of Agriculture (Iroisemba, Imphal, Manipur), College of Fisheries (Lembucherra, Agartala, Tripura), College of Home Science (Tura, Meghalaya), College of Horticulture & Forestry (Pasighat, Arunachal Pradesh), College of Veterinary Science & Animal Husbandry (Selesih, Aizawl, Mizoram), College of Agricultural Engineering & Post Harvest Technology (Ranipool, Gangtok, Sikkim), College of Post Graduate Studies, (Barapani, Meghalaya), College of Food Technology (Lamphelpat, Manipur), College of Agriculture (Kyrdemkulai, Meghalaya), College of Agriculture (Pasighat, Arunachal Pradesh), College of Horticulture (Bermiok, Sikkim), College of Horticulture (Thenzawl, Mizoram) and College of Veterinary Sciences & Animal Husbandry (Jalukie, Nagaland) to carry out teaching, research and extension education programmes in agriculture and allied disciplines in the NEH region. The University is equipped with well-established laboratories, research and demonstration farms, 6 KVKs, 6 multi-technology testing centres and 6 vocational training centres.

I.I. Mandates, Mission, Goals and Objectives

1.1.1. Mandate

- The mandate of the University as

stipulated in the Act are:

- To impart education in different branches of agriculture and allied sciences as it may deem fit,
- To further the advancement of learning and prosecution of research in agriculture and allied sciences,
- To undertake programmes of extension education in the states under its area of jurisdiction and
- To undertake such other activities as it may determine from time to time.

1.1.2. Mission

Keeping the mandate in view, the mission of the university is to be a Centre of Excellence in Teaching, Research and Extension Education in the field of Agriculture and Allied Sciences.

1.1.3. Goal

- To fulfill the mission, the university has set the following goals:
- To produce globally competitive graduates and postgraduates in agriculture and allied sciences.
- To develop sustainable and profitable farming systems for enhancing productivity, production and profitability in agriculture and allied sectors.
- To educate the extension functionaries for effective dissemination of agro-technologies to the farmers, entrepreneurs and agro-industries.
- To be an important link in the chain for transforming agriculture and allied vocations into profitable enterprises and ensuring food and nutritional security to the people of NEH region.



1.1.4. Objectives

To meet the goals, the University has laid down the following objectives:

- To establish and develop excellent constituent colleges that offer undergraduate and postgraduate education in various states of the NEH Region under the area of jurisdiction of the university in the fields of agriculture, agricultural engineering, food technology, fisheries, home science, horticulture, forestry and veterinary sciences and animal husbandry.
- To impart quality education so as to produce globally competitive graduates and post-graduates in different areas of agriculture and allied sciences including interdisciplinary areas, who are confident and capable of working as scientists, entrepreneurs, managers, agro-industrial workers and progressive farmers.
- To establish research stations and specialized research laboratories for taking up basic and applied research by the scientists and postgraduate students.
- To develop and demonstrate alternative farming systems which help the farmers to improve their productivity and profitability while preserving and improving the environment.
- To establish transfer of technology centers including Krishi Vigyan Kendras (Farm Science Centers) for developing effective extension methodologies and training the trainers in information dissemination.
- To popularize improved farming systems, technologies and equipment on pilot basis as a model for other extension agencies.
- To offer short-term refresher and vocational courses and training

programmes to the officials of state government departments, farmers, entrepreneurs and agro-industrial houses.

- To have collaborations in the field of teaching, research, transfer of technology and developmental activities with the development departments of the state as well as national and international institutions including industrial and business houses.
- To provide consultancy services to progressive farmers, agro-industries and others involved in agriculture and allied sectors.
- To act as documentation and information center on agricultural education, research, extension methodology and rural development.

1.2. Area of Jurisdiction

The Central Agricultural University, Imphal has its area of jurisdiction over North-Eastern Hill (NEH) Region of India. It encompasses the states of Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Sikkim, Tripura and Nagaland. The states of Arunachal Pradesh and Sikkim are located in the Biodiversity Hotspot of Eastern Himalayan region while the states of Manipur, Meghalaya, Mizoram, Tripura and Nagaland are located in the Indo-Burma Biodiversity Hotspot region. There are 6 (six) camp offices of the Vice Chancellor in six states of NEH region for stay and monitoring of constituent campuses at regular intervals. It provides students and employees easy access to the competent authority and can discuss any issues, grievances *etc* for amicable solution. To avoid any administrative constraints, all the constituent colleges are well connected digitally and can communicate at any time.



1.2.1. Constituent Colleges of the University.

1.2.1.1. College of Agriculture, Iroisemba, Imphal, Manipur

The College of Agriculture, Imphal was established as first constituent College of Central Agricultural University, Imphal after taking over the erstwhile Manipur Agricultural College from Manipur University in November, 1993. The College is situated in an extensive area of Iroisemba, at a distance of about 6.0 km from Imphal city. The picturesque campus of College, covering an area of about 44 acres of land is surrounded by Langol Hillocks to its Western and Northern sides.



College of Agriculture, Imphal

1.2.1.2. College of Veterinary Sciences & Animal Husbandry, Selesih, Aizawl, Mizoram

The College of Veterinary Sciences & Animal Husbandry, was established on 30th October, 1998. The college is located at Selesih, North



College of Veterinary Sciences & Animal Husbandry, Selesih, Aizawl

Aizawl, 12 km away from Aizawl, the capital city of Mizoram. The campus is spread over 168.61 acres of land, mostly of hilly terrain at an altitude of 965 meter above the mean sea level.

1.2.1.3. College of Fisheries, Lembuchera, Tripura

The College of Fisheries, Lembuchera, Tripura was established on 3rd October, 1998 and is located at Lembucherra, at a distance of 12 km north of Agartala, having a total area of 55.59 acres. The College of Fisheries has been working on generating qualified human resources besides imparting research and training needs to the thirst area of fisheries and aquaculture in the entire NE region.



College of Fisheries, Lembucherra

1.2.1.4. College of Horticulture & Forestry, Pasighat, Arunachal Pradesh

The College of Horticulture and Forestry, was established on 7th March, 2001 at Pasighat, Arunachal Pradesh. Located on the banks of



College of Horticulture & Forestry, Pasighat, Arunachal Pradesh



the river 'Siang', the college campus is spread over in an area of 143.32 acres which includes research farm, instructional cum demonstration farm, KVK farm, and experimental farm.

1.2.1.5. College of Community Science, Tura, Meghalaya

College of Community Science was established on 24th September, 2004 at Tura, East Garo Hills, Meghalaya with a goal to refine and promote the skills of rural and tribal women and to improve the quality of life of families in the North-East Region with an objective to cater to women's education, bearing in mind the key role that they play in their homes, and farm and allied activities. Meghalaya, being a state which follows a matrilineal system, was perhaps thought of as the most suitable place to start a college that imparts education in Community Science to girl students by refining their visible roles as home makers and income generators. The College campus spread over 50 acres of land.



College of Community Science, Tura

1.2.1.6. College of Agricultural Engineering & Post Harvest Technology, Ranipool, Gangtok, Sikkim

The College of Agricultural Engineering and Post-Harvest Technology, Gangtok was established by CAU, Imphal in May 2006. The college is situated at Ranipool, at a distance



College of Agricultural Engineering & Post Harvest Technology, Ranipool, Sikkim

of 10.0 km from Gangtok, the capital city of Sikkim. The College campus is spread over an area of 19.26 acres of land at an altitude of 2438.4 m above the mean sea level, mostly hilly terrain comprising of terraces, hill slopes and valley land.

1.2.1.7. College of Post Graduate Studies in Agricultural Sciences, Umiam, Barapani, Meghalaya

The College of Post Graduate Studies (CPGS), Barapani was established in 2006 at Umiam (Barapani) in Ri-bhoi District which is at a distance of 20.0 km from Shillong, the capital city of Meghalaya. The main objective of the college is training of post graduate students of agriculture so that these students would eventually become torch bearers for enhancing agricultural growth and livelihood support for



College of Post Graduate Studies in Agricultural Sciences, Umiam



the farming and rural community as a whole. The college campus is spread over in an area of 14 acres of land.

1.2.1.8. College of Food Technology, Lamphelpat, Imphal, Manipur

The College of Food Technology was recently established at Lamphelpat, Imphal and started its first academic session from July, 2015. The college campus is spread over in an area of 30 acres. Currently classes are conducted in prefabricates structures of the college and it will continue till the construction of the permanent structures.



College of Food Technology, Lamphelpat, Imphal

1.2.1.9. College of Agriculture, Pasighat, Arunachal Pradesh

The College of Agriculture was also established recently at Pasighat, Arunachal Pradesh and started its first academic session from July, 2015. The college is temporarily operating from the campus of College of Horticulture and Forestry, Pasighat. However, the college has acquired 86.20 acres of land



College of Agriculture, Pasighat, Arunachal Pradesh

and permanent college buildings are on the urge of completion.

1.2.1.10. College of Agriculture, Kyrdemkulai, Meghalaya

The College of Agriculture at Kyrdemkulai, Meghalaya is temporarily operating from the campus of College of Post Graduate Studies, Barapani, Meghalaya and started its first academic session from July, 2015. The college has acquired 200 acres of land and permanent college buildings are going to be completed.



College of Agriculture, Kyrdemkulai, Meghalaya

1.2.1.11. College of Horticulture, Bermiok, Sikkim

The College of Horticulture was recently established at Bermiok, Sikkim which falls under Namchi Block of South Sikkim district in Sikkim and is temporarily operating from the campus of College of Agricultural Engineering and Post Harvest Technology, Ranipool, Gangtok, Sikkim and which will be shifted as soon as the



College of Horticulture, Bermiok, Sikkim



basic requirement of the College are created at Bermiok, South Sikkim. The college started its first academic session from July, 2015. The college campus is spread over in an area of 38.60 acres and permanent college buildings are going to be completed.

1.2.1.12. College of Horticulture, Thenzawl, Mizoram

The College of Horticulture was recently established at Thenzawl, Mizoram. The site of the college is at Tuitam Zau, Thenzawl which is 92 kms from Aizawl City. The college campus has a land area of 296.52 acres, with undulating hills and beautiful topography. The college started its first academic session from 15th July, 2016. Currently classes are held at prefabricated structures of the college and it will continue till the completion of permanent structures.



College of Horticulture, Thenzawl, Mizoram

1.2.1.13. College of Veterinary Sciences & Animal Husbandry, Jalukie, Nagaland

College of Veterinary Sciences and Animal Husbandry, Jalukie, Peren Dist. Nagaland was inaugurated by the Union Minister of Agriculture and Farmers Welfare Shri Radha Mohan Singh on 6th August 2016 and became functional with the admission of first batch of students to BVSc & AH Degree programme on 15th September 2016. The



College of Veterinary Sciences & Animal Husbandry, Jalukie

College is located at Jalukie Town under Peren District about 71.1km away from Dimapur, Nagaland at an altitude of 800-2500 meters above the sea level. The campus of the College is spread over 266 acres of land which is mostly semi slope area. The permanent hostels of both girls and boys are completed and classes are conducted in the prefabricated structures.

1.3. Statutory Authorities and Officers of the University

The Board of Management, Academic Council, Research Council, Extension Education Council, Finance Committee, Board of Studies and such other authorities as prescribed by the statute are the statutory authorities of the university.

The statutory officers of the university are the Chancellor, Vice-Chancellor, Director of Instruction, Director of Research, Director of Extension Education, Dean of Colleges, Registrar, Comptroller and Estate officer.

1.4. Highlights of Academics & Students' Welfare

1.4.1. Academic Activities

The University was ranked at 25th position in the ranking status of Agricultural Universities for the year 2018 by ICAR. The University also participated in the National Institutional



Ranking Framework (NIRF) by MHRD and was placed in 151-200 rank in India Ranking 2019 in overall category. On the recommendations of the ICAR Peer Review Team, the National Agricultural Education Accreditation Board, ICAR, New Delhi granted accreditation for various academic programmes (UG/PG/Ph.D's) to the Central Agricultural University, Imphal (Manipur) and its constituent colleges from 28th March, 2016 to 27th March, 2021.

The new academic session started from 2nd July, 2019 for both UG and Master's courses. The Ph. D. Programmes for all the colleges started from 2nd August 2019. A total of 506, 183 and 38 students were admitted in various Undergraduates, Masters and Ph.D programmes, respectively during the academic year 2019-20. Two students from foreign countries one each from Malawi and Sudan were also admitted in Masters degree program of the University. A total of 311 UG and 140 PG students completed their degrees and 21 students were also awarded Ph.D degrees during this period. Out of the total students' strength of 2311 in the university, 357 students belong to the general category, 152 scheduled castes, 1169 scheduled tribes, 614 other backward class, 12 EWS, 4 Physically handicapped and 3 belonging to others category. Out of them, 990 students were male and 1321 were female amounting to Male: Female ratio as 1:1.33.

The students of the university showed excellent performance at national level competitive examinations and admissions in national/premier institutes of higher studies. Till date, 73% of the passed out students from this University are already employed/absorbed in Government departments. During the period under report, 10 students have qualified Agricultural Research Service (ARS), 14 students Junior Research Fellowship (JRF) examination, 4 students ICAR SRF examination,

21 NET and 6 GATE examination. Two students, viz. Keisham Geenita and D. Bernice Ekhe topped the in the ICAR AIEEA JRF examination in the streams of Fisheries Science and Community Science respectively. The university has an exemplary record of placement through campus interviews during last couple of years in a number of private and public sector organizations, government undertakings. 91 of our students were placed in various capacities in different organizations during the year 2019-20. For encouraging and motivating quality research work, CAU Best Thesis Award for Faculty of Agriculture was approved in the 18th meeting of the Academic Council with the objective of recognizing the outstanding original research done by PG/Ph.D degree students under CAU, Imphal and to encourage high quality post-graduate research in priority areas of agriculture and allied sciences. The award will be declared annually from 2020-21 academic session onwards. Moreover, 12 numbers of motivational lecture series by successful alumni of the University were also organized to motivate the students of the University.

1.4.2. Students' Welfare

The university offers excellent opportunities to young minds and facilitates the accomplishment of their creative talent with emphasis on character building. The university provides a very healthy and conducive environment for co-curricular and extra-curricular activities for all round development of moral and physical health of the students. The university has good play grounds/gymnasium, information centre and placement cell in constituent colleges. Each college has good auditorium with all facilities, health center, canteen, ATM and post office. All colleges celebrated the college week where



students competed in various sports, games and cultural activities. All colleges have either N.C.C. or N.S.S. units under which students are engaged in actual social works in and around college campuses to develop a sense of service, team spirit and dignity of labour. The 6th Inter Collegiate Youth Festival cum Games & Sports Meet 2019-20 was held at the College of Agriculture, CAU, Imphal from 18th to 21st November, 2019. The University also participated in the 20th All India Inter Agricultural Universities Sports & Games Meet held at Sri Venkateswara Veterinary University, Tirupati during 1st -5th March 2020. Mr. B. Keyeang, of CAU, Imphal won the 3rd position in High Jump (M) and Ms. Anu Lakandri and Ms. Lalhrualtuangi won the 2nd position winner Badminton Doubles (W) bringing laurels to the University. The University also participated in the 20th All India Inter Agricultural Universities Youth Festival 2020 held at Indira Gandhi Krishi Viswavidyalaya, Raipur from February 08 to February 12, 2020 and the University received 4th position in the patriotic song competition.

I.5. Highlights of Research and Developmental Activities

The university has a separate Directorate of Research to coordinate, supervise, monitor and evaluate all the research activities. The university research aims in developing technologies which can bring about far reaching impact on production, productivity and profitability of crops, animals and fish through sustainable and eco-friendly scientific and technological approaches for socio-economic up-liftment of the people of N.E.H. Region.

In order to fulfill the research objectives of the university, a number of need based

location specific problem solving, internally and externally funded basic, strategic and applied research projects are being taken up in all the constituent colleges and Directorate of Research. During the year under report, University carried out 65 (sixty-five) Intramural Research Projects (IRPs) where 7 IRPs were newly sanctioned, 51 ongoing and 7 completed under University Funded Research Programmes. Out of the 99 (ninety nine) Externally Funded Research Projects, 8 were newly sanctioned, 80 ongoing and 11 were completed. The University also took up, from time to time, the contingency research projects and station research and trials which are of great concern and need immediate attention in the region. The University was successful in developing location specific recommendations and research findings on agriculture and allied disciplines for the farmers and agri-entrepreneurs of the N.E.H. Region. A number of recommendations have been made that helped in the development of agro based crop improvement, plant protection, and economically sustainable technologies specific for different agro-climatic conditions of the region. During the year 11.98 quintals of breeder seeds of field crops were produced against the target of 10 quintals in institute/university farm. In farmer's field, 584.70 quintals of certified and truthfully labeled seed of field crop were produced against the target of 505 quintals. Moreover 83 quintals of truthfully labeled seed (Oilseed) were also produced against the target of 60 quintals in farmer's field. Three varieties of rice, viz. CAU-R2 (Tomthinphou), CAU-R3 (Mangalphou) and CAU-R4 (Enotphou) were released and notified in the Gazette. One patent on Multi-Column Sand Filter a Method Thereof was also granted during the reporting year.



I.6. Highlights of Extension Education

Dissemination of information through field days, farmers fairs, training programmes are the significant ways to popularize any new pioneer technologies to the farming community. The university has made efforts to organize and execute certain important events at various colleges to have a technological interaction between scientists, stakeholders and farmers in the form of major events. The Directorate of Extension Education organized 46 numbers of capacity building training programmes for 861 extension functionaries of the line departments, KVKs, ATMAS and NGOs, 13 Vocational Training Programmes of three months and 531 numbers of need based hands on training programmes were organised in the field of agriculture and allied activities. Altogether, 228 numbers of Unemployed Youth and 23,393 nos. of farmers/ farm women/ rural youth were benefitted. 66 numbers of different technologies were tested on the farmers field by involving 360 numbers of farmers of Arunachal Pradesh, Manipur, Meghalaya, Mizoram and Tripura. Besides 136 numbers of Front Line Demonstrations were conducted covering 721.65 ha and benefited 2087 numbers of farmers.

A total of 30 externally funded extension research/adaptive research projects have been implemented by the Directorate of Extension Education with total financial outlay of Rs.15.58 crores. University has started ICT based extension services through M4agri project supported by DIC, New Delhi in two states viz., Mizoram and Tripura. A total 6365 numbers of farmers registered and 5901 numbers of advisories were issued to farmers on agri and allied sectors. During the period, 50 numbers of Success Stories of Farmers were compiled and published with ISBN. KVK- Imphal East,

CAU, Imphal was awarded Pandit Deen Dayal Upadhyay Krishi Vigyan Protshanhan Puraskar 2019 under Zone VII for their outstanding activities in the last five years.

I.7. Highlights of Human Resource Development

The overall performance of the staff and officers of the university improved through updating and upgrading their knowledge by allowing them to participate in advanced trainings, workshops, and conferences, symposia of national and international levels. The University encourages and supports all the colleges by deputing the staff and faculty members for higher studies. Each college arranges distinct on-campus and off-campus trainings of common interests by inviting the experts from outside the institution. The 1st CAU Best Teacher Award for Excellence in Teaching was started during the year and awarded on 21st Nov, 2019, i.e. closing ceremony of 6th CAU Inter Collegiate Youth Festival cum Games and Sports Meet 2019-20. The award was initiated to provide recognition to outstanding teachers and to promote excellence in teaching. Number of students guided along with placement record of the guided students and research publication of the students thesis work placed a high weightage in the selection process.

I.8. Highlights of Works and Infrastructure Development

Best possible efforts have been made to improve the infrastructural facilities in all the constituent colleges of the university. Nevertheless, significant achievements were made on various infrastructure development works in all the constituent colleges including the college buildings, laboratories, hostels, staff quarters, auditoriums, information centers,



canteen, bank and post office buildings and also, other buildings required for smooth running of the colleges.

I.9. New and On-going Initiatives

The following new and ongoing initiatives were continued as envisaged in the annual plan:

- i. Location specific problem solving Intramural Research Projects.
- ii. Extension Demonstration and Exhibition of New Technologies.
- iii. Innovative Extension Programmes in Colleges and KVKs.
- iv. Informal/Vocational Education Programmes for farmers/school dropouts.
- v. Experiential Learning Programmes of students.
- vi. Soft Skills, Communication Skills and Personality Development Programmes.
- vii. Formal Training Programmes for Line Departments.
- viii. Entrepreneurship and Business Skills





ACADEMIC & STUDENT WELFARE ACTIVITIES

2



THE Central Agricultural University offered 9 Undergraduate, 43 Masters and 23 Ph. D. Degree Programmes in different subjects/disciplines through its 13 constituent colleges. The University was ranked at 25th position in the ranking status of Agricultural Universities for the year 2018 by ICAR. The university maintains common Academic Calendar for all courses except B.V.Sc. & AH, which is governed by the Minimum Standards for Veterinary Education (MSVE Regulations of 2008, Veterinary Council of India). Admission in all the courses is made on the basis of rules framed by the admission committee of the University and Constituent Colleges. The Selection/ Nomination of candidates is made through Competitive Entrance Test conducted by the concerned member state located within the jurisdiction of CAU, Imphal for undergraduate programme. Common entrance test was conducted by University for PG & Ph.D programme and AIEEA conducted by Indian Council of Agricultural Research (ICAR), Krishi Anusandhan Bhawan, Pusa New Delhi. Candidates seeking admission for UG programme should be a permanent resident or domicile of any of the seven states of the NE Region, covered under the jurisdiction of the University. However, this condition is not applicable to the nominees of ICAR/VCI or any special category of nominees as decided by the University and Department of Agricultural Research and Education, Government of India. The University also has reserved some seats of open higher fee category for some of the undergraduate degree programmes of the university. These seats are against payment of higher fee and are admissible to Indian National from different states of the country.

2.1. Academic Activities of the University

On the recommendations of the ICAR Peer Review Team, the National Agricultural Education Accreditation Board, ICAR, New Delhi granted accreditation for various academic programmes (UG/PG/Ph.D's) to the Central Agricultural University, Imphal (Manipur) and its constituent colleges from 28th March, 2016 to 27th March, 2021.

All the colleges have well qualified experienced faculty members catering to the academic needs of the students. The comfortable staff to student ratio creates an engaged and interactive teaching environment. The university follows student advisory system where each faculty is allotted student to help him/her with academic or other personal problems during their degree programme. Classrooms are well secured, adequately furnished and equipped with the latest state of art technology including smart class room facilities and close circuit camera etc. Sanitary lavatories for both the boys & girls and teaching and non teaching staffs are also attached with the classrooms. All the laboratories are well furnished and equipped with high tech equipments for classroom, research and extension activities. Every college has computer laboratory which is connected with high speed internet facilities which can be accessed 24 x 7 hours.

2.1.1. Teaching

The details of seats allocated to different UG programmes in constituent colleges during 2019-20 are given in Table 2.1.1.

ACADEMIC & STUDENT WELFARE ACTIVITIES

**Table 2.1.1:** Students Allocation during 2019-20 for UG programme

Sl. No.	Degree Programme	STATES										
		Arunachal Pradesh	Manipur	Meghalaya	Mizoram	Nagaland	Sikkim	Tripura	ICAR/ICI	Others please specify) J & K	Payment Seats	Total
1.	B. Sc. (Hons) Agriculture											
a)	College of Agriculture, Imphal	12	16	14	09	09	09	16	19	-	10	114
b)	College of Agriculture, Kyrdemkulai, Meghalaya	02	04	04	02	02	01	04	03	-	-	22
c)	College of Agriculture, Pasighat, Arunachal Pradesh	05	03	02	02	02	02	03	03	-	05	27
2.	B.Sc. (Hons) Horticulture											
a)	College of Horticulture & Forestry, Pasighat	07	07	06	06	06	06	07	10	-	05	60
b)	College of Horticulture, Thenzawl	02	04	02	04	02	01	04	03	-	-	22
c)	College of Horticulture, Bermiok	02	04	03	01	02	04	03	03	-	-	22
3.	B.Sc. (Hons) Forestry											
	College of Horticulture & Forestry, Pasighat	04	05	03	04	03	03	04	04	-	05	35
4.	B.F.Sc. (Fisheries)											
	College of Fisheries, Tripura	04	09	03	03	05	03	09	05	-	05	46
5.	B.V.Sc. & A.H.											
a)	College of Veterinary Sciences & A.H., Selesih, Aizawl	12	09	09	12	04	06	11	12	02	03	80
b)	College of Veterinary Sciences & A.H., Jalukie, Nagaland	03	04	03	03	06	02	04	05	-	-	30
6.	B.Tech (Agricultural Engineering)											
	College of Agricultural Engineering and Post Harvest Technology, Gangtok	06	08	06	05	05	05	08	10	-	05	58
7.	B.Tech (Food Technology)											
a)	College of Agricultural Engineering and Post Harvest Technology, Gangtok	02	04	02	02	02	03	04	03	-	-	22



Sl. No.	Degree Programme	STATES										
		Arunachal Pradesh	Manipur	Meghalaya	Mizoram	Nagaland	Sikkim	Tripura	ICAR/VCI	Others please specify) J & K	Payment Seats	Total
b)	College of Food Technology, Imphal	02	05	03	02	02	01	04	03	-	05	27
8.	B.Sc. (Hons) Community Science College of Community Science, Tura, Meghalaya	07	09	11	05	05	05	08	05	0	-	55
9.	B.Sc. (Hons.) Food Nutrition & Dietetics College of Community Science, Tura, Meghalaya	02	03	05	02	02	02	03	03	0	-	22
Grand Total		72	94	76	62	57	53	92	91	02	43	642

2.1.2. Intake capacity and number of students admitted in 2019-20

The new academic session started from 2nd July, 2019 for both UG and Master's courses except College of Veterinary Sciences and Animal Husbandry where it started from 2nd July, 2019. Ph. D. Programmes for all the

colleges started from the 2nd August 2019. A total of 506, 183 and 38 students were admitted in various Under-graduates, Masters and Ph.D programmes, respectively. The college wise break-up of intake capacity, number of students admitted and number of students graduated are given in Table 2.1.2

Table 2.1.2: Intake capacity, admitted and passed out students during the academic session, 2019-20

A. Undergraduate programme

Sl. No.	Name of College	Degree Programme	Intake Capacity	No. of Students Admitted	No. of Students Graduated
1.	College of Agriculture, Imphal	B.Sc. (Agri.)	114	95	54
2.	College of Food Technology, Imphal	B.Tech (FT)	27	11	8
3.	College of Horticulture & Forestry, Pasighat	B.Sc. (Hort.) B.Sc. (Forestry)	60 35	53 28	34 15
4.	College of Agriculture, Pasighat	B.Sc. (Hons.) Agriculture	27	24	19
5.	College of Fisheries, Lembucherra, Tripura	B.F.Sc.	46	42	26

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Degree Programme	Intake Capacity	No. of Students Admitted	No. of Students Graduated
6.	College of Veterinary Sciences & A.H., Selesih, Aizawl	BVSc. & A.H.	80	81	55
7.	College of Horticulture, Thenzawl, Mizoram	B.Sc (Hons) Horticulture	22	13	-
8.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (Agril. Engg.) B. Tech. (Food Tech.)	58 22	42 12	26 10
9.	College of Horticulture, Bermiok	B.Sc. (Hons.) Horticulture	22	22	14
10.	College of Community Science, Tura, Meghalaya	B.Sc. (Hons.) State Nomination Community Science Open Admission	37 18	09 18	27
*		B.Sc. (Hons.) State Nomination Food Nutrition & Dietetics Open Admission	11 11	05 08	10
11.	College of Veterinary Sciences & A.H., Jalukie, Nagaland	B.V.Sc. & A.H	30	25	0
12.	College of Agriculture, Kyrdemkulai, Meghalaya	B.Sc. (Hons.) Agriculture	22	18	13
Grand Total			642	506	311

B. Master's programmes

Sl. No.	Name of College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded
1.	College of Agriculture, CAU, Imphal	M.Sc. (Agri.)	i) Agronomy ii) Agricultural Economics iii) Extension Education iv) Entomology v) Horticulture vi) Plant Pathology vii) Genetics & Plant Breeding viii) Soil Science & Agricultural Chemistry	5+3*=8 5+2*=7 5+2*=7 5+2*=7 5+4*=9 5+2*=7 5+3*=8 5+2*=7	07 04 07 07 08 05 08 06	3 3 4 7 4 5 7 5
Reserved for ICAR nominee			Sub Total	40+20=60	52	38



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Sl. No.	Name of College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded
2.	College of Horticulture & Forestry, Pasighat	M.Sc. (Horticulture)	Vegetable Science	4+1=5	5	4
			Fruit Science	4+1=5	5	3
			Floriculture	1+1=2	1	-
		M.Sc.(Forestry)		4+1=5	4	3
		Sub Total		13+4=17	15	10
3.	College of Post Graduate Studies in Agricultural Sciences, Umiam, Meghalaya	M.Sc. (Agri.)	Agronomy	5+3*=8	5	3
			Soil Science & Agricultural Chemistry	5+2*=7	5	5
			Genetics & Plant Breeding	5+3*=8	5	5
			Plant Molecular Biology & Biotechnology	5+2*=7	4	4
			Entomology	5+2*=7	3	5
			Plant Pathology	5+2*=7	3	5
			Agricultural Economics	5+2*=7	4	2
			Agricultural Extension	5+2*=7	4	3
		* Reserved for ICAR Nominee	Sub Total	40+18*=58	33	32
		MBA	(Agri. Business Management)	5+0=5	1	5
		* Reserved for ICAR Nominee	Sub Total	45+18*=63	34	37
4.	College of Fisheries, Lembucherra, Tripura	M.F.Sc.	Fish Biotechnology	4+1=5	04	-
			Fish Processing Technology (FPT)	4+1=5	05	02
			Aquaculture (AQC)	4+1=5	04	05
			Fish Genetics & Breeding (FGB)	4+3=7	07	05
			Fisheries Extension (FEX)	4+1=5	04	03
			Aquatic Animal Health	4+1=5	05	03
			Fisheries Resource Management (FRM)	4+1=5	05	04
		Sub Total		28+9=37	34	22

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	M.V.Sc.	Veterinary Biochemistry	4+1=5	-	-
			Veterinary Anatomy	3+1=4	01	-
			Animal Reproduction, Gynaecology and Obstetrics	4+1=5	04	02
			Veterinary Medicine	4+1=5	05	04
			Veterinary Parasitology	2+1=3	01	-
			Veterinary Pathology	4+1=5	05	04
			Veterinary Microbiology	4+1=5	02	-
			Veterinary Surgery and Radiology	4+1=5	05	04
			Veterinary Public Health and Epidemiology	4+3=7	01	01
			Animal Genetics and Breeding	4+1=5	03	01
			Animal Nutrition	4+1=5	02	01
			Veterinary Physiology	3+1=4	02	-
			Livestock Production and Management	4+1=5	04	03
			Livestock Products Technology	4+1=5	02	03
			Veterinary and Animal Husbandry Extension	3+1=4	03	01
			Veterinary Pharmacology & Toxicology	4+1=5	-	-
			Sub Total	77	40	24



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Sl. No.	Name of College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	M. Tech.	Soil & Water Conservation Engineering	3+2=5	2	3
		M. Tech.	Farm Machinery & Power Engineering	3+2=5	2	2
		M. Tech.	Processing & Food Engineering	3+2=5	2	1
		M. Tech.	Irrigation & Drainage Engineering	2+1=3	1	-
		M. Tech.	Renewable Energy Engineering	2+1=3	1	-
		Sub Total		13+8=21	8	6
7.	College of Community Science, Tura, Mehalaya	M.Sc. Community Science	Food Science and Nutrition	2+1=3	Nil	01
		M.Sc. Community Science	Extension Education and Communication Management	2+1=3	Nil	02
		Sub Total		4+2=6	0	03
		Grand Total		281	183	140

C. Ph. D. Programmes

Sl. No.	Name of the Constituent College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded
1.	College of Agriculture, CAU, Imphal	Ph.D. (Agri.)	i.) Agronomy	1+1=2	2	1
			ii.) Entomology	1+1=2	1	-
			iii.) Plant Pathology	1+1=2	1	1
			iv.) Genetics & Plant Breeding	2+1=3	2	-
			v.) Soil Science & Agricultural Chemistry	2+1=3	2	1
		Total		7+5=12	8	3
2.	College of Horticulture & Forestry, Pasighat.	Ph. D.	Vegetable Science	2+1=3	2	-
			Fruit Science	2+1=3	2	3
		Total		4+2=6	4	3

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of the Constituent College	Degree Programme	Discipline	Intake Capacity	No. of Students Admitted	No. of Students awarded		
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	Ph. D.	Agronomy	2+1*=3	1	-		
			Soil Science & Agricultural Chemistry	2+1*=3	2	1		
			Genetics & Plant Breeding	2+2*=4	4	2		
			Plant Molecular Biology & Biotechnology	2+1*=3	2	2		
			Plant Pathology	2+1*=3	2	2		
			* Reserved for ICAR Nominee	Agricultural Economics	2+1*=3	1	2	
				Agricultural Extension	2+1*=3	2	4	
			* Reserve for ICAR Nominee					
				Total	14+8*=22	15	13	
			4.	College of Fisheries, Lembucherra, Tripura	Ph. D	Aquatic Animal Health (AAH)	2+1*=3	02
Fish Processing Technology (FPT)	2+1*=3	02				Nil		
Total	4+2*=6	04				Nil		
5.	College of Veterinary Sciences and Animal Husbandry	Ph.D	Animal Nutrition	2+1=3	-	-		
			Livestock Production and Management	2+1=3	-	-		
			Veterinary Biochemistry	1+1=2	-	01		
			Veterinary Microbiology	2+1=3	01	-		
			Veterinary Pathology	1+1=2	01	-		
			Veterinary Medicine	2+1=3	01	01		
			Animal Reproduction, Gynaecology and Obstetrics	1+1=2	01	-		
			Veterinary Anatomy and Histology	1+1=2	-	-		
			Total	12+8=20	04	02		
			6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	Ph.D.	Soil & Water Cons. Engg.	1+1=2	-
Farm Machinery & Power Engineering	2+1=3	2				-		
Processing & Food Engineering	1+1=2	1				-		
Sub total	4+3=7	3				-		
Grand Total	45+28=73	38				21		



2.1.3. Students Strength in 2019-20

The total student strength of the university in the year was 2311 comprising of 1781 students at the Under-graduates [Table 2.1.3.

(A)], 407 students at Masters [Table 2.1.3. (B)] and 123 students at Ph.D [Table 2.1.3. (C)] degree programmes

Table 2.1.3: Students Strength in 2019-20

A. Under Graduate Programmes

Sl. No	Name of the College	Degree Programme	Year wise student's strength						No. of Students Graduated in 2019-20
			1 st	2 nd	3 rd	4 th	5 th	Total	
1.	College of Agriculture, CAU, Imphal	B.Sc. (Agri.)	95	86	78	53	-	312	54
2.	College of Horticulture & Forestry, Pasighat.	B.Sc. (Hort.)	53	49	38	44	-	184	34
		B.Sc. (Forestry)	28	23	24	22	-	97	15
3.	College of Fisheries, Lembucherra, Tripura	B.F.Sc.	42	40	34	27	-	143	26
4.	College of Veterinary Sciences and Animal Husbandry, Selesih, Aizawl	BVSc. & A.H.	81	73	45	61	45	305	55
5.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (Agril. Engg.)	42	33	22	35		132	26
		B. Tech. (Food Tech.)	12	07	09	05		33	10
6.	College of Community Science, Tura, Meghalaya	B.Sc. (Hons) Community Science	27	33	24	19	-	103	27
		B.Sc. (Hons) Food Nutrition & Dietetics	13	16	13	14	-	56	10
7.	College of Veterinary Sciences and Animal Husbandry, Jalukie, Nagaland	B.V.Sc. & A.H	25	26	25	26	-	102	-
8.	College of Agriculture, Pasighat	B.Sc.(Hons.) Agri.	24	18	19	17	-	78	19
9.	College of Agriculture, Kyrdemkulai, Meghalaya	B.Sc.(Agri.)	18	19	18	14	-	69	13
10.	College of Horticulture, Thenzawl	B.Sc (Horti) Hons.	13	14	17	17	-	61	-
11.	College of Horticulture, Bermiok	B. Sc. (Hons.) Horticulture	22	14	16	16	-	68	14
12.	College of Food Technology	B.Tech(FT)	11	7	10	10	-	38	8
Grand Total			506	458	392	380	45	1781	311

ACADEMIC & STUDENT WELFARE ACTIVITIES



B. Master's programmes

Sl. No.	Name of College	Degree Programme	Departments /Disciplines	Intake Capacity	Students Strength (M. Sc./ M. V. Sc. / M. F. Sc. / M. Tech.)			No. of Students awarded in 2019-20		
					Prev.	Final	Total			
1.	College of Agriculture, Imphal	M. Sc. (Agri)	i) Agronomy	8	7	8	15	3		
			ii) Ag. Economics	7	4	4	8	3		
			iii) Extn. Education	7	7	7	14	4		
			iv) Entomology	7	7	7	14	7		
			v) Horticulture	9	8	7	15	4		
			vi) Plant Pathology	7	5	6	11	5		
			vii) Genetics & Plant Breeding	8	8	8	16	7		
			viii) SSAC	7	6	6	12	5		
			Sub-Total		60	52	53	105	38	
2.	College of Horticulture & Forestry, Pasighat	M.Sc. Horticulture	Vegetable Science	5	5	5	10	4		
			Fruit Science	5	5	7	12	3		
			Floriculture	2	1	1	2	-		
		M.Sc. Forestry	Forestry	5	4	7	11	3		
				Sub-Total		17	15	20	35	10
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	M.Sc. (Ag.)	1. School of Natural Resource Management							
			i. Agronomy	8	5	6	11	3		
			ii. Soil Science & Agricultural Chemisty	7	5	7	12	5		
			2. School of Crop Improvement							
			i. Genetics & Plant Breeding	8	5	6	11	5		
			ii. Plant Molecular Biology & Biotechnology	7	4	2	6	4		
			3. School of Crop Protection							
			i. Entomology	7	3	8	11	5		
			ii. Plant Pathology	7	3	9	12	5		
			4. School of Social Sciences							
			i. Agricultural Economics	7	4	6	10	2		
			ii. Agricultural Extension	7	4	5	9	3		
				Sub Total		58	33	49	82	32
				MBA (Agri. Business Management		5	1	3	4	5
	Grand-Total		63	34	52	86	37			



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Sl. No.	Name of College	Degree Programme	Departments /Disciplines	Intake Capacity	Students Strength (M. Sc./ M. V. Sc. / M. F. Sc. / M. Tech.)			No. of Students awarded in 2019-20
					Prev.	Final	Total	
4.	College of Fisheries, Tripura	M.F.Sc.	Fish Biotechnology	5	4	-	4	-
			Fish Processing Technology (FPT)	5	5	3	8	2
			Aquaculture (AQC)	5	4	3	7	5
			Fish Genetics & Breeding (FGB)	7	7	1	8	5
			Fisheries Extension (FEX)	5	4	3	7	3
			Aquatic Animal Health	5	5	4	9	3
			Fisheries Resource Management (FRM)	5	5	4	9	4
			Sub-Total	37	34	18	52	22
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	MVSc.	Veterinary Biochemistry	5	-	2	2	-
			Veterinary Anatomy	4	1	1	2	-
			Animal Reproduction, Gynaecology and Obstetrics	5	4	6	10	2
			Veterinary Medicine	5	5	7	12	4
			Veterinary Parasitology	3	1	-	1	-
			Veterinary Pathology	05	05	05	10	4
			Veterinary Microbiology	05	02	04	06	-
			Veterinary Surgery and Radiology	5	05	7	12	04
			Veterinary Public Health and Epidemiology	7	01	6	7	01
			Animal Genetics and Breeding	05	03	4	7	01
			Animal Nutrition	05	02	4	6	1
			Veterinary Physiology	4	02	01	03	-
			Livestock Production and Management	05	04	7	11	3
			Livestock Products Technology	05	02	5	7	03

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Degree Programme	Departments /Disciplines	Intake Capacity	Students Strength (M. Sc./ M. V. Sc. / M. F. Sc. / M. Tech.)			No. of Students awarded in 2019-20
					Prev.	Final	Total	
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	M. Tech.	Veterinary and Animal Husbandry Extension	4	03	03	06	01
			Veterinary Pharmacology & Toxicology	5	-	-	-	-
			Sub-Total	77	40	62	102	24
			Soil & Water Conservation Engineering	5	2	5	7	3
			Farm Machinery & Power Engineering	5	2	3	5	2
			Processing & Food Engg.	5	2	6	8	1
			Irrigation & Drainage Engg.	3	1	-	1	-
			Renewable Energy Engg.	3	1	-	1	-
			Sub-Total	21	8	14	22	6
			Grand Total	281	183	224	407	140
7.	College of Community Science, Tura, Meghalaya	M.Sc. (Community Science)	Food Science & Nutrition	03	Nil	02	02	1
		M.Sc. (Community Science)	Extension Education and Communication Management	03	Nil	3	3	2
		Sub-Total		6	0	5	5	3



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

D. Ph.D. Programmes

Sl. No.	Name of College	Departments/ Disciplines	Intake Capacity	Students Strength (Ph. D.)				Total	No. of Students awarded in 2019-20
				1 st year	2 nd year	3 rd year	Extended students		
1.	College of Agriculture, CAU, Imphal	i. Agronomy	2	2	2	1	3	8	1
		ii. Entomology	2	1	-	1	-	2	-
		iii. Plant Pathology	2	1	2	1	2	6	1
		iv. Genetics and Breeding Plant	3	2	2	2	2	8	1
		v. Soil Science and Agril. Chem.	3	2	1	1	1	5	-
		Sub-Total	12	8	7	6	8	29	3
2.	College of Horticulture & Forestry, Pasighat.	Vegetable Science	3	2	2	2	2	8	-
		Fruit Science	3	2	2	2	2	8	3
		Sub-Total	6	4	4	4	4	16	3
3.	College of Fisheries, Lembucherra, Tripura	Aquatic Animal Health (AAH)	3	2	2	3	-	7	-
		Fish Processing Technology (FPT)	3	2	2	-	-	4	-
		Sub-Total	6	4	4	3	-	11	-
4.	College of Veterinary Sciences & A.H., Selesih, Aizawl	Animal Nutrition	3	-	-	-	-	-	-
		Livestock Production and Management	3	-	-	-	-	-	-
		Veterinary Biochemistry	2	-	-	-	-	-	1
		Veterinary Microbiology	3	1	-	-	-	1	-
		Veterinary Pathology	2	1	1	-	-	2	-
		Veterinary Medicine	3	1	1	1	-	3	1
		Animal Reproduction, Gynaecology and Obstetrics	2	1	-	-	-	1	-
		Veterinary Anatomy and Histology	2	-	1	-	-	1	-
		Sub-Total	20	4	3	1	-	8	2



Sl. No.	Name of College	Departments/ Disciplines	Intake Capacity	Students Strength (Ph. D.)					No. of Students awarded in 2019-20
				1 st year	2 nd year	3 rd year	Extended students	Total	
5.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	Soil & Water Conservation Engg.	02	-	01	-	-	01	-
		Farm Machinery & Power Engg.	03	02	1	-	01	4	-
		Process & Food Engg.	02	01	01	01	-	03	-
		Sub-Total	7	3	3	1	1	8	-
6.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	Agronomy	3	1	3	-	3	7	-
		Soil Science & Agril. Chem.	3	2	2	1	3	8	1
		Genetics & Pl. Breeding	4	4	3	1	3	11	2
		Pl. Mol. Biology & Biotechnology	3	2	-	-	1	3	2
		Pl. Pathology	3	2	1	2	4	9	2
		Agril. Economics	3	2	2	-	2	6	2
		Agril. Extension	3	2	1	1	3	7	4
		Sub-Total	22	15	12	5	19	51	13
		Grand Total	73	38	33	20	32	123	21

2.1.4. Category wise student's strength during 2019-20

The details of category wise break-up of students' strength in various UG, PG & Ph.D. programmes of the university are given in Table 2.1.4. Out of the 2311 students, 357 students belonged to the general category, 152 scheduled castes, 1169 scheduled tribes, 614 other backward class and 19 students from EWS/PC/others.

2.1.5. Male to Female students' ratio

During the academic year, 2019-20, 990 (42.84%) male and 1321 (57.16%) female, respectively, were enrolled in different degree programmes at constituent colleges. There was a marginal increase in the number of female students during the year and male: female student ratio was 1:1.33. The college wise break-up of male and female students enrolled in various courses is given in Table 2.1.5.



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Table 2.1.4: Category wise student's strength during 2019-20

Sl. No.	Name of College	Degree programme	Students Strength					Total
			Gen.	SC	ST	OBC	EWS/PC/others	
1.	College of Agriculture, CAU, Imphal	B. Sc. (Agri)	35	17	183	75	2/0/0	312
		M. Sc. (Agri)	27	14	10	48	2/4/0	105
		Ph.D. (Agri)	09	01	06	13	-	29
		Sub-Total	71	32	199	136	4/4/0	446
2.	College of Horticulture & Forestry, Pasighat	B.Sc. (Horticulture)	16	9	117	41	1/0/0	184
		B.Sc. (Forestry)	15	7	53	21	1/0/0	97
		M.Sc. (Horticulture)	1	1	13	9	0/0/0	24
		M.Sc.(Forestry)	-	1	6	4	-	11
		Ph.D. Programme.	3	-	6	6	1/0/0	16
		Sub-Total	35	18	195	81	3/0/0	332
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	M.Sc. (Ag.)	23	14	5	34	3/0/3	82
		MBA (Agri. Business Management)	1	-	3	-	-	4
		Ph.D Programme	11	4	18	18	-	51
		Sub-Total	35	18	26	52	3/0/3	137
4.	College of Fisheries, Lembucherra, Tripura	Bachelor of Fisheries Science	26	11	66	40	-	143
		Master of Fisheries Science	17	05	08	21	1/0/0	52
		Ph.D.	04	-	02	05	-	11
		Sub-Total	47	16	76	66	1/0/0	206
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	B.V.Sc. & A.H.	39	10	198	58	-	305
		Master of Veterinary Sciences	27	12	37	26	-	102
		Ph.D.	5	-	1	2	-	8
		Sub-Total	71	22	236	86	-	415
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (Agril. Engg.)	32	09	66	24	1/0/0	132
		B. Tech. (Food Tech.)	7	03	13	10	-	33
		M. Tech	11	-	06	05	-	22
		Ph. D.	04	02	-	02	-	08
		Sub-Total	54	14	85	41	1/0/0	195

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Degree programme	Students Strength					Total
			Gen.	SC	ST	OBC	EWS/PC/ others	
7.	College of Community Science, Tura, Meghalaya	B.Sc. (Hons) Community Science	07	05	54	37	-	103
		B.Sc. (Hons) Food Nutrition & Dietetics	02	03	32	19	-	56
		M.Sc. Community Sc.	01	-	02	02	-	05
		Sub-Total	10	08	88	58	-	164
8.	College of Veterinary Sciences and Animal Husbandry, Jalukie, Nagaland	B.V.Sc. & A.H	7	7	75	13	-	102
		Sub-Total	7	7	75	13	-	102
9.	College of Agriculture, Pasighat	B.Sc. (Hons) Agriculture	06	04	54	14	-	78
		Sub-Total	06	04	54	14	-	78
10.	College of Agriculture, Kyrdemkulai, Meghalaya	B.Sc.(Agri.)	5	1	45	18	-	69
		Sub-Total	5	1	45	18	-	69
11.	College of Horticulture, Thenzawl	B.Sc (Horti) Hons.	6	2	42	11	-	61
		Sub-Total	6	2	42	11	-	61
12.	College of Horticulture, Bermiok	B. Sc. (Hons.) Horticulture	4	3	38	23	-	68
		Sub-Total	4	3	38	23	-	68
13.	College of Food Technology, Imphal	B.Tech(FT)	6	7	10	15	-	38
		Sub-Total	6	7	10	15	-	38
Grand Total			357	152	1169	614	12/4/3	2311



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Table 2.1.5: Enrolled male and female students and their ratio during the academic session, 2019-20

Sl. No.	Name of College	Degree Programme	Total students	Male students		Female Students		M:F Ratio
				No.	%	No.	%	
1.	College of Agriculture, CAU, Imphal	B.Sc. (Agri)	312	148	47.44	164	52.56	1:1.11
		M. Sc. (Agri)	105	61	58.10	44	41.90	1:0.72
		Ph.D. (Agri)	29	09	31.03	20	68.97	1:2.22
		Sub-Total	446	218	136.57	228	163.43	1:1.05
2.	College of Horticulture & Forestry, Pasighat	B.Sc.(Hort.)	184	63	34.24	121	65.76	1:1.92
		B.Sc.(Forestry)	97	48	49.48	49	50.52	1:1.02
		M.Sc. (Horticulture)	24	10	41.67	14	58.33	1:1.40
		M.Sc.(Forestry)	11	6	54.55	5	45.45	1:0.83
		Ph.D. Programme.	16	6	37.5	10	62.5	1:1.67
		Sub-Total	332	133	40.06	199	59.94	1:1.50
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	M.Sc. (Ag.)	82	43	52.44	39	47.56	1:0.91
		MBA (Agri. Business Management)	4	3	75	1	25	1:0.33
		Ph.D Programme	51	31	60.78	20	39.22	1:0.65
		Sub-Total	137	77	56.20	60	43.80	1:0.78
4.	College of Fisheries, Lembucherra, Tripura	Bachelor of Fisheries Science	143	57	39.86	86	60.14	1:1.51
		Master of Fisheries Science	52	28	53.85	24	46.15	1:0.86
		Ph.D.	11	07	63.64	04	36.36	1:0.57
		Sub-Total	206	92	44.66	114	55.34	1:1.24
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	B.V.Sc. & A.H.	305	120	39.34	185	60.66	1:1.54
		Master of Veterinary Science	102	60	58.82	42	41.18	1:0.70
		Ph.D.	08	05	62.5	03	37.5	1:0.60
		Sub-Total	415	185	44.58	230	55.42	1:1.24
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (AE)	132	84	63.64	48	36.36	1:0.57
		B. Tech. (FT)	33	16	48.48	17	51.52	1:1.06
		M. Tech. (FMPE)	22	17	77.27	05	22.73	1:0.29
		Ph.D. (PFE)	08	04	50	04	50	1:1.0
		Sub-Total	195	121	62.05	74	37.95	1:0.61

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Degree Programme	Total students	Male students		Female Students		M:F Ratio
				No.	%	No.	%	
7.	College of Community Science, Tura, Meghalaya	B.Sc. (Hons) Community Science	103	Nil	Nil	103	100%	0:1.0
		B.Sc. (Hons) Food Nutrition & Dietetics	56	Nil	Nil	56	100%	0:1.0
		M.Sc. (Community Science) Food Science & Nutrition	05	Nil	Nil	05	100%	0:1.0
		Sub-Total	164	Nil	Nil	164	100%	0:1.0
8.	College of Veterinary Sciences and Animal Husbandry, Jalukie, Nagaland	B.V.Sc. & A.H	102	36	35.29	66	64.71	1:1.83
		Sub-Total	102	36	35.29	66	64.71	1:1.83
9.	College of Agriculture, Pasighat	B.Sc. (Hons.) Agriculture	78	38	48.72	40	51.28	1:1.05
		Sub-Total	78	38	48.72	40	51.28	1: 1.05
10.	College of Agriculture, Kyrdemkulai, Meghalaya	B.Sc. (Agri.)	69	25	36.23	44	63.77	1:1.76
		Sub-Total	69	25	36.23	44	63.77	1: 1.76
11.	College of Horticulture, Thenzawl	B.Sc (Hons) Horticulture	61	24	39.34	37	60.66	1:1.54
		Sub-Total	61	24	39.34	37	60.66	1: 1.54
12.	College of Horticulture, Bermiok	B. Sc. (Hons.) Horticulture	68	23	33.82	45	66.18	1:1.96
		Sub-Total	68	23	33.82	45	66.18	1: 1.96
13.	College of Food Technology, Imphal	B.Tech(FT)	38	18	47.37	20	52.63	1:1.11
		Sub-Total	38	18	47.37	20	52.63	1:1.11
		Grand Total	2311	990	42.84	1321	57.16	1:1.33



2.1.6. Rank Holders of U.G. and P.G. programmes, 2019-20

A: First Rank Holders under UG Programme in different Colleges during the year, 2019-20

Sl. No.	Name of Colleges	Degree Offered	Names of Students	OGPA
1.	College of Agriculture, Imphal	B.Sc. (Agri.)	Ms. Nikita Laishram	8.71
		M. Sc. (Agri)	Ms. Takhelmayum Malemnganbi	8.83
		Ph.D. (Agri)	Mr. Yanglem Herojit Singh	8.74
2.	College of Horticulture & Forestry, Pasighat	B.Sc.(Hort.)	Ms. Gepu Nyorak	8.75
		B.Sc.(Forestry)	Ms. Keisham Bindyalaxmi	8.61
3.	College of Fisheries, Lembucherra, Tripura	B.FSc.	Ms. Christina Khandrakpam	8.90
		M.FSc.	Ms. Purnabhadra Pal	9.07
4.	College of Veterinary Sciences & A.H., Selesih, Aizawl	BVSc. & A.H.	Miss Yumpi Kamdak	8.61
5.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (Agril. Engg.)	Ms. Karisma Yumnam	8.92
		B. Tech. (Food Tech.)	Ms. Prerana Preyasi	9.02
6.	College of Community Science, Tura, Meghalaya	B.Sc. (Hons) Community Science	Tage Ani	9.04
		B.Sc. (Hons) Food Nutrition & Dietetics	Pheelina Bhujel	8.47
7.	College of Agriculture, Pasighat, Arunachal Pradesh	B.Sc.(Agri.)	Ms. Ngangbam Pushparani	8.48
8.	College of Agriculture, Kyrdemkulai, Meghalaya	B.Sc.(Agri.)	Ms. Th. Sarjubala Devi	8.96
9.	College of Horticulture, Bermiok, Sikkim	B. Sc. (Hons.) Horti	Afad Akbar	8.78
10.	College of Food Technology, Imphal	B.Tech(Food Tech)	Ng. Sweetychanu	9.09

B: Subject wise first rank holders in Master's Programme in different colleges during the year, 2019-20

Sl. No.	Name of College	Subject	Names of Students	OGPA
1.	College of Agriculture, Imphal	Agronomy	Ms. Takhelmayum Malemnganbi	8.83
		Entomology	Ms. Sukanya Sougaijam	8.35
		Ext. Education	Ms. S. KareiniKayini	8.04
		Horticulture	Ms. Meikamlchancha,	8.76
		Genetics and Plant Breeding	Ms Magudeeswari P.	8.44
		Soil Science and Agricultural Chemistry	Mr. Dasari Gopal	8.21

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Subject	Names of Students	OGPA
2.	College of Horticulture & Forestry, Pasighat	Vegetable Science	Ms. Kavyashree B.	8.62
		Fruit Science	Mr. Kripa Shankar	8.95
		Floriculture	Mr. Tara Konia	8.18
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	Agronomy	Ms. Dhivya R.S.	8.95
		Soil Science and Agricultural Chemistry	Ms. Sowjanya T V	8.73
		Genetics and Plant Breeding	Ms. ViolinaBharali	8.69
		Plant Molecular Biology and Biotechnology	Ms. Saumika Bhattacharjee	8.36
		Entomology	Ms. Sonali Nakambam	8.83
		Plant Pathology	Ms. Bhashwati Sharma	8.86
		Agril. Economics	Ms. Minam Gamoh	8.74
		Agril. Extension	Ms. Sengmitchi D Sangma	8.67
		MBA (Agri. Business Management)	Mr. Hijam Thoiba Meitei	7.50
4.	College of Fisheries, Lembucherra, Tripura	M.F.Sc (Aquatic Animal Health)	Mr. Y.A. Mangang	8.51
		M.F.Sc. (Aquaculture)	Mr. Sandeep Kumar Behra	8.69
		M.F.Sc. (Fish Processing Technology)	Ms. Banalata Rout	8.62
		M.F.Sc. (Fisheries Extension)	Mr. Bikash Shil	8.65
		M.F.Sc. (Fish Genetics and Breeding)	Ms. Ananya Khati	8.90
		M.F.Sc. (Fisheries Resource Management)	Ms. Rituparna Sasmal	9.05
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	Animal Reproduction, Gynaecology and Obstetrics	Gisha TresaBinny	8.66
		Veterinary Medicine	Prasenjit Debnath	8.43
		Veterinary Pathology	Kiran J.	8.57
		Veterinary Microbiology	Lalremruata	8.10
		Veterinary Surgery and Radiology	Nirmali Sarma	8.51
		Veterinary Public Health and Epidemiology	H. Vanlalhruii	8.00
		Animal Genetics and Breeding	KaihoKaisia	8.59
		Animal Nutrition	Vaisakh V.P.	8.63
		Livestock Production and Management	Nanda Kumar Roy	8.09



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Sl. No.	Name of College	Subject	Names of Students	OGPA
6.	College of Agricultural Engg. & Post Harvest Technology, Gangtok	Livestock Products Technology	Chandana Sonowal	8.12
		Veterinary and Animal Husbandry Extension	K. Joshua Kath	8.06
		M. Tech. (SWCE)	Mr. P. Kanthavel	8.70
		M. Tech. (FMPE)	Mr. Philipo William Kulaya	8.16
		M. Tech. (PFE)	Mr. Taynath Santosh Jagannath	8.74
7.	College of Community Science, Tura, Meghalaya	Food Science & Nutrition	Ms. ElvinaShongsirMonsang	8.82
		Extension Education and Communication Management	Ms. Silkame N. Sangma	8.28

C: Students awarded Ph.D degree in different colleges during the year, 2019-20

Sl. No.	Name of College	Subject	Names of Students	GPA
1.	College of Agriculture, CAU, Imphal	Agronomy	-	
		Plant Pathology	Mr. Yanglemherojit Singh	8.74
		GPB	-	
		Soil Science and Agricultural Chemistry	Ms. NiveditaOinam	7.74
2.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	Soil Science and Agril. Chem	Ms. Euwanrida Adleen Shylla Lyngdoh	8.06
		Genetics and Plant Breeding	Mr. TalomDabi	7.73
			Mr. Naveenkumar K.L.	7.89
		Plant Molecular Biology and Biotechnology	Mr. Karma LandupBhutia	8.22
			Mr. Billy Cherian	7.65
		Plant Pathology	Ms. JanshameTariang	8.51
			Ms. MarkidahunBiam	8.56
		Agril. Economics	Mr. Narendr Kumar Meena	8.10
			Ms. NivetinaLaitonjam	8.21
		Agril. Extension	Mr. Sao EvalwellDkhar	8.27
			Ms. Jyothi S.S.P.	8.37
			Mr. TermaricOinam	8.28
3.	College of Veterinary Sciences & A.H., Selesih, Aizawl		Ms. Deepa Thangjam	9.02
		Veterinary Biochemistry	Ankan De	9.26
		Veterinary Medicine	Moneesh Thakur	8.20

ACADEMIC & STUDENT WELFARE ACTIVITIES

**Table 2.1.7:** Scholarship awarded to students, 2019-20 (NTS/ University Merit Scholarship/Others)

Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
1.	College of Agriculture, Imphal	B.Sc. (Agri.)	1 st yr	6	-	-
			2 nd yr	4	-	-
			3 rd yr	2	-	-
			4 th yr	3	-	-
		M.Sc. (Agri.)	1 st yr	10	32	2
			2 nd yr	9	24	1
		Ph D.	1 st yr	-	8	-
			2 nd yr	-	5	-
2.	College of Horticulture & Forestry, Pasighat	B.Sc. (Horticulture)	1 st	4	1(UMS)	-
			2 nd	9	1(UMS)	-
			3 rd	1	1(UMS)	-
			4 th	2	1(UMS)	-
		B.Sc. (Forestry)	1 st	2	1(UMS)	-
			2 nd	1	1(UMS)	-
			3 rd	1	1(UMS)	-
			4 th		1(UMS)	-
		M.Sc. (Forestry)	1 st		4 (UIF)	-
			2 nd		3 (UIF)	-
		M.Sc. (Horticulture)	1 st	2	9(UIF)	-
			2 nd	2	10(UIF)	-
		Ph.D. Horticulture	1 st		4 (UIF)	-
			2 nd		4 (UIF)	-
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	M.Sc. (Ag.)	1 st yr	8	16	-
			2 nd yr	16	22	3(India-African Fellowship Programme III
		MBA	1 st Yr	-	-	-
			2 nd Yr			1 (PG scholarship scheme for SC/ ST)



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
4.	College of Fisheries, Lembucherra, Tripura	Ph. D	1 st yr	-	9	1(ICAR-SRF)
			2 nd yr	-	4	4(NF&SHE for ST) 2(ICAR-SRF)
			3 rd yr	-	3	1(NF&SHE for ST) 1(ICSSR)
			4 th yr	-	-	1(CSIR-UGC-NET) 3(NF&SHE for ST) 1(ICSSR) 1(JNF)
			5 th yr	-	-	4(NF&SHE for ST) 1(NF&SHE for SC) 1(UGC-JRF)
			6 th yr	-	-	3(NF&SHE for ST)
		B.F.Sc.	1 st yr	2	1	Nil
			2 nd yr	2	1	Nil
			3 rd yr	1	1	8 (UGC Ishan Uday Fellowship)
			4 th yr	-	1	5 (UGC Ishan Uday Fellowship)
		M.F.Sc.	1 st yr	6	26	3 (ICAR-JRF fellowship)
			2 nd yr	4	13	5 (ICAR-JRF fellowship)
		Ph.D.	1 st yr	-	4	-
			2 nd yr	-	3	National Fellowship for other Backward Classes (NF-OBC)
			3 rd yr	-	-	DST INSPIRE Fellowship

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	BVSc. & A.H.	1 st yr	3	1	-
			2 nd yr	3	1	-
			3 rd yr	1	1	-
			4 th yr	-	1	-
			5 th yr	1	1	-
		MVSc.	1 st Yr.	4	23	-
			2 nd Yr.	7	33	-
		Ph.D	1 st yr	2	2	-
			2 nd yr	2	1	-
			3 rd yr	-	-	-
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	B. Tech. (Agril. Engg.)	1 st yr	9	1Univ Merit Scholarship (UMS)	-
			2 nd yr	6	1UMS	10 through NSP 5 State fellowship 1 Ishan Uday
			3 rd yr	4	1UMS	6 Minorities Affair 2 State fellowship 3 OBC Affair 1 Post Matric
			4 th yr	6	1UMS	7 Through NSP 11 State fellowship 6 Ishan uday
		B. Tech. (Food Tech.)	1 st yr	1	1UMS	-
			2 nd yr	3	1UMS	1 Ishan Uday (UGC)
			3 rd yr	-	1UMS	1 State fellowship
			4 th yr	-	1UMS	1state fellowship 1 Ishan Uday
		M. Tech (FMPE)	1 st yr	-	-	-
			2 nd yr	2	-	-
		M. Tech (SWCE)	1 st yr	-	2 Univ. Institutional fellowship (UIF)	-
			2 nd yr	2	2 UIF	-
		M. Tech. (PFE)	1 st yr	-	2 UIF	-
			2 nd yr	1	1 UIF	-
		M. Tech. (IDE)	1 st yr	-	1 UIF	-



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
7.	College of Community Science, Tura, Meghalaya	M. Tech. (REE)	1 st yr	-	1 UIF	-
		Ph. D (FMPE)	1 st yr	-	2 UIF	-
			2 nd yr	-	-	-
			3 rd Yr	-	-	-
		Ph. D (PFE)	1 st yr	-	1 UIF	-
			2 nd yr	-	1 UIF	-
			3 rd Yr	-	-	-
		Ph. D (SWCE)	1 st yr	-	-	-
			2 nd yr	-	1 UIF	-
			3 rd Yr	-	-	-
		B.Sc. (Community Science/ Home Science)	1 st year	Nil	01	ST-09, MOBC-05
			2 nd year	Nil	01	ST-17, MOBC-02, SC-01
			3 rd year	Nil	01	ST-03 Ishan Uday-2, MOBC-02, NEC-01
			4 th year	Nil	01	MOBC-01, ST-05
		B.Sc. (Food Nutrition & Dietetics/ Nutrition & Dietetics)	1 st year	Nil	01	ST-07, MOBC-03
			2 nd year	Nil	01	ST-06, Ishan Uday-02
			3 rd year	Nil	01	ST-03, MOBC-01, Ishan Uday-02,
			4 th year	Nil	01	MOBC-02, ST-05, SC-01
		M.Sc. Community Science (Food Science & Nutrition)	2 nd year	Nil	02	-
		M.Sc. (Community Science) Extension education and Communication Management	2 nd year	Nil	01	-

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
8.	College of Veterinary Sciences and Animal Husbandry, Jalukie, Nagaland	B.V.Sc. & A.H	1 st yr	-	1 (Merit)	21 (State Govt. Scholarship)
			2 nd yr	-	1 (Merit)	21 (State Govt. Scholarship)
			3 rd yr	-	1 (Merit)	21 (State Govt. Scholarship)
			4 th yr	-	1 (Merit)	24 (State Govt. Scholarship)
			5 th yr	-	-	-
9.	College of Agriculture, Pasighat, Arunachal Pradesh	B.Sc. (Hons.) Agriculture	1 st	-	1	-
			2 nd	-	1	2(Post- Matric Scholarship)
			3 rd	-	1	2 (OBC and Post Matric Scholarship)
			4 th	-	1	-
10.	College of Agriculture, Kyrdemkulai	B.Sc.(Agri.)	1 st yr	0	1	Nil
			2 nd yr	0	1	Meghalaya state scholarship: 4 Manipur state scholarship:3 Nagaland state scholarship:2 Mizoram State scholarship:2 IshanUday Scholarship: 1
			3 rd yr	0	1	Meghalaya state scholarship: 4 Manipur state scholarship:3 Mizoram State scholarship: 1 IshanUday Scholarship: 2
			4 th yr	1	1	Manipur state scholarship:1 Nagaland state scholarship:0 Mizoram State scholarship: 2 Arunachal state scholarship:2 IshanUday Scholarship: 3
			5 th yr	NA	NA	NA



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of the College	Degree programme	Year	No. of Students receiving NTS	No. of Students receiving Univ. Merit Scholarship/ Univ. Institutional Fellowship	Any other Scholarships (Please specify)
11.	College of Horticulture, Thenzawl	B.Sc. (Hort.) Hons	1 st yr	0	1	0
			2 nd yr	0	1	10
			3 rd yr	0	1	13
			4 th yr	1	1	14
			5 th yr	-	-	-
12.	College of Horticulture, Bermiok, Sikkim	B. Sc. (Hons.) Horticulture	1 st yr		Nil	Nil
			2 nd yr		Nil	State Scholarship-01
			3 rd yr		Nil	State Scholarship-03 OBC Scholarship-02 ST Scholarship-01
			4 th yr		2 (National Talents Scholarships)	UGC Ishan Uday-02 NPS Scholarship-02 State ST Scholarship-01 NEC Scholarship-01
13.	College of Food Technology, Imphal	B.Tech(FT)	1 st yr	-	1	-
			2 nd yr	-	1	-
			3 rd yr	-	1	-
			4 th yr	1	1	-

Table. 2.1.8: National level examinations qualified during the year 2019-20: (JRF/SRF/NET/ARS/GATE/CAT/others)

Sl. No.	Name of College	Name of exam	No of Students appeared	No. of students qualified
1.	College of Agriculture, Imphal	JRF	50	Qualified: 2 Secured: 2
		SRF	47	Qualified: 1 Secured: 1
		NET	-	4
		ARS	-	5
2.	College of Horticulture & Forestry, Pasighat			Qualified: 2 Secured: 2

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Name of exam	No of Students appeared	No. of students qualified
3.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	SRF	27	Qualified: 9 Secured: 3
		NET	20	5
		ARS	15	1
		UGC NET	5	1
		CSIR NET	5	2
4.	College of Fisheries, Lembucherra, Tripura	JRF	23	Qualified: 23 Secured: 3 JRF, , 6 Institutional fellowship CIFE
		SRF	01	Qualified: 1 Secured: 1
		NET	15	10
5.	College of Veterinary Sciences & A.H., Selesih, Aizawl	JRF	25	Qualified: 25 Secured: 2
		SRF	3	Qualified: 3 Secured:
6.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	JRF	26	Qualified: 21 Secured: nil
		SRF	1	Qualified: nil Secured: nil
		NET	1	1
		ARS	1	1
		GATE	10	6
7.	College of Community Science, Tura, Meghalaya	JRF	21	<ul style="list-style-type: none"> ♦ Ms D. Bernice Ekhe secured first position in General category (ICAR-JRF) ♦ 21 students qualified for counseling ♦ 8 students availed the seats ♦ 2 students got scholarship
		NET		One of the Ex-students Miss Jelang Jelku D. Sangma who is currently pursuing Ph.D. degree in Department of Food Science and Nutrition, U.A.S. Bangalore cleared ICAR SRF & NET 2019 with All India ranking 19 and ST category Rank 1
8.	College of Agriculture, Pasighat, Arunachal Pradesh	JRF	19	Qualified: 0 With scholarship JRF Secured:19 Without Scholarship



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of College	Name of exam	No of Students appeared	No. of students qualified
9.	College of Agriculture, Kyrdekulai, Meghalaya	JRF	1	Qualified: 0 Secured:1
10.	College of Food Technology, Imphal	GATE	8	2

Table. 2.1.9: Placement of passed out students in different positions/organizations during 2019-20

Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
1.	College of Agriculture, Imphal	Heisnam Bideswori	2018	CML	-
		Ms. Sukanya Sougaijam	2019	SBI	-
2.	College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya	M. Homeshori Devi	2019	ICAR	ARS Scientist
		L. Sanajaoba Singh	2012	CAU Imphal	Asst. Prof.
		Bapsila Loitongbam	2015	CAU, Imphal	Asst. Prof.
		Samborlang K. Wanniang	2017	CAU, Imphal	Asst. Prof.
		Mayalanglambam Victoria Devi,	2017	CAU, Imphal	Asst. Prof.
		Meghna Gogoi	2017	Agriculture Dept., Assam	ADO
		Bidisha Borpatragohain	2018	Agriculture Dept., Assam	ADO
		Dhivya R.S.	2019	Tamil Nadu	AO
		Leishangthem Geetarani Devi	2016	CAU, Imphal	Asst. Prof.
		KhumukchanStina	2017	CAU, Imphal	Asst. Prof.
		DayohimiRymbai	2017		
		Monika Hajong			
		TalomDabi	2019	Arunachal Pradesh	HDO
		Premaradhya. N	2019	CAU, Imphal	Asst. Prof.
		Sapam Rajesh Kumar Singh,	2017	CAU, Imphal	Asst. Prof.
		Bhashwati Sharma	2019	Agriculture Dept., Assam	ADO
		PukhramBhumita	2010	CAU, Imphal	Asst. Prof.
		YumnamBijilaxmi	2012	RPCA, Samastipur	Asst. Prof.
		Lalrinsangpuii	2011	CAU, Imphal	Asst. Prof.
		Samir Medhi	2017	Agriculture Dept., Assam	ADO
		Ashish Rai	2018	RPCA, Samastipur	Lab technician

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
3.	College of Fisheries, Lembucherra, Tripura	Mr. Rohan Sinha	2019	Regional Rural Banks	Probationary Officer
		Mr. F. Vanlalfela	2017	Dept. of Fishery, Mizoram	Fishery Officer
		Mr. Duchen Lepcha	2017	Dept. of Fishery, Sikkim	Asst. Director
		Miss Zamuan Sangi	2017	Dept. of Mizoram	Fishery Officer
		Mr. Nitesh Gurung	2016	Dept. of Sikkim	Fishery Officer
		Miss. Bullo Angka	2016	Dept. of Arunachal Pradesh	Fishery Officer
		Miss. Alish Debbarma	2016	MAFSU, Udgir	Asst. Professor
		Miss. Neriyaang Jamoh	2016	Dept. of Arunachal Pradesh	Fishery Officer
		Miss. Naring Taming	2016	Dept. of Arunachal Pradesh	Fishery Officer
		Miss. Sribidya Waikhom	2015	KVK, Imphal	SMS
		Miss Bamchi M.Marak	2015	Dept. of Fishery, Govt. of Meghalaya	Fishery Inspector
		Miss Anusree Das	2013	Dept. of Fishery, Govt. of Assam	Fishery Officer
		Mr. Sabeswar Kachari	2013	Dept. of Fishery, Govt. of Assam	Fishery Officer
		Mr. A. Rawat	2015	ICICI Bank	Programme Manager
		Mr. S. Joy. Monsang	2015	CAU	Livestock/ Farm Manager
		Mrs. Samcheshabam Gita	2013	CAU	Livestock/ Farm Manager
		Miss. Asem Lembika Devi	2016	PDDAU	Asst. Professor
		Mr. Chakrapani Pegu	2018	Dept. of Fisheries, Govt. of Assam	Fishery Development Officer
4.	College of Veterinary Sciences & A.H., Selesih, Aizawl	Dr. Roshan Pirthawar	2018	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
		Dr. Sidhant Pradhan	2016	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Aswini Pradhan	2018	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Wangchuk Dorjee Bhutia	2017	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Preeti Rai	2018	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Davendra Manger	2018	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Kunzang Gurung	2016	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Dr. Pramada Gurung	2017	Animal Husbandry and Veterinary Department, Sikkim	Veterinary Officer
		Ryan Juvilson Kharbhih	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer
		Monicabel Basaiawmoit	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer
		Manorisha Mawrie	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer
		Lucky Julis J. Sangma	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer
		Jasrang W. Momin	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer
		Iwanrihun Nonglang	2017	Animal Husbandry and Veterinary Department, Meghalaya	Veterinary Officer

ACADEMIC & STUDENT WELFARE ACTIVITIES



Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
		Dr. Nancy Laldinpui		C. V. SC. & A. H., CAU, Selesih	Assistant Professor
		Dr. R. Mandakini Devi		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Mahesh Singh		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Ratika		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Sashitola		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Bhumapati		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Tukheshwar		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Abhishek Paul		C. V. SC. & A. H., CAU, Selesih	Assistant Professor
		Dr. Ramdas		C. V. SC. & A. H., CAU, Jaluki	Assistant Professor
		Dr. Abhijit Deka		CVSc & AH, AAU, Khanapara	Assistant Professor
		Dr. Dhrubajyoti Borpujari		CVSc & AH, AAU, Khanapara	Assistant Professor
		Dr. Jonathan Lalremsanga	2018	Animal Husbandry and Veterinary Department, Mizoram	Veterinary Officer
		Dr. M S. Dawngliana	2015	Animal Husbandry and Veterinary Department, Mizoram	Veterinary Officer
		Dr. P. L. Lalruatfela	2009	Animal Husbandry and Veterinary Department, Mizoram	Veterinary Officer
		Dr. George Martin Lalruatluanga	2018	Animal Husbandry and Veterinary Department, Mizoram	Veterinary Officer
		Dr. Lalthansanga Khiangte	2012	Animal Husbandry and Veterinary Department, Mizoram	Veterinary Officer
		Mr. Iluheibe	2019	C. V. SC. & A. H., CAU, Jaluki	Farm Manager



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
5.	College of Agricultural Engineering and Post Harvest Technology, Gangtok	Miss. Manisha Chettri	June 2019	C.G. Foods India Pvt. Ltd., Rangpo, Sikkim	Trainee Engineer (Quality Department)
6.	College of Community Science, Tura, Meghalaya	Nikita R.S.T. Sangma	2016 (BSc HSc.)	ICDS on 9.08.2019	Block Project Assistant (Poshan Abhiyaan)
		Lenindy Devi Soraisam	2016	8.3.2020 Pravabati College, MayangImphal, Manipur	Assistant Professor
		Yumkhaibam Anandi Devi	2011	3.2.2020 Higher Secondary, Dept. of Education, Manipur	Lecturer
		Longjam Priyadarshini	2011	-Do-	-Do-
		Nemnunhoi Haokip	2012	-Do-	-Do-
		N. Kapaini Basena	-do-	-Do-	-Do-
		Aduana Pamei	-do-	-Do-	-Do-
		S. Kholthianpui	2016	-Do-	-Do-
		Ranjita Takhlembam	-do-	-Do-	-Do-
		Dahun Masar	2014	29.2.2020 Under IDP project at CCSc, CAU, Tura Meghalaya	SRF
		Mikkimchi G Momin	2016	9.3.2020	Skilled Lab worker under IRP project
		Weasanga Silre N Sangma	2016	16.4. 2019 AICRP, CAU, Tura, Meghalaya	Young Professional
		Brighhty A. Sangma	2016	16.4. 2019 AICRP, CAU, Tura, Meghalaya	Young Professional
		Nikrachi Ch. Sangma	2016	16.4. 2019 AICRP, CAU, Tura, Meghalaya	Young Professional
		Lidya Ch.Momin	2004	16.4. 2019 AICRP, CAU, Tura, Meghalaya	Young Professional



Sl. No.	Name of College	Name of student	Year of passing from college	Organizations joined	Position/ joined as
		Sengrime Ch. Marak	2016	2019 Nursery school laboratory, CAU, Tura, Meghalaya	Teacher
		Stephanie K. Sangma	2016	April 2019, Tura Public school, Meghalaya	Teacher
7.	College of Agriculture, Kyrdemkulai, Meghalaya	Mr. Raja Garam	2019	ATMA staff, Arunachal Pradesh	ATMA

2.2. Library Services

All the constituent colleges of the university have well equipped libraries which provides its services to scholars, teachers and staff of the college. Library has e-resources including KOHA Online Library, IP-based academic e-journals, e-books and other e-literature, *etc.* In addition, library is receiving newsletters, annual reports, bulletins *etc.* from difference organization. The Library provides circulation and reference services. All the in-house operations of the Library are fully computerized using the networked version of the software LibSys – 4 with OPAC facilities. The Library also has access to CeRA and India Agri Stat Consortium.

Photocopying facility is also available in the Library. The detail of books, theses, journals, magazines and other reading material along with its expenditure is furnished as under:



2.2.1. COLLEGE OF AGRICULTURE, IMPHAL



Students reading at the journal and books reference section of the College library



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	20724	
ii.	Theses (Reference Section)	1454	
iii.	Journals		
	a. Indian Journals	112	
	b. International Journals	19	
	c. Total Bound Volume Journals	1193	
iv.	Popular Magazines	10	
v.	Newspaper		
	National Newspapers	Nil	
	Local Newspaper	Nil	
	Total amount spent on newspaper and magazines		6,200.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	162	191	1,52,000.00

2.2.2. COLLEGE OF FISHERIES, LEMBUCHERRA, TRIPURA



Sl. No.	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	8627	1,41,07,939.00
ii.	Theses (Reference Section)	145	
iii.	Journals	5	12,750.00
	Indian Journals	5	12,750.00
iv.	Popular Magazines	17	22,971.00
v.	Newspapers	05	11,117.00
	National Newspapers	03	8,165.00
	Local Newspapers	02	2,952.00
	Total amount spent on newspapers & magazines	22	34,088.00



2.2.3. COLLEGE OF HORTICULTURE & FORESTRY, PASIGHAT, ARUNACHAL PRADESH



Sl. No.	Library collection	Nos.	Expenditure (Rs.)
i.	Books (Total holdings) College of Horticulture and Forestry-Expenditure YEAR 20219-20	15587	1,44,794.00
ii.	Theses (Reference Section) M.Sc.(P.G. theses)	70	
iii.	Journals		
	a) Indian Journals (2019-20)	17	54,850.00
	b) International journals		
	Horticultural Science Abstracts 2013 to 2016	48	
	- Back Vol. Foreign Journals,	19 Vol.	
	- Acta- Horticulture total No.	134	
	Horticulture Science Abstract - 2006 to 2011	72	
	CAB CD Rom Data from 1972 to March 2005	48	
	Total bound Volume Journals	560	
iv.	Popular Magazines	4	
v.	Newspapers		
	National Newspapers	3	
	Local Newspapers	3	
	Total amount spent on newspapers & magazines		9,168.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	66	128	Rs. 143208.00



2.2.4. COLLEGE OF VETERINARY SCIENCES & ANIMAL HUSBANDRY, SELESIH, AIZAWL

Sl. No	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	10301	96,473.97
ii.	Theses (Reference Section)	179	
iii.	Journals		
	Indian Journals	13	41952.00
	International Journals	nil	
	Total Bound Volume Journals	354	
iv.	Popular Magazines	04	
v.	Newspapers		
	National Newspapers	04	
	Local Newspapers	nil	
	Total amount spent on newspapers & magazines		32,196.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	30	41	Rs. 96,473.97





2.2.5. COLLEGE OF AGRICULTURAL ENGINEERING & POST HARVEST TECHNOLOGY, RANIPOL, SIKKIM



Sl. No.	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	7654	83,93,214.00
ii.	Theses (Reference Section)	247	Nil
iii.	Journal		
	a) Indian Journals (Subscribed during 2019-20)	03	Nil
iv.	Popular Magazines (Subscribed during 2019-20)	08	16,865.00
v.	Newspapers (Subscribed during 2019-20)	05	12,014.00
	a) National Newspapers	03	
	b) Local Newspapers	02	
	Total amount Spent on newspapers & magazines		28,879.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
	20	96	25953.00

2.2.6. COLLEGE OF COMMUNITY SCIENCE, TURA, MEGHALAYA

Sl. No.	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings) From 2004 till date	6822	1,57,808.00
ii.	Theses	02	Nil
iii.	Journals		
	Indian Journals	08	20,120.00
	International Journals	01	3,000.00
iv.	Popular Magazines	11	
v.	Newspapers		
	National Newspapers	03	
	Local Newspapers	01	
	Total amount spent on newspapers & magazines		20, 528.00



No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1.	27	27	1,57,808.00

2.2.7. COLLEGE OF VETERINARY SCIENCES & ANIMAL HUSBANDRY, JALUKIE, NAGALAND

Sl. No	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	1130	1410335.00
ii.	Newspapers	03	03.00
	Local Newspapers	03	03.00
	Total amount spent on newspapers & magazines	08	730.00
iii	Miscellaneous	-	1200.00
	Books/Journals sent for binding during 2016-17		

No. of Academic Books purchase during 2019-20

Sl. No	Title	No. of Copies	Expenditure (Rs.)
1.	22	142	378066.60

2.2.8. COLLEGE OF POST GRADUATE STUDIES IN AGRICULTURAL SCIENCES, BARAPANI, MEGHALAYA

Sl. No.	Library Collections	Nos.	Expenditure (Rs.)
1.	Books (Total Holdings)	5410	14336.00
2.	Theses (Reference Section)	378	nil
3.	Journals		
	a. Indian Journals	20	68786.00
4.	Popular Magazines	8	
5.	Newspapers	8	
	a. National Newspapers	5	
	b. Local Newspapers	3	
	Total amount spent on newspapers and magazines		31438.00

No. of Academic Books purchased during 2019-20

	Title	No. of copies	Expenditure (Rs.)
1	25	45	66282.00



2.2.9. COLLEGE OF AGRICULTURE, PASIGHAT, ARUNACHAL PRADESH

Sl. No.	Library collection	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	15587	
	College of Horticulture and Forestry- Expenditure YEAR	-----	
	2018-19	977	
	College of Agriculture Total Holdings of Books		
ii.	Theses (Reference Section) M.Sc.(P.G. theses)	70	
iii.	Journals		
	a) Indian Journals	17	54850.00
	International journals		
	Horticultural Science Abstracts 2013 to 2016	48	
	- Back Vol. Foreign Journals,	19 Vol.	
	- Acta- Horticulture total No.	134	
	Horticulture Science Abstract - 2006 to 2011 2	72	
	CAB CD Rom Data from 1972 to March 2005	48	
	b.Total bound Volume Journals	560	
iv.	Popular Magazines	4	
v.	Newspapers		
	a) National Newspapers	3	
	b) Local Newspapers	3	
	Total amount spent on newspapers & magazines		6985.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	31	173	16,915.00

2.2.10. COLLEGE OF HORTICULTURE, BERMIOK, SIKKIM

Sl. No.	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	1522	3,19,811.00
ii.	Journals		
	Indian Journals	01	Nil

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	310	917	815264.78



2.2.11. COLLEGE OF FOOD TECHNOLOGY, IMPHAL

Sl. No	Library Collections	Nos.	Expenditure (Rs.)
i.	Books (Total holdings)	1427	3,37657.00
ii.	Popular Magazines	2	1,700.00
iii.	Newspapers		
	a) National Newspapers	2	2,520.00
	b) Local Newspapers	2	3,600.00
	Total amount spent on newspapers & magazines		7,820.00

No. of Academic Books purchased during 2019-20

Sl. No.	Titles	No. of Copies	Expenditure (Rs.)
1	44	368	3,37657.00

2.3. Computer facilities

2.3.1. College of Agriculture, Imphal

The college has well established computer laboratory with 26 computers. This laboratory provides statistical computing with statistical packages, internet facility for searching of research materials, etc. These facilities are being used by the students, researchers and faculty members.



2 Mbps Leased line Internet connection from BSNL. The College provides unlimited internet facility to the staff and students. Wi-Fi internet hotspot facility has been provided at academic building, old college building, VC camp office, guest house and Daisy Girls' hostel. The college has plan to connect with National Knowledge Network (NKN) which is a plan India high speed Internet network connecting premier academic and R&D Institutions

2.3.2. College of Horticulture & Forestry, Pasighat

The college has well furnished air-conditioned Computer Laboratory which houses 20 numbers of Desktop Computers with internet facility. The college has also has

2.3.3. College of Post Graduate Studies, Umiam, Meghalaya

The computer laboratory has 20 computers with latest statistical packages like SAS and SPSS. The lab has 20 seating capacity. White



board and over head projector have been placed for conducting classes of UG, PG and Ph D relevant to computer requirement. The Local Area Network (LAN) facility in CPGS (CAU) has been designed to centrally distribute internet, e-resources (including KOHA Online Library, IP-based academic e-journals, e-books and other e-literature, etc.) and other e-facilities from the server room to each computer, within the college campus. The CAU and CPGS Website Servers, Firewalls, Management Servers, etc., make up the IT Server Farm which are linked to the ISP BSNL via a dedicated 10 Mbps Leased Line Circuit and a backup 2 Mbps line. All the computers in various schools, sections and hostels are linked to the server room, via wired and/or wireless connections.

2.3.4. College of Fisheries, Lembucherra, Tripura

A computer laboratory with Internet (16 Mbps) facility is set up to cater the needs of the students/faculty/research staffs of the college. Presently 15 numbers of computers are provided to facilitate the computation/analytical need of the students for their practical and research purposes. Statistical Package for Social Sciences (SPSS-22) is recently procured (Total 10 number of users) and is installed in two numbers of computers in the lab. LAN Topology and Connectivity: Mesh Topology and 16 Mbps leased line connection



from BSNL for the entire college. The college initiated its biometric attendance system on 19th July, 2018 with an aim to improvise the documentation of attendance online. Online procurement system has been started through government e-procurement/ GEM portal. Online financial management system PFMS has been started.

2.3.5. College of Veterinary Science & Animal Husbandry, Selesih, Aizawl, Mizoram

The college provides the computing facilities to the teaching staff and research students. It also provides internet browsing to all teaching staff, administrative staff and students. There are nearly 150+ users which are using internet facilities and computing facilities. There are two Computer Labs which are well equipped with internet facilities to all the 27 PCs. This centre is being used for imparting teaching computer classes to the first year students as per VCI norm. This facility is also accessible to all the students, faculty and staff of the college. In addition, it is extending its service in maintaining the Bio-informatics Centre of the college. It provides services to the host faculty and other neighboring institutions of higher education in terms of internet connectivity, retrieval of online and offline biological databases, bioinformatics software and tools for facilitating biological research particularly in the area of sequence and





phylogenetic analysis, database development, molecular modeling and drug design, etc. It also periodically organizes hands-on trainings on various aspects of application of bioinformatics tools and molecular techniques in biological research. It is also looking after DeLCON, CERA, e-journal consortium, DBT in the college. The College supports a wide high speed fiber optic and wireless network bridge that connects administrative building, all the departments, library, hostels, residential quarters and other central facilities to the Computer Centre. The College procured 10 Mbs with uploading speed of 1:1 lease line connection from Bharat Sanchar Nigam Limited (BSNL), Aizawl, Mizoram for internet connectivity. Users can use the computing resources of Computer Center from their offices academics unit, hostels and residence. Computer Centre has a power back up through a 10 KVA UPS and a 300 KVA generator set. E-mail login is provided to all faculty and staff members for accessing college mail service.

2.3.6. College of Community Science, Tura, Meghalaya

The college has internet connection (leased line) provided by BSNL with a speed of 2 mbps. The IT Lab has 15 computers for students' practical classes and for their other requirements. The classrooms are well-equipped with a computer and LCD projector



each for teaching and students' presentation. Besides these, all the departments have computers, printers and scanning facilities. All the departments and sections will soon be connected through BSNL optic fibre with 10 Mbps leased line connections.

2.3.7. College of Agricultural Engineering & PHT, Ranipool, Sikkim

Computer Centre provides the computing facilities to the college teaching staff and Research students. It also provides internet browsing to all teaching staff, administrative staff and all students of the college. There are nearly 300+ users which are using internet facilities and computing facilities. Computer Centre supports a wide 1000 Mbps fiber optic network that connects all the academic units, hostels, library, residence and other central facilities to the Computer Centre. Users can use the computing resources of Computer Center from their offices, academics unit, hostels and residence. Login is provided to all the students, faculty and staff members for browsing internet. Wi-Fi Facilities are provided to Boys Hostel, Girls Hostel, ATIC Building, Guest House, VC Camp and Dean's Residence. LAN is provided through optical fiber connection in North Academic Building, South Academic Building, New Girls Hostel, Auditorium, Residential Quarter, Medical Unit and Farmers Producer Organization Building. The network security is





provided through UTM/Firewall. The Computer Laboratory is equipped with 20 computers with the facilities of LAN connection to each and every computer. Latest software's of different courses has been installed as per requirement of the concern subject. It is having a back-up of 10 KVA UPS uninterrupted power supply facility. From time to time it's giving a practical training session to students and others staffs for new softwares and login facilities to certain sites. Computer Center maintains college website (www.caephtcau.ac.in) hosted at NIC cloud. The College website has dynamic web pages and having Security Audit Clearance certificate from CERT-IN. Its updated by this Centre from time to time.

2.4. Students' Welfare & Extra Co-Curricular Activities

2.4.1. Hostel facilities

The hostels are located inside the college campuses that ensure close proximity and connectivity. The academic programmes of the university are purely residential and co-education except College of Home Science, Tura, Meghalaya where only girl students are admitted. Hostels are well furnished with telephone, TV, computers with free wi-fi facilities, kitchens, indoor games (TT board, carom, chess etc.), gymnasium, newspapers, first aid box & medical facility, inverter and



Boys Hostel of College of Agriculture, Imphal

generator systems and other basic facilities. There are separate hostels for boys and girls as well as for under graduate, post graduate and doctoral research scholar also. Wardens monitored the hostels 24x7 hours pattern. Student clubs run their mess in their respective hostels. 24 hours security is provided by security guards in the hostel.

2.4.2. Canteen facilities

All the constituent colleges are having well organized hygienic canteens located within the campus. The facility is available for the students and staff of the college at the nominal rate. A committee monitors the hygienic and nutritional food prepared in the canteen.

2.4.3. Medical Facilities

Each constituent college has well equipped medical unit for regular health check-up of staff and students. These 24X7 hours medical facilities are available in all campuses with well qualified resident medical officers assisted by compounder cum dresser, trained nurses and attendants. Ambulance services are also provided for the students and staffs for emergencies and effective health care management. The centre is also the place for conducting students' counseling as and when required under the guidance of the clinical psychologist.



Gymnasium in Boys hostel



Canteen at College of Agriculture, Imphal



Medical Cell

2.4.4. Placement cell

The University has placement cell in all campuses which facilitates placement for the students in different agri allied sectors including banks, private establishments, NGO's, industry etc. Pass out students of the university also qualified for UPSC / State Civil Services examination and many of them are working in the ICAR, State Agricultural Universities, Technical Institutes of Higher Education, Krishi Vigyan Kendras, and Research Institutes of high repute etc. Many students are doing Doctoral Degree Research in International Research Institutes as well as in the Universities in India and abroad.

2.4.5. Extra-Curricular Activities

The university promotes co-curricular activities and encourages students participation in all aspects of campus life. All constituent colleges of the university have well managed games and sports infrastructure including all season indoor facilities, auditoriums and gymnasiums. A separate cell for cocurricular activities was opened in the Directorate of Instruction w.e.f. 1st November, 2013 to co-ordinate and improve various Games and Sports & Cultural activities of the University. To inculcate the sense of competitiveness among the students, the constituent colleges

organized co-curricular activities in the form of annual College Week, Sports & Games and Social/Cultural meets. To provide a common platform for the students of constituent colleges located in different states of the region, the university organises annual InterCollegiate Games & Sports Meet and Youth Festivals on shifting venue basis. The university shines in the All India ICAR Inter Agricultural Universities Games and Sports Meet (s), All India University Tournaments and Championships as well as All India University Youth Festivals and ICAR Youth Festivals etc. All constituent colleges of the university organizes Swachh Bharat Abhiyaan programme to create awareness among the CAU community, the sense of sanitation, hygiene and healthy living in tune with clean environment. It also organises International Day of Yoga to inculcate the students, a sense of nationalism through different community services. Further, it also has National Social Service (NSS) activities monitored by NSS cells in all the constituent colleges and organises programmes like blood donation, tree plantation, water harvesting, sanitation, health and hygiene activities, eco-environmental conservation and preservation etc. It organises animal health camps, field visits, seminars on stress management, communal harmony weeks with poster campaigns and other community



Opening ceremony of Annual College Week

service related activities on regular intervals.

College Week: All the constituent colleges organise the Annual College Week in which the students within the college take part in Games and Sports events (both indoor and outdoor) and in literary and cultural events like fine arts, theatre, music and dance etc. Based on the performance at college level, the students are selected and prepared for participation in the Inter-Collegiate Sports and Games and Inter-Collegiate Youth Festival held annually at the university level.

6th Inter-Collegiate Youth Festival Cum Games & Sports Meet 2019-20

The 6th Inter Collegiate Youth Festival cum Games & Sports Meet 2019-20 was held at the College of Agriculture, CAU, Imphal from 18th to 21st, November, 2019. The festival was organized centrally by the Directorate of Instruction, CAU, Imphal, in association with the local organizing committee of College of Agriculture, Imphal, Manipur. Dr. Najma Heptula, Honourable, the Governor of Manipur graced the inaugural programme of the festival as Chief Guest and Prof. Premjit Singh, Vice Chancellor, Central Agricultural University, Imphal as president. Around 550 plus participants participated in the event in

different capacities. College of Agriculture, Imphal, Manipur, emerged overall champion of the 6th Inter Collegiate Youth Festival cum Games & Sports Meet 2019-20 while College of Horticulture & Forestry, Pasighat Arunachal Pradesh collected the overall runners up trophy. The programme concluded on 21st November 2019 with Shri. L. Jayenta Kumar Singh, Minister of Law, Arts & Culture and Health, Government of Manipur as Chief Guest, in the valedictory function.





Some glimpses of the 5th Inter-Collegiate Youth Festival Cum Games & Sports Meet

20th All India Inter-Agricultural Universities Sports and Games Meet 2019-20

The 20th All India Inter Agricultural Universities Sports & Games Meet was organised by Sri Venkateswara Veterinary University, Tirupati during during 1st -5th March



Mr. B. Keyeang, 3rd position winner in High Jump



Ms. Anu Lakandri and Ms. Lalhrualtuangi 2nd position winner Badminton Doubles (W)

2020. The CAU team won 3rd position in High Jump (M) and 2nd Position in Badminton doubles (W) events.

20th All India Agri-Unifest

20th All India Inter Agricultural Universities Youth Festival 2020 was held at Indira Gandhi Krishi Viswavidyalaya, Raipur from February 08 to February 12, 2020 and the University could manage 4th position in the patriotic song competition



CAU Participants at 20th Agriunifest 2020, IGKV, Raipur

5th Students Advisory Council : The 5th Students Advisory Council Meeting of the Central Agricultural University, Imphal was held on 20th November 2019 in the conference hall of College of Agriculture, CAU, Imphal with Prof. M. Premjit Singh, Honble Vice Chancellor, CAU, Imphal Dr. S. Basanta Singh, Director of Instruction CAU, Imphal and Prof. Ph. Ranjit Sharma as Patron, President and Member Secretary, in the advisory chairs and 26 student representatives coming from 13 constituent colleges college under CAU, Imphal. The 26 student representatives i.e 2/2 as President and Member each from every college under CAU, Imphal participated in the meeting. In that Meeting, action taken report of the 4th SAC, CAU, Imphal was tabled and numerous agenda related to students welfare were discuss at length for finding of necessary solution.



Swachh Bharat Abhiyaan: The Central Agricultural University, Imphal across its constituent colleges and KVK's conducted cleanliness drive under the Swachh Bharat Abhiyaan programme. Hon'ble Vice Chancellor, Prof. M. Premjit Singh, Directors, Deans, Officers, Senior Scientist and Heads of KVKs, teaching and non-teaching staff members and students of the university took active participation in cleaning and planting of saplings at the University headquarters and its constituent colleges and KVKs.



Students cleaning campus at CAEPHT, Sikkim

International Day of Yoga: International day of yoga was celebrated in the constituent colleges of CAU, Imphal on 21st June, 2019 with great enthusiasm and vigour. The practise of yoga helps to create overall harmony of body and mind thus providing mental and physical strength and enables to lead a healthy life.



Celebration of International Day of Yoga

Celebration of 150th Birth Anniversary Father of Nation:

In commemoration of the 150th birth anniversary of Father of Nation, Mahatma Gandhi, the constituent colleges of the



Celebration of 150th birth anniversary of Father of Nation at different constituent colleges of the University



University organised essay writing, Quiz and painting competitions. “Swachh Campus” drive was also initiated in the constituent colleges with the objective to create clean, safe, healthy, plastic free and green environment campus.

Vigilance Awareness Week

As per the directive of Union Govt., Vigilance awareness week was observed during 31st October 2019 to encourage all



faculties, staff and students to collectively participate in the prevention of corruption and fight against it and to raise public awareness regarding the existence, causes and gravity of corruption and the threat posed by it. To mark the programme, an essay writing competition for students on the theme “Integrity—a Way of Life” was organized in constituent colleges of the University. Further, the faculty/staff members of the university headquarters and constituent colleges undertook mass pledge led by the Hon’ble Vice Chancellor and e-pledge as a mark of support to the initiative.

Celebration of Hindi Diwas: The Hindi Diwas was celebrated in the constituent colleges on 7th to 13th September, 2019, where different events were organized viz. speech, song, poem and essay competition. The staff and students took active participation in the event.



SNAPSHOTS OF STUDENTS ACTIVITIES



Teachers day celebration at CoA, Imphal



World Environment Day celebrations at College of Fisheries, Tripura



Mock exercises for combating Earthquake, CAEPHT, Sikkim



All India Study Tour by College of Horticulture, Birmiook, Sikkim



Faculty members and students pay tribute to the martyrs of Pulwama terror attack



Development of Garden at CAEPHT campus by NSS volunteers



Orientation Programme held at CoA, Pasighat, Arunachal Pradesh



Women Volleyball match at CPGSAS, Barapani, Meghalaya



Walkathon by students of College of Horticulture & Forestry, Pasighat, Arunachal Pradesh



Blood Donation Camp by students of CoHF, Pasighat, Arunachal Pradesh



Annual College Week celebration at CoVSc& AH, Aizawl, Mizoram



One day career orientation workshop held at College of Agriculture, Iroiseмба, Imphal



Fresher meet celebration, CoFT, Lamphelpat, Imphal



Celebration of International Women's Day at CoCSc, Tura, Meghalaya



Culture programme at CPGSAS, Barapani Meghalaya



RESEARCH AND DEVELOPMENT

3



3.I. Status of university and externally funded research projects (2019-20)

During the year 2019-20, University carried out 65 (sixty five) Intramural Research Projects

(IRPs) under University Funded Research Programmes and 99 (ninety nine) Externally Funded Research Projects. The details of the research projects are given below:

I. University Funded Intramural Research Projects (IRP)

Sl. No.	Directorate/College	Year (2019-20)			Total
		Completed	On going	Newly sanctioned during (2019-20)	
1.	College of Agriculture, CAU, Imphal, Manipur	0	16	0	16
2.	College of Veterinary Sciences & AH, CAU, Selesih, Aizawl, Mizoram	3	9	2	14
3.	College of Fisheries, CAU, Lembucherra, Tripura	0	2	0	2
4.	College of Horticulture & Forestry, CAU, Pasighat, Arunachal Pradesh	1	5	1	7
5.	College of Community Science, CAU, Tura, Meghalaya	0	4	2	6
6.	College of Agricultural Engineering & PHT, CAU, Gangtok, Sikkim	0	9	1	10
7.	College of PostGraduate Studies in Agricultural Sciences, CAU, Umiam, Meghalaya	1	2	1	4
8.	College of Agriculture, CAU, Pasighat, Arunachal Pradesh	0	0	0	0
9.	College of Agriculture, CAU, Krydemkulai, Meghalaya	0	0	0	0
10.	College of Horticulture, CAU, Bermiok, Sikkim	0	0	0	0
11.	College of Food Technology, CAU, Imphal, Manipur	0	0	0	0
12.	College of Horticulture, CAU, Thenzawl, Mizoram	0	0	0	0
13.	College of Veterinary Sciences & Animal Husbandry, CAU, Jalukie, Nagaland	0	0	0	0
Total		7	51	7	65

II. Externally Funded Research Projects (EFRP)

Sl. No.	Name of the College	Year (2019-20)			Total
		Completed	On going	Newly sanctioned during (2019-20)	
1.	Directorate of Research, CAU, Imphal	0	16	0	16
2.	College of Agriculture, CAU, Imphal, Manipur	1	10	1	12



Sl. No.	Name of the College	Year (2019-20)			Total
		Completed	On going	Newly sanctioned during (2019-20)	
3.	College of Veterinary Sciences & AH, CAU, Selesih, Aizawl, Mizoram	3	9	2	14
4.	College of Fisheries, CAU, Lembucherra, Tripura	2	5	2	9
5.	College of Horticulture & Forestry, CAU, Pasighat, Arunachal Pradesh	4	18	2	24
6.	College of Community Science, CAU, Tura, Meghalaya	0	2	0	2
7.	College of Agricultural Engineering & PHT, CAU, Gangtok, Sikkim	1	7	1	9
8.	College of Post-Graduate Studies, CAU, Umiam, Meghalaya	0	10	0	10
9.	College of Agriculture, CAU, Pasighat, Arunachal Pradesh	0	0	0	0
10.	College of Agriculture, CAU, Krydemkulai, Meghalaya	0	2	0	2
11.	College of Horticulture, CAU, Bermiok, Sikkim	0	0	0	0
12.	College of Food Technology, CAU, Imphal, Manipur	0	0	0	0
13.	College of Horticulture, CAU, Thenzawl, Mizoram	0	0	0	0
14.	College of Veterinary Sciences & Animal Husbandry, CAU, Jalukie, Nagaland	0	1	0	1
Total		11	80	8	99

3.2. Agricultural Technologies

As an outcome of these internal and external funded research endeavours, the university was successful in developing location specific deliverable technologies/practices, recommendations and research findings on agriculture and allied disciplines for the farmers and agri-entrepreneurs of NEH Region. The salient research achievements of the university are highlighted below:

3.2.1. Agriculture

1. Crop Improvement

i) Four new varieties of rice CAU-R1

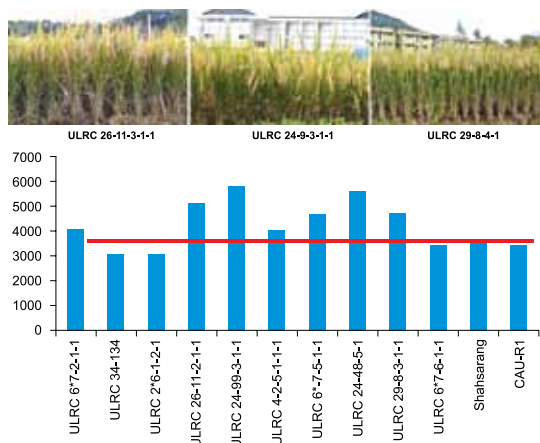
(Tamphaphou) vide gazette notification No. 1379(E), dated 27.04.2018, CAU-R2 (Tomthinphou) vide gazette notification No. 99(E), dated 06.01.2020, CAU-R3 (Mangalphou) vide gazette notification No. 99(E), dated 06.01.2020 and CAU-R4 (Enotphou) vide gazette notification No. 99(E), dated 06.01.2020 were released.

ii) Identified P-efficient genotypes of lentil L-4602, L-7903, PDL-1, PAL-8 based on field performance.

iii) Two improved lines of rice, CAUS 103 and CAUS 107 were promoted to AVT 1 AICRP trials.

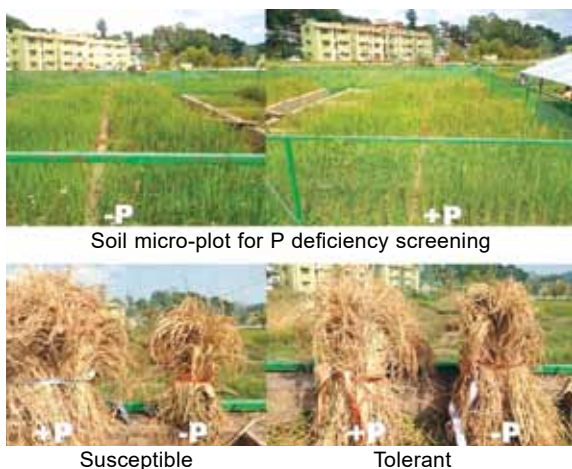


- iv) Three new lines of rice (ULRC24-9-3-1-1, ULRC26-11-3-1-1, ULRC 29-8-4-1) were nominated for IVT AICRP trials for medium duration hill ecosystems.



Evaluation of improved high yielding lines were under station trials

- v) Two new lines of mustard CAU-RM 5-1 & CAU-RM 4-1 and two new lines of toria CAU- Toria 1-1 & CAU- Toria 2 were submitted for IVT AICRP trials for rainfed conditions.
- vi) Developed soil microplots for screening of rice and other crops under low P and optimum P. Identified Chromosome #2 of rice which is important for higher yield in lowland acidic soil.



- vii) Recommended two open pollinated variety of maize viz. RCM1-61 and RCM1-76 suitable for NEH region.

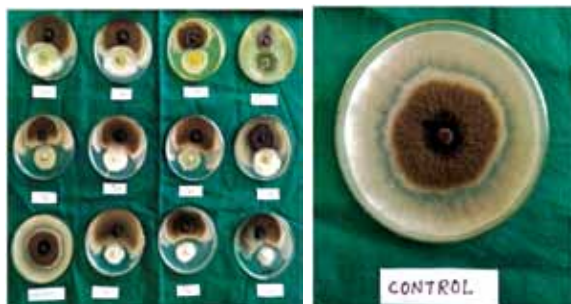
2. Crop Production

- i) Recommended the application of post emergence herbicides, Topramazone 25.2 g/ha+Atrazine 750 g/ha at 15 days after sowing for efficient control of weeds in maize cultivation under rainfed conditions of NEH region.
- ii) For sustainable livelihood of *Jhum* farmers, the most viable and profitable system of land utilization would be growing soybean crop in between the rows of pineapple (both across the slope of the field) and use of weed control method of applying Pendimethalin 30 EC @1.00 kg a.i./ha (PRE) *fb* Quizalofop ethyl @50g a.i./ha (POE).
- iii) Successfully identified eight local paddy cultivars (four valley cultivars and four upland cultivars) and four local cultivars of maize along with two local cultivars of colocasia as alternative crops. The identified paddy cultivars, along with the alternative crops - maize and colocasia, will be further evaluated and assessed following which, development of the best suited technology could be expected.
- iv) Successfully gathered oral history data on traditional knowledge on farming techniques. The oral history further needs to be evaluated and triangulated so as to further determine their relevance in present scenario.

3. Crop Protection

- i) ***In vitro* efficacy of biocontrol agents for control of tree bean disease**
Antagonistic effects of Eleven (11) naturally

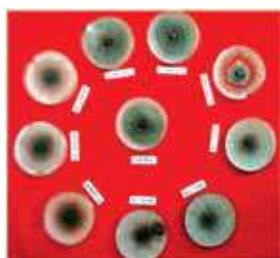
isolated *Trichoderma spp.* were tested by using dual culture techniques for control of *Lasiodiplodiatheobromae* in tree bean. The percent inhibition of mycelia growth of *L. theobromaewas* effectively reduced during the study.



In vitro efficacy of different BCAs on radial growth of *L. theobromae*

In vitro evaluation of Botanicals

Six different plants extract namely onion, turmeric, ginger, tulsi, marigold and garlic were tested for their antifungal potential against the pathogen by using poisoned food technique. among the six-plant extract, Garlic at 5%, 10% and 15% were found to be very effective with the highest per cent inhibition of mycelia growth 54.44 %, 61.11% and 77.77% of

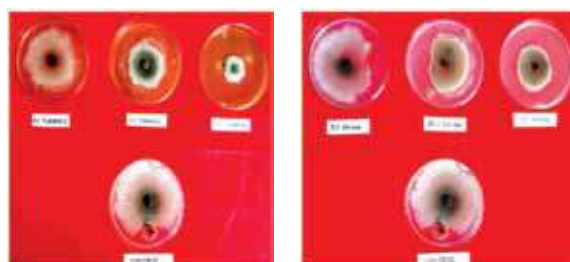


Efficacy of Ginger, Marigold and Tulsi at different concentrations



Efficacy of Garlic at different concentrations

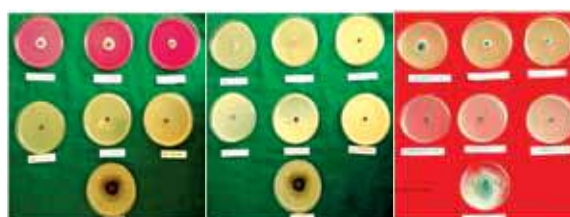
L. theobromae 1, followed by turmeric extract of 28.14%, 50.00% and 61.11 per cent inhibition of mycelia growth at all the three concentrations.



Efficacy of Onion and turmeric at different concentrations on radial growth of *L. theobromae*

In vitro evaluation of fungicides

Eight different fungicides were tested for their efficacy on radial growth of *L. theobromae* under *invitro* condition at different concentrations by poisoned food technique. The per cent inhibition of radial growth of *L. theobromae* 1 was found highest (94.44%) in five fungicides viz., Captan, Antracol, Carbendazim, Roko and Copper oxychloride at all three concentrations tested (0.05%, 0.1% and 0.2%). It was found that these five fungicides were significantly superior to rest of the fungicides tested.



In vitro efficacy of different fungicides on radial growth of *L. theobromae*

- ii) Manipur, in spite of having many beekeepers the honey production capacity is very less as compared to other States due to lack of scientific beekeeping methods. Almost all the beekeepers practices traditional beekeeping methods using indigenous equipments. Based on the above conclusions, the following

are the recommendations for scientific beekeeping:

- a. Beekeepers should be made aware regarding proper harvesting method which avoid destruction of the colony and absconding.
 - b. Encourage the bee keepers to plant more trees and to make them aware about devastating effects of deforestation.
 - c. Beekeepers should be made aware about the harmful effects of honeybees' pest / predators, bee diseases, use of agrochemicals, poisonous plants affecting honey bees and their control measures.
- iii) Identified 2 species of molluscs for captive rearing. These species are nutritious and also have high market value; popularization and production of these species are quite promising. Documentation of 41 species of edible insects completed. Nutritional profiling of 9 species evaluated for identifying use profile.
- iv) Ex-situ conserved strains of lac insect collected from five states of North Eastern state viz. Nagaland, Arunachal Pradesh, Mizoram, Sikkim and Manipur. Observed lac insect infesting *Bombaxceiba* tree in Imphal West district of Manipur. Established host plants gene bank. Established host plants intercropping with vegetables field. Constructed a pucca regional lac insect germplasm centre. New host of *Flemingia sp.* reported, grown in research field.

3.2.2. Horticulture

- i) The turmeric variety NDH-98 was performed well under Pasighatcentre. Its curcumin content is in the range of 5.2 to



Sprouting rhizomes of turmeric var. NDH-98



Turmeric var. NDH-98 at farmer's field

6.0%. It is resistant to pest and diseases. Hence, the turmeric variety NDH-98 is recommended for higher production and popularization in Arunachal Pradesh.

- ii) Standardized CTAB and Doyle & Doyle methods for DNA extraction protocol for carambola.
- iii) Developed nectar/RTS processed product preparation with chemical preservative for carambola.
- iv) IC number of 17 genotypes of citrus maintained in the field germplasm of AICRP on Fruit, Pasighat Centre, Pasighat, Arunachal Pradesh has been received.
- v) Recommended varieties of tropical Orchids

- a) **Pot plant:** *Calanthe sylvatica*,
Acamperigida, *Acampe* spp.,
Coelogyneviscosa, *Coelogyne*
corymbosa, *Epidendrum secundum*.
- b) **Hanging pots:** *Phalaenopsis*
deliciosa, *Pinaliaspicata*,
Thuniabracteata,

Dendrobium sulcatum, *Pholidota*
imbricate, *Erialasiopetala*, *E.*
tomentosa.

- c) **Landscape use:** *Dendrobium*
parishii, *Dendrobium*
devonianum.

Pot plant tropical orchid



Acamperigida



Coelogyneviscosa



Coelogyne corymbosa

Hanging Pot plant tropical orchid



Phalaenopsis deliciosa



Pinaliaspicata



Thuniabracteata

Landscape use Pot plant tropical orchid



Dendrobium parishii



Dendrobium devonianum

3.2.3. Veterinary Sciences& Animal Husbandry

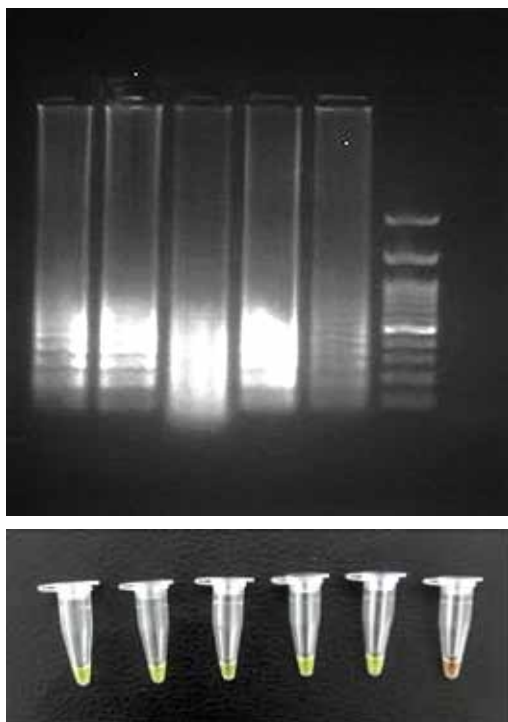
i) **Development of novel isothermal Polymerase Spiral Reaction (PSR) for diagnosis of enteropathogenic *Escherichiacoli* (EPEC) associated with piglet diarrhoea**

Diarrhoeagenic *Escherichiacoli* (DEC) including enteropathogenic *E. coli* (EPEC) and enterohaemorrhagic *E. coli* (EHEC) is associated with acute diarrhoea in children and young animals. The virulence is associated with attaching and effacing lesions encoded by *eaeA* gene is considered as marker for EPEC and EHEC. Diagnosis of EPEC and/or EHEC is traditionally done by conventional PCR assay, which sometimes provide false negative result and also costly as well as difficult to perform in the field level. A novel isothermal polymerase spiral reaction (PSR) is developed for detection of *eaeA* gene in *E. coli* isolated from diarrhoeic pig, cattle, sheep and goat. Samples were

collected from diarrhoeic animals for isolation and identification of the *E. coli. eaeA* gene was detected by conventional PCR and PSR assays. A total of 39 isolates were recorded positive for *eaeA* gene by conventional PCR, while 52 isolates were recorded positive for *eaeA* gene by PSR assay. PSR technique was 100 times more sensitive than conventional PCR. PSR techniques was found to be more sensitive, specific, cost effective, user friendly and reliable technique over conventional PCR. The PSR technique developed in the present study can be applied for screening of the clinical isolates for confirmation of EPEC and/or EHEC.

ii) **Development of loop mediated isothermal amplification (LAMP) assay for diagnosis of *eaeA* gene in *Escherichiacoli* associated with piglet diarrhoea**

Laboratory diagnosis enteropathogenic *Escherichia coli* (EPEC) associated enteric infections are carried out by traditional bacteriological techniques and by conventional PCR assay. Those techniques often provide false negative result and at the same time are costly as well as difficult to perform in the field level. The loop-mediated isothermal amplification (LAMP) is a new generation DNA amplification assay is developed for detection of *eaeA* gene in *E. coli* isolated from diarrhoeic piglets. Samples were collected from diarrhoeic piglets for isolation and identification of the *E. coli. eaeA* gene was detected by conventional PCR and LAMP assays. A total of 37 (24.67%) isolates were recorded positive for *eaeA* gene by conventional PCR, while 49 (32.67%) isolates were recorded positive for *eaeA* gene by LAMP assay. The LAMP assay was 10 times more sensitive than conventional PCR. LAMP assay was found to be more sensitive, specific, cost effective, user friendly and reliable technique over conventional PCR, which can be





applied for screening of the clinical isolates for confirmation of EPEC and/or EHEC.

- iii) Developed an *in ovo* aflatoxin tolerance induction technology. Results so far are promising and have given the proof of concept; but it may take around two years to get the technology firmly established after breeding at least two more generations applying the technology.
- iv) Developed a cocktail vaccine for automated *in ovo* vaccination in duck embryos at hatchery against aflatoxicosis and duck plague adjuvanted with edible immunomodulators from natural sources (organic).
- v) A high aflatoxin yielding *Aspergillus flavus* strain is isolated and available for economical toxin production to use in vaccine preparation against aflatoxins.
- vi) A novel isothermal polymerase spiral reaction (PSR) is developed for detection of *eaeA* gene in *E. coli* isolated from diarrhoeic pig, cattle, sheep and goat. The technique is useful to diagnose the disease at field level without any sophisticated equipments.
- vii) Developed loop mediated isothermal amplification (LAMP) assay for diagnosis piglet diarrhoea associated with enteropathogenic *Escherichiacoli* (EPEC).
- viii) Developed a mixture of Neem oil, Lemon oil and Garlic oil mixed with silver nano particles and Tween 80 for effective treatment option against canine demodicosis, when applied topically for 3 occasions (day 0, 7 and 15 days).
- ix) Characterization work of "Meitei Nganu" has been completed. Breed descriptor of Meitei Nganu developed.
- x) Characterization work of Oak Amubi

(Manipuri Black Pigs) has been completed. Breed descriptor of "Oak Amubi" developed.

3.2.4. Fisheries

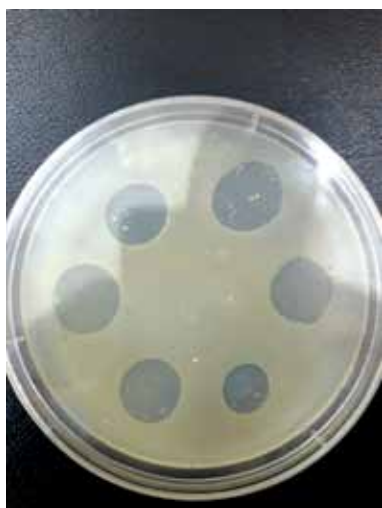
- i) Standardized technology for rearing of pengba (*Osteobramabelangeri*) with pabda (*Ompokbimaculatus*). Incorporation of pengba with pabda improves fish yield without reducing growth of pabda. Optimum stocking density of pengba is 0.4-0.6 fish m⁻² in co-culture with pabda as dominant species. Grow-out diet with protein content of 35% and lipid 6% is close to optimum in grow-out diet of pabda.
- ii) Eight *Aeromonas* isolates have been identified from diseased fish and natural aquaculture environment. The species have been confirmed by 16S RNA sequencing. The species were *A. hydrophila* (4 no. - MK907589, MK907590, MK907591, MK907595), *A. caviae* (MK907593), *A. media* (MK907592), *A. veronii* (2 no. - MK907586, MK907587).

Probiotic potential strain P1- *Bacillus amyloliquefaciens*, P2- *B. licheniformis*, P3- *B. subtilis*, P4- *Pseudomonas entomophila*, P5- *P. mosselii*, P7- *B. paralicheniformis*, P8- *B. altitudinis*, P9- *B. subtilis* were isolated from the digestive tract of a freshwater teleost rohu (*Labeorohita*), was identified using 16S rRNA gene sequence analysis. The probiotic potential of the strain was evaluated using an array of *in vitro* tests viz. adhesion properties, auto and co-aggregation capacity, cell surface hydrophobicity, haemolytic activity, extracellular enzymes activity (proteinase, amylase, lipase, and cellulose) along with safety and genetic analyses.



Based on these test, COFCAU_P1 were selected for further analysis. The isolate showed potent antimicrobial response against several fish pathogenic bacteria, survived a wide pH range (2–9), and was resistant to high bile salt concentrations (up to 10%). With regard to the *in vitro* adhesion properties, the strain showed significantly higher *in vitro* adhesion to mucus, auto and co-aggregation capacity, and cell surface hydrophobicity. The strain

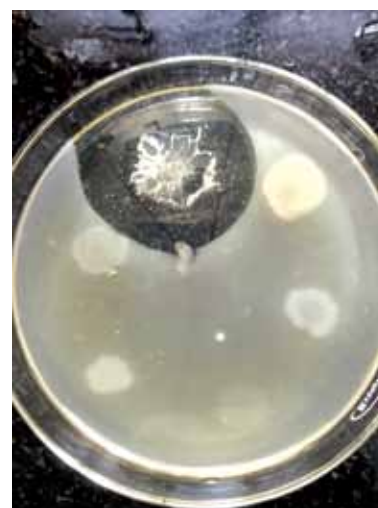
was non-haemolytic, able to produce extracellular enzymes *viz.* proteinase, amylase, lipase, and cellulase, and showed significant free radical scavenging activity. A challenge study in rohu revealed the strain COFCAU_P1 as non-pathogenic. In conclusion, the *in vitro* and genetic approaches enabled the identification of a potential probiotic from autochthonous source with a potential of its utilization in the aquaculture industry.



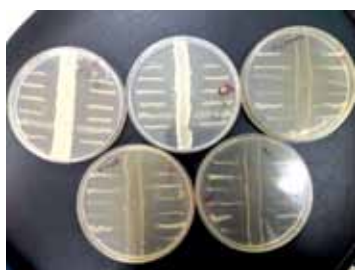
Zone of inhibition by bacteriophage



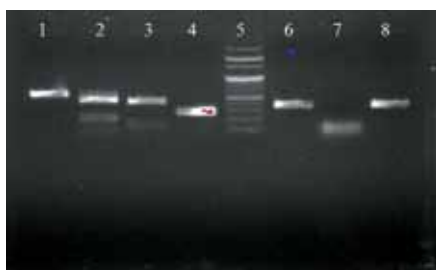
Plaque formed by bacteriophage



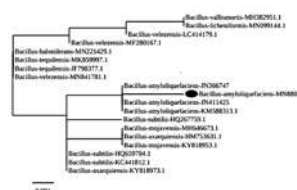
Inhibition test for potential probiotic bacteria in lawn



Inhibition test by cross streaking with indicator bacteria



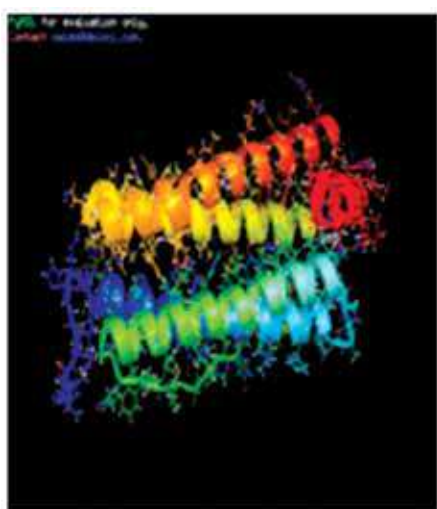
Polymerase chain reaction screening for probiotic associated markers of *Bacillus amyloliquefaciens* COFCAU_P1



Phylogenetic tree of *Bacillus amyloliquefaciens* COFCAU_P1



- iii) Lipid requirement of *O. bimaculatus* brooder is 50g kg⁻¹ diet as indicated by better fertilization rate, GSI, Volume of the egg, and absolute fecundity. This will be helpful in formulating the cost-effective lipid incorporated diets for the better breeding performance of Indian Butter catfish, *O. bimaculatus*.



- iv) **Ferritin heavy chain subunit in freshwater fishes:** Ferritins are ubiquitous and well-characterized iron storage and detoxification proteins. They typically consist of 24 similar subunits of two types, H and L. The H chain subunit contains a ferroxidase center that can convert ferrous to ferric iron. The Physicochemical and Structural analysis of protein reveals that ferritin heavy chain protein in freshwater fishes somewhat acidic (pH: 5.78-5.15), hydrophilic (GRAVY: -0.860-0.731) and unstable (Instability index: 53.1-38.05) and highly conserved. It will help in the study of iron detoxification and storage. Data generated will provide a benchmark for the bioinformatics studies of the function and evolution of protein in most of the fish species.

3.2.5. Community Science

- i) Developed cashew nut peeler knife, sit and stand stool and improved work station to promote occupational health and safety



Cashew nut peeler



Sit and stand tool



Improved Work station



Sit and stand tool for shelling



Arecanut hand spun yarn and Union Handloom Fabric



of women workers involve in cashew nut processing industry of North East Region.

- ii) Developed technology for agro waste Arecanut husk fiber for fabrication into

woven, nonwoven and composites structures. Assessment for their physical and mechanical properties is also completed.



Backpack



Waist coat



Diversified products of Arecanut fiber



Sanitary napkins



Arecanut Nonwoven material



Arecanut nursery grow bag from Composite sheet

- iii) Standardized eco-friendly antimicrobial finish herbal dyeing from Areca nut extract. The eco-treated herbal clothing or gadgets having antimicrobial properties can be used for variegated functional end

uses like in medical textiles. Therefore wound healing cotton bandages can be treated with this antimicrobial finish extract for cure of skin related diseases.



Areca nut dye powder



Areca nut herbal extract



Antimicrobial assessment of Arecanut herbal extract



- iv) Developed Pupa Extractor for extracting pupa from cocoon of silk worm to reduce drudgery for farm women.



Pupa Extractor

3.2.6. Agricultural Engineering

- i) Developed gravity fed micro irrigation system (MIS) for terraced topography which is useful for enhancing the WUE and the productivity of the vegetable crops in the North East region.

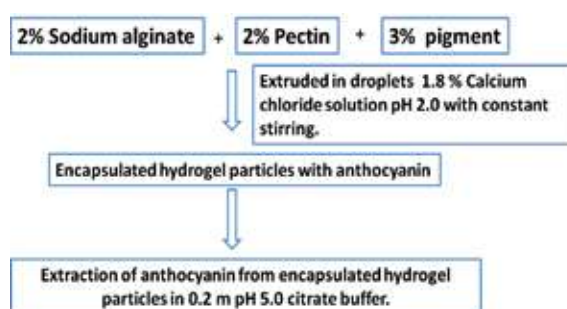


- ii) Developed roof water harvesting system of a polyhouse for vegetable production. Annual rainwater potential is sufficient to grow at least three vegetable crops within the polyhouse with gravity drip irrigation system.



Rainwater harvesting system for the low cost polyhouse

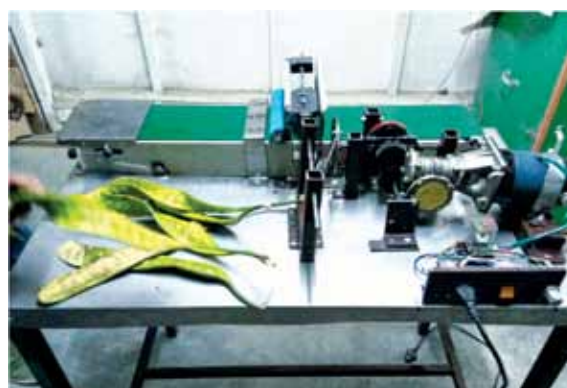
- iii) Developed protocol for extraction of pigments from black scented rice (*Chak-hao*).



- iv) Developed protocol for extraction of pectin from pineapple wastes.



- v) Developed parkia peeling machine. The machine can reduce the drudgery involved in the conventional scrapping method with curved blade. The operator does not require to handle the perkia which is sticky.



Parkia peeling machine

- vi) Developed a light weight portable air assisted electrostatic sprayer for spraying of bio-pesticides. The nozzle of the sprayer has been specially designed to spray bio-pesticides which is otherwise cannot be sprayed by the available traditional sprayers.





3.3. Locations Specific Scientific Findings in Agriculture and Allied Sciences for NEH Region

The Locations specific scientific findings in agriculture and allied sciences for NEH Region are presented below:

Sl. No.	Discipline		No. of scientific findings
1.	Agriculture	Field crop Genetic Resources Utilization and Improvement	58
		Natural Resource Management and Field Crop Production	30
		Microbial Resources and Field Crop Protection	21
2.	Horticulture & Forestry	Horticultural Crops Genetic Resources Utilization and Improvement	65
		Natural Resource Management and Horticultural Crop Production	12
		Microbial Resources and Horticultural Crop Protection	21
3.	Veterinary Sciences & Animal Husbandry	Veterinary Medicine and Surgery	5
		Veterinary Physiology & Biochemistry	23
		Livestock Production and Management	18
4.	Fisheries	Fish genetic Resources Utilization, Fish Breeding and Aquaculture	10
		Fish Health Management	2
5.	Community Science	Family Resource Management	8
		Clothing, Textiles and Handicrafts	7
		Human Development, Nutrition and Value Addition	16
6.	Agriculture Engineering & Post Harvest Technology	Farm Mechanization and Renewable Energy	26
		Soil and Water Conservation Engineering	5
		Ergonomic and safety in agriculture & Plasticulture	16
		Post Harvest Technology and Value Addition	19
		Total	362



3.4. QUALITY SEED PRODUCTION DURING 2019-20

Particular	<i>Kharif, 2019 (in quintals)</i>			
	In Institute/University farm		In farmers' field	
	Target	Achievement	Target	Achievement
Field Crops				
Breeder seed	10.00	11.98	-	-
Foundation seed	-	-	-	-
Certified seed	-	-	500.00	577.00
Truthfully labelled seed	-	-	5.00	7.70
Sub-total	10.00	11.98	505.00	584.70
Oil seeds				
Truthfully labelled seed	-	-	60.00	83.00





EXTENSION ACTIVITIES

4

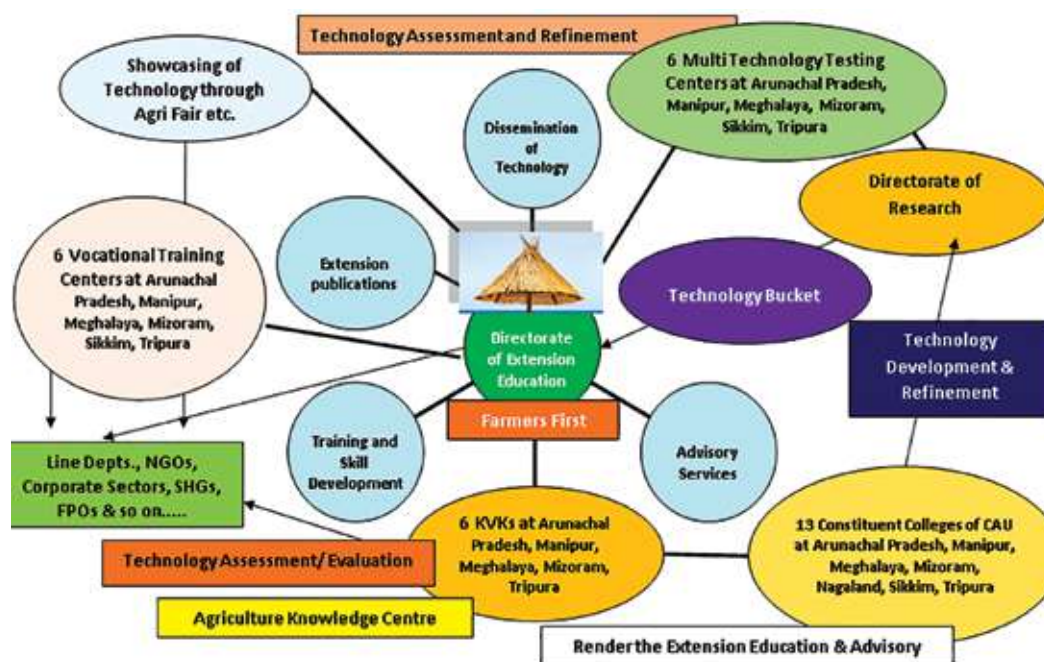


THE Directorate of Extension Education of the Central Agricultural University, Imphal has a statutory role to play with regard to extension and extension education. Extension service is a vehicle, which carries scientific agricultural technology interventions developed by the scientists for the overall benefit of the farming community. This noble activity facilitates in bridging the identified technological gaps existing with the farmers. The ultimate goal of this important function of the University is to increase the sustainable net income of the farmers, by taking all the enterprises on the farm into consideration, integrating them and treating the whole farm as one unit.

This major function of extension is accomplished through dissemination of farm information/innovations/new technologies etc.; training of farmers/ rural youth/ farm women/ unemployed youth and extension functionaries;

educating the farmers through different activities such as demonstrations, field visits, field days, exposure visits, workshop, regional agricultural fair, farmers' science congress, group discussions, health camp, diagnostic visit, consultancy services, soil analysis, water analysis, farm advisory services through individual mobile/WhatsApp group, publication of farmers friendly reading materials as well as video clippings and so on.

The functions listed above are carried through thirteen colleges, six Krishi Vigyan Kendras (KVKs), six Vocational Training Centers (VTCs) and six Multi Technology Testing Centers (MTTCs) are working in the 7 states of North Eastern Region of India except Assam under the jurisdiction of the Central Agricultural University, Imphal. The farming community can avail the services of any of the units of the University to get the solutions for their farming problems and to improve their livelihood.





TRAINING PROGRAMMES

4.1. Capacity Building Training Programmes for Extension Functionaries

4.1.1. Programmes sponsored by ICAR-ATARI- Zone VII

The Directorate organized following capacity building training programme for extension functionaries of the line depts., KVKs and ATMAs to keep them updated with latest technical know-how in identified area of agriculture and allied fields:

Sl. No.	Title of the Training	Duration Date	Male	Female	Total
1.	Good Horticulture Practices for Enhancing productivity and Farmers Income	3 days Sept. 9 – 11, 2019	19	09	28
2.	Trends and perspective for management of common parasitic diseases of animals.	5 days Nov. 26-30, 2019	17	05	22
3.	Soil Management in organic in Organic Farming	Feb. 17-21, 2020	13	12	25
4.	Bioflok technology and Fish Health Management	3 days Dec. 19-21, 2019	15	04	19
5.	Technological Advances in Health and Nutrition during Human Lifespan	3 days Dec. 5-7, 2019	03	20	23
6.	Good management practices in aquaculture	5 days Sept. 17-21, 2019	05	04	09
Grand Total			72	54	116

4.1.2. ICAR-NBAIR, Bengaluru Sponsored Programme

The Directorate of Extension of Extension Education, CAU, Imphal send the following extension personnel/Officials/SMSs of North East India in 3 batches to ICAR-NBAIR, Bangalore to impart a training on “Biological Control and Compatible Pest Management Modules for Management of Major Pest in NEH region with emphasis on Fall Army Worm (FAW)”.

Sl. No.	Details about the Batch of Trainees	Duration Date	Male	Female	Total
1.	First Batch: Assam- 2; Manipur-6; Arunachal Pradesh-2; Tripura-2	6 days Aug 19-24, 2019	6	6	12
2.	2nd Batch: Assam-1; Manipur-4; Tripura-2 Meghalaya-2	6 days Sept 16-20, 2019	6	3	9
3.	3rd Batch: Assam-1; Meghalaya-2; Tripura-4; Sikkim-1	6 days Oct 14-19, 2019	6	2	8
Grand Total			18	11	29



4.1.3. Training organized sponsored by other funding agencies

Training organized (in man-days) for extension resource persons (SMSs of KVKs, Department personnel, NGOs, Input dealers, etc.) during 2019-20 by the constituent colleges and KVKs sponsored by different funding agencies:

S. No.	Name of the training	Number of persons trained	Duration with dates and hours	Number of man-days
1.	Cultivation of flower under Greenhouse technology	20	3 days (20 - 22 May, 2019; 18 hrs.)	2.25
2.	Sanitation and cleanliness for VCs/CSOs	32	4 days (4 – 7 June 19; 24 hrs.)	3.00
3.	Fish Health & Environment Management	19	7 days (25 June- 1 July, 2019; 35 hrs.)	4.38
4.	Health and Nutrition for VCs/CSOs	30	4 days (2 – 5 July 2019; 24 hrs.)	3.00
5.	Seed Production and Larval Rearing of Magur and Singhi	16	7 Days (6- 12 July, 2019, 35 hrs.)	4.38
6.	Managerial Skills and Post-Harvest Technology Management	49	3 Days (8-10 July, 2019, 18 hrs.)	2.25
7.	Empowerment of Women through value added fish products technology”	15	5 Days (16- 20 July, 2019; 25 hrs.)	3.13
8.	Weavers training on preparation of woven designs / motifs using CAD	19	3 days (6 - 8 August 2019; 18 hrs.)	2.25
9.	Promotion of organic farming	18	3 day (11 – 13 Sep. 2019; 18 hrs.)	2.25
10.	Intervention under Protected cultivation. Hi-value vegetable varieties under NEH Region of Aizawl District Mizoram.	15	5 days (16 – 20 Sept. 19; 30 hrs.)	3.75
11.	Nucleus vegetables seed production and grafting and planting materials.	11	15 days (16 – 30 Sept 19; 90 hrs.)	11.25
12.	Essential practices on agriculture & Allied activities: water conservation & Utilization.	15	5 days (16 – 20 Sept 19; 30 hrs.)	3.75
13.	Essential practices on agriculture & Allied activities: Value Addition.	15	5 days (16 – 20 Sept 19; 30 hrs.)	3.75
14.	Essential practices on agriculture & Allied Activities-Good and Hygienic post-harvest handling practices of fish	25	5 days (16 – 20 Sept 19; 30 hrs.)	3.75
15.	Fabrication of aquarium& culture & breeding of ornamental fishes	11	15 days (16 -30 Sept 19; 90 hrs.)	11.25
16.	Concept & principles of Pest Management	15	3 days (16 – 20 Sept 19; 18 hrs.)	2.25
17.	Essential practices on agriculture & Allied activities- Piggery mgt& its practices	05	15 days (16 – 20 Sept 19; 90 hrs.)	11.25
18.	Quail farming for nutritional diet	11	15 days (16 – 30 Sept 19; 90 hrs.)	11.25

EXTENSION ACTIVITIES



S. No.	Name of the training	Number of persons trained	Duration with dates and hours	Number of man-days
19.	Tech. of plant propagation: Bonsai in the making, peace within; Irrigation techniques for gardening using drip and sprinkler systems	11	15 days (16 – 30 Sept 2019; 90 hrs.)	11.25
20.	More from less through good management practices in aquaculture	09	5 Days (17- 21 September, 2019, 25 hrs.)	3.13
21.	Capacity building and application of ICT in marketing fish and fish products”	24	3 Days (17- 19 Sept, 2019; 15 hrs.)	1.88
22.	Fish health management practices	10	3 days (23-25 Sep., 2019; 18 hrs.)	2.25
23.	Soil and water quality management for enhancing fish production	15	3 days (14 - 16 Oct., 2019; 24 hrs.)	3.00
24.	Rooftop water harvesting system and its components	26	5 days (14 – 16 Oct 19; 30 hrs.)	3.75
25.	Irrigation management	24	3 days (31 Oct. – 2 Nov. 2019; 24 hrs.)	3.00
26.	Climate Change Adaptation Planning in Mizoram under NMSHE: Adaptation to Climate Change in Water Sector. (Mizoram Science, Technology & Innovation Council (MISTIC)	31	4 days (4 – 7 Nov. 19; 24 hrs.)	3.00
27.	Scope of Entrepreneurships in Fisheries sector in North East India	30	10 days (20-29 Nov., 2019, 50 hrs.)	6.25
28.	Methods and techniques for habitats and species conservation of fisheries resources on N-E India	10	7 days (22 - 28 Nov. 2019; 42 hrs.)	5.25
29.	Seedling production through low cost green house	30	3 days (28 -30 Nov. 2019; 18 hrs.)	2.25
30.	Protected cultivation of vegetable crops: A source of employment in NEH region	20	8 days (2-9 Dec,2019, 60 hours)	7.50
31.	Winter School on “Recent advices in Fish Processing, Value addition and fish waste management”	17	21 Days (07-27 January, 2020, 105 hrs.)	13.12
32.	Management in Fish Farming	11	3 days (11 - 13 Jan. 2020; 24 hrs.)	3.00
33.	Micro level Planning through PRA Techniques	15	5 days (30 Jan.- 3 Feb. 2020; 35 hrs.)	4.38
34.	Application of Imaging techniques for diagnosis of pregnancy and other reproductive problems in small animals.	19	3 days (4-6 Feb., 2020, 18 hrs.)	2.25
35.	Design and construction of freshwater pond and carp hatchery	17	7 days (10 - 16 Feb., 2020; 42 hrs.)	5.25



S. No.	Name of the training	Number of persons trained	Duration with dates and hours	Number of man-days
36.	Scientific intervention in pond culture for enhanced productivity	20	3 Days (26 – 28 Feb. 2020, 15 hrs.)	1.88
37.	Advances in Commercial Pig Farm Management	07	3 days (25 – 27 Feb., 2020, 18 hrs.)	2.25
38.	Field Experience Training (FET) Programme for ARS Probationers from NAARM, Hyderabad under 110 FOCARS was organized at adopted villages of Farmers' FIRST Program, CAU, Imphal.	06	21 days (24 Feb.- 15 March, 2020; 126 hrs.)	15.75
39.	Management in farm animals	22	3 days (2 – 4 March, 2020; 16 hrs.)	2.00
40.	Organic Farming	14	3 days (12 – 14 March 2019; 24 hrs.)	3.00
41.	Integrated Farming system and Value chain management for rural economy and livelihood	29	4 days (26 -29 March, 2019; 24 hrs.)	3.00
GRAND TOTAL		758		197.53

4.2. Training Programmes for Farmers/Farm Women/Rural youth



Biofloc Technology and Fish Health Management



Weavers training on preparation of woven designs/motifs using CAD



EXTENSION ACTIVITIES



Biofloc Technology and Fish Health Management



Weavers training on preparation of woven designs/motifs using CAD



Biofloc Technology and Fish Health Management



Weavers training on preparation of woven designs/motifs using CAD

4.2.1. ATARI Zone VII sponsored programme

The Directorate conducted following four nos. of need-based training programmes (On-/Off-campus) to increase the farm production and supplement the income in the field of agriculture and allied activities. Altogether, 226 nos. of beneficiaries were benefitted:

Sl. No.	Title of the Training	Place, Date & Duration	No. of Benef.	Male	Female
1.	Three days training programmed for Farmers on "Scientific Cultivation of Vegetables Crops in NEH region" (On campus)	CAU H.Q., Lamphelpat, Imphal, December 11-13, 2020	21	15	6
2.	Three days training on Zero Tillage Cultivation of Rapeseed and Mustard	Sangaithe, Imphal West, December 16-18, 2020	29	14	15
2.	Three days training programmed for Farmers on "Biofloc Technology & Fish Health Management" (1 st Batch, On campus)	CAU H.Q., Lamphelpat, Imphal, December 26-28, 2020.	35	32	3
3.	Three days training programmed for Farmers on "Biofloc Technology & Fish Health Management" (2 nd Batch, On campus)	CAU H.Q., Lamphelpat, Imphal, January 20- 22, 2020.	40	35	5
4.	Three days training programmed for Farmers on "Biofloc Technology & Fish Health Management" (3 rd Batch, On campus)	CAU H.Q., Lamphelpat, Imphal, January 23-25, 2020.	43	41	2
Grand Total			168	137	31



4.2.2. CCS-NIAM, Jaipur sponsored programme

Following 11 nos. of training programme organized by the directorates, constituent colleges and KVKs on different topics at different states of the NEH region and total 351 farmers were benefitted out of these training:

Sl. No	Title of Training Program	Directorate/ College/ KVK	On-campus/ Off-campus	Duration	District/ Area	Gender		Total
						Male	Female	
1.	Income generation through on-farm, off-farm & non +farm activities	Director of Research, CAU, Imphal	Off-campus Keinou Thongkha, Bisnupur District, Manipur	3 Days (August 21-23, 2019)	Bisnupur District, Manipur State, North East Region	28	1	29
2.	Economic development of farmers of Arunachal Pradesh through organic cultivation and marketing of agricultural and horticultural crops	CHF Pasighat, Arunachal Pradesh	On-campus	3 Days (August 29-31, 2019)	East Siang District, Arunachal Pradesh State, North East Region	29	16	45
3.	Marketing and value chain analysis of spices in Arunachal Pradesh	COA, Pasighat, Arunachal Pradesh	On-campus	3 Days (September 5-7, 2019)	Kinjit Mebo, East Siang District, Arunachal Pradesh	-	45	45
4.	Intensive Dairy Farming and Energy Management	CAE&PHT, Sikkim	On-campus	3 days (September 19-21, 2019)	Sikkim state	23	02	25
5.	Applications of ICT in Marketing of Fish and Fish Products	College of Fisheries, Tripura	On-campus	3 days (17-19 September, 2019)	NEH-23 Rajasthan-1	21	3	24

EXTENSION ACTIVITIES



Sl. No	Title of Training Program	Directorate/ College/ KVK	On-campus/ Off-campus	Duration	District/ Area	Gender		Total
						Male	Female	
6.	Socio-Economic development of the horticultural farmers through contract farming	CHF, Pasighat, Arunachal Pradesh	On-campus	3 Days (September 4-6, 2019)	West Siang & East Siang District, Arunachal Pradesh	25	9	34
7.	Packaging for fruits, vegetables and other commodities	Director of Research, CAU, Imphal	On-campus	3-Days (September 18-20)	Imphal East, Ukhrul & Chrurachandpur District	11	15	26
8.	Good Horticultural Practices Enhancing Productivity and Farmers' Income	CHF Pasighat, Arunachal Pradesh	On-campus	3 days (September 9-11, 2019)	East Siang, Anjaw district, Arunachal Pradesh	14	14	28
9.	Intensification & Diversification for enhancement of Income	KVK South Garo Hills, Meghalaya	KVK, South Garo Hills	3 days September (25-27, 2019)	Warima, South Garo Hills, Chokpot District	21	19	40
10.	Value addition for pulses, Spices, Meat and other commodities	Director of Research, CAU, Imphal	Off-campus Bashikhong, Imphal East District, Manipur	3 days (September 27-29, 2019)	Bashikhong, Imphal East District, Manipur	-	30	30
11.	Climate change risk mitigation for marginal farmers of Himaylayn region in Sikkim	CAE&PHT, Sikkim	On-campus	3 days (Septmber 26-28, 2019)	Sikkim	10	15	25
Grand Total						125	169	351



4.3. Awareness Programmes for Farmers/Farm Women/Rural youth

4.3.1. Programmes sponsored by ICAR-ATARI- Zone VII

From the directorate following five nos. of one day-awareness programmes (On-/Off-campus) organized to aware the beneficiaries on different aspects of agriculture and allied activities to increase the farm production and supplement the income. Altogether, 366 nos. of individuals were benefitted:

Sl. No.	Title of the Training	Place, Date	Male	Female	Total
1.	One day Awareness-Cum-Training Programmed on "Bee keeping & Poultry Rearing" (Off-Campus)	Kakching Bazar, July 17, 2019	54	32	86
2.	One day Awareness-Cum-Training Programmed on "Scientific Management of Integrated Beekeeping" (Off-Campus)	Ukhrul Tounbou Village, July 27, 2019	164	11	175
3.	One day Awareness-Cum-Training Programmed on "Agricultural and Allied Activities" (Off-Campus)	Council Hall, ADC, Senapati, August 16, 2019	21	18	39
4.	One day Awareness-Cum-Training Programmed on "Scientific Rearing of Poultry Farming" (Off-Campus)	Longa Koirang Village, Kangpokpi, September, 30, 2019	6	31	37
5.	Method Demonstration on Induced Breeding of Carps (On campus)	COFT, CAU, Imphal, June 20, 2019	29	0	29
Grand Total			274	92	366

4.3.2. Other Awareness Programmes

Different other awareness programmes on various agri allied subjects were organized by the constituent colleges and KVAs, sponsored by various funding agencies:

Sl. No.	Name of the prog./Sponsorship/ Off-or-On campus	Extension Personnel/ Farmers	Duration & Date	Venue	Beneficiaries		
					M	F	T
1.	Field visit at the FFP Project sites by two officials (Dr. Ms. Aruna T. Kumar & Dr. Ms. Mitali Gosh) from ICAR-DKMA, IARI, New Delhi with FFP Team for monitoring the implementation of FFP Programme	Farmer	1 day, Feb. 5, 2020	Yairipok Top Chingtha & Yairipok Yambem, Imphal East	10	5	15
2.	Off-campus Awareness cum demonstration programme on "Scientific Cultivation of Mushroom and Vermi-composting" Sponsored by ICAR- FFP	Farmer	1 day, Feb. 15, 2020	Yairipok Yambem village	15	15	30

EXTENSION ACTIVITIES



Sl. No.	Name of the prog./Sponsorship/ Off-or-On campus	Extension Personnel/ Farmers	Duration & Date	Venue	Beneficiaries		
					M	F	T
3.	On-campus awareness prog. programme on "Duck rearing for sustainable income of the unemployed youth" Sponsored by Manipuri Duck project, CAU, Imphal	Farmer	Feb. 24, 2020	COA, Imphal	35	20	55
4.	Off-campus awareness prog. on "Scientific management of Ponies" followed by "Pony Health Camp" Sponsored by Manipuri Pony project, CAU, Imphal	Farmer	Jan. 18, 2020	Langjing Achouba, Imphal West	30	5	35
5.	Off-campus awareness prog. on "Scientific management of Ponies" followed by "Pony Health Camp" Sponsored by Manipuri Pony project, CAU, Imphal	Farmer	Jan. 20, 2020	Lamphel, U.K. Road, Imphal West	36	4	40
6.	Off-campus awareness prog. on "Scientific rearing of duck" Sponsored by Manipuri Duck project, CAU, Imphal	Farmer	Jan. 22, 2020	Narankonjil Mamang Leikai, Imphal West	12	23	35
7.		Farmer	Jan. 25, 2020	Kodompokpi Mamang Leikai, Imphal West	14	31	45
8.		Farmer	March 9, 2020	Elangkhangpokpi Mayai Leikai, Kakching District	9	27	36
9.		Farmer	March 15, 2020	Thoubal Mayai Leikai, Thoubal district	18	13	31
10.	Off-campus awareness prog. "Profitable pig rearing for sustainable income" followed by "Pig Health Camp" Sponsored by AICRP on Pig	Farmer	Feb. 22, 2020	Awang Sekmai, Imphal West	21	16	37
12.	Off-campus awareness camp "Profitable pig rearing for sustainable income" followed by "Pig Health Camp" Sponsored by AICRP on Pig	Farmer	Feb. 29 2020	Andro Village, Imphal East	25	13	38 130 pigs registered for check-up
13.	Two Off-campus awareness camp on "Impact of climate change in agriculture, its mitigation and adaptation strategy in Manipur"	Farmers	Jan. 10 & 16, 2020	Churachandpur Thoubal	41	70	111



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Sl. No.	Name of the prog./Sponsorship/ Off-or-On campus	Extension Personnel/ Farmers	Duration & Date	Venue	Beneficiaries		
					M	F	T
14.	Two On-campus awareness camp on "Impact of climate change in agriculture, its mitigation and adaptation strategy in Manipur"	Farmers	Feb.18 & 21, 2020	Dept. of Agronomy	30	70	100
15.	Four On-campus awareness camp on "Management of soft rot of Ginger" Sponsored by NBAIR, Bengaluru	Farmers	March 2, 3 & 4, 2020	COA, Dept. of Plant Pathology	96	56	152
16.	Off-campus awareness camp on "Tuber crops"	Farmers	Feb. 17 2020	Khonghampat, Imphal West	34	20	54
17.	Off-campus awareness camp on "Scientific cultivation and processing of tubers"	Farmers	March 2 2020	Irengband, Kakching	35	15	50
18.	On-campus awareness camp on "Importance of Boron in Cauliflower Cultivation"	Farmers	12 th Feb. 2020	Dept. of Soil Science	0	30	30
19.	On-campus awareness camp on "Importance of micro and secondary nutrients for doubling farmers' income."	Farmers	13 th Feb. 2020	Dept. of Soil Science	10	20	30
20.	Four Off-campus awareness cum sensitization programme on 'Mobile Agro Advisory'- (Matsya Varta). Sponsored by MeitY, GOI	Farmers	One day each	West Tripura, Khowai & Gomati	200	40	240
21.	Off-campus awareness programme on "Rainwater Harvesting and Use of Micro Irrigation"	Farmers	One-day March 16, 2020	Parkha Block East Sikkim	36	04	40
22.	On-campus awareness camp on Important diseases and its management of Horticultural Crops	Farmers & Farm women	1 day, Feb. 2, 2020	College Farm	15	25	40
23.	On-campus awareness camp on Production technology of Gerbera and carnation	Farmers & Farm women	1 day, Feb. 1, 2020	College Farm	20	25	45
24.	On-campus awareness camp on Important insect pest of horticultural crops and their management	Farmers & Farm women	1 day, Feb. 28, 2020	College Farm	15	35	50
25.	On-campus awareness camp on Practice of crop regulation in Guava (<i>Psidium guajava</i>)	Farmers & Farm women	1 day, Feb. 29, 2020	College Farm	10	40	50
26.	Awareness programme on intellectual property rights in plant breeding	Students, Farmers & Farm women	1 day, March 5, 2020	Auditorium of CAEPHT, Ranipool	60	40	100
27.	On-campus awareness camp on Integrated farming systems to double the farmers income	Farmers	1 day, Jan. 18, 2020	COA	31	19	50

EXTENSION ACTIVITIES



Sl. No.	Name of the prog./Sponsorship/ Off-or-On campus	Extension Personnel/ Farmers	Duration & Date	Venue	Beneficiaries		
					M	F	T
28.	On-campus awareness programme on 'World Consumer Rights Day'	ICDS supervisors	1 day March 15, 2020	Dept. of Family Resource Management	0	20	20
29.	On-campus awareness camp on Maintenance and repairing of farm machineries	Farmers	1 day, Feb. 29, 2020	College Conference Hall	19	3	22
30.	On-campus awareness cum workshop on "Science Writing and Research Communication". Dr. Yateendra Joshi (an accredited editor with Diplomat status certified by the Board of Editors in Life Sciences, USA) acted as resource person.	Faculty & PG/Ph.D. scholars	1 day, Feb. 11, 2020	College Conference Hall	33	29	62
31.	On-campus awareness camp on "Mobile Based Agro-Advisory System for Mizoram", a workshop was organised for the on	Level 2 experts & Vet. Officers of the Dept. Govt. of Mizoram	1 day Feb. 6, 2020	CVScAH	19	2	21
32.	Four off-campus awareness programmes on "Mobile Based Agro-Advisory System for Mizoram". Sponsored by MyeiT GOI, and implemented by DIC, New Delhi and CVScAH (CAU)	Farmers	1 day each on Feb. 17, 19, 26 & March 4, 2020	Muallunthu, Tural, Thenzawl & Nisapui villages	80	100	180

4.4. Distance Education programmes for Farmers/Farm Women/Rural youth

The Directorate of Extension Education and CVSc & AH, Aizawl conducted following three nos. of need-based distance education programmes to increase the farm production and supplement the income in the field of agriculture and allied activities. Altogether, 226 nos. of beneficiaries were benefitted:

Sl. No.	Title of the Training	Place, Date & Duration	No. of Benef.	Male	Female
1.	One-month Certificate Course on "Distance Education on Scientific Fish Farming" in Manipuri Language (On campus)	CAU H.Q., Lamphelpat, Imphal, January 31-February 3, 2020.	58	51	7
2.	Three-months Certificate Course on "Distance Education Piggery Farming" in Mizo Language (Off Campus)	Muallunthu Aibawk 1 st Sept., 2019 to 17 th Feb., 2020	47	21	26



Sl. No.	Title of the Training	Place, Date & Duration	No. of Benef.	Male	Female
3.	Three-months Certificate Course on "Distance Education Certificate Course on Poultry Farming" in Mizo Language (Off Campus)	Sateek 1 st Sept., 2019 to 17 th Feb., 2020	52	11	41
Grand Total			157	83	74



4.5 Kisan Mela/ Congress/ Workshop

Following programmes were organized by the Directorate to demonstrate the different technologies developed by the constituent colleges of CAU including various organizations and also aware the farmers regarding various extension services available with the line depts. and also activities of KVKs, NGOs and others agri-allied firms. During the programmes different shows and competitions viz., crops, vegetable, flower, fruit, orchid, dog, healthy baby, farmer's/ scientist's presentation etc. and also given the awards under diff. categories. Apart from these, 'Farmers-Scientist Interactions' were also organized on different topics. This year also the special event i.e., 'Farmers' Science Congress' was organized where farmers presented their innovations and success through power point and poster presentations and also given the awards to the first 3 best presentations of both the categories.

4.5.1. Kisan Mela

Sl. No.	Particulars	Duration & Date	Place	Male	Female	No. of Benef.
1.	Vibrant North East 2019 organized by Directorate of Extension Education, CAU, Imphal with financial support by CARD, New Delhi.	Three days, June 19-21, 2020	COA, CAU, Imphal	750	1250	2000
2.	Regional Agri Fair (RAF) 2019-20 organized by Directorate of Extension Education, CAU, Imphal funded by MoAFW, GOI, New Delhi	Nov. 11-13, 2019	College of Horticulture & Forestry, Pasighat, A.P.	2020	1274	3294
3.	Kisan Melas under 'Jal Shakti Abhiyan' in 3 blocks viz., Samanda, Rongjeng & Songsak of East Garo Hills, Meghalaya	August 23-30, 2019 & Feb. 6 2020	KVK- East Garo Hills	100	320	420
4.	Kisan Diwas 2019 financed by ICAR-VPKAS, Almora.	Dec. 23, 2019	KVK- Sepahijala	210	107	317



Lighting of Lamp in the Inaugural Function of CAU Regional Agri Fair, 2019-20



Distribution of Planting material in Regional Agri-Fair, 2019-20

4.5.2. Farmers' Science Congress

S. No.	Particulars	Duration & Date	Place	Male	Female	No. of Benef.
1.	2nd Farmers' Science Congress organized by Directorate of Extension Education, CAU, Imphal Sponsored by ICAR-ATARI Zone VI & VII	Nov. 12-13, 2019	COHF, Pasighat, A.P.	85	15	100
2.	1st Farmers Science Congress (FSC) as part of 107th Indian Science Congress was organized jointly by COA, CAU, Kyrdemkulai; Division of Agriculture Extension, ICAR, New Delhi and UAS, GKV, Bengaluru	One day January 6, 2020,	UAS, Bengaluru	350	150	500



2nd Farmers' Science Congress at CHF, CAU, Pasighat



1st Farmers Science Congress (FSC) at UAS, Bengaluru



Technology and Machinery Demonstration Mela at CAE&PHT, Sikkim



Technology and Machinery Demonstration Mela at COA, Imphal



4.5.3. Technology and Machinery Demonstration Mela

S. No.	Particulars	Duration & Date	Place	Male	Female	No. of Benef.
1.	Technology and Machinery Demonstration Mela organized by CAU-AICRP-PHET	February 14, 2020	CAEPHT, CAU, Sikkim	110	118	228
2.	Technology and Machinery Demonstration Mela organized by CAU-AICRP-PHET	March 6-7, 2020	College of Agriculture, CAU, Imphal	180	270	450

4.5.4. Road Show and Biocontrol Workshop

S. No.	Particulars	Duration & Date	Place	Male	Female	No. of Benef.
1.	Road Show Nidhi Accelerator organized by DEE in collaboration with Lab Indigram, New Delhi	Jan. 10, 2020	COA, CAU, Imphal	59	9	68
2.	Workshop on “Bio control of Crop Pests & Invasive and Utilization in Insect as Food in North East Region” Sponsored by ICAR-NBAIR, Bengaluru	Two days, February 25-26, 2020	COA, Imphal, Manipur	39	5	44
3.	Workshop on “Bio control of Crop Pests & Invasive and Utilization in Insect as Food in North East Region” Sponsored by ICAR-NBAIR, Bengaluru	Two days, 2020.	CPGS-AS Umiam, Meghalaya	39	5	44





4.5.5. Agricultural Workshop

A special 15 nos. of 'Agricultural Workshop on the use of Petroleum Products' were organized and coordinated by the directorate at different Colleges and KVKs under the sponsorship of PCRA, New Delhi. A total of 667 farmers and others benefitted out of these programmes.

Sl. No.	Name of Institution/Colleges/KVKs	No. of participants	Date
1.	College of Fisheries, Tripura	52	December 4, 2019
2.	KVK- Sepahijala, Tripura	35	December 21, 2019
3.	KVK- South Garo Hills, Meghalaya	30	January 18, 2020
4.	KVK- East Garo Hills, Meghalaya	40	February 5, 2020
5.	KVK- East Siang, Pasighat, Arunachal Pradesh	45	February 5, 2020
6.	College of Vety. Sciences & AH, Aizawl, Mizoram	40	February 13, 2020
7.	College of Agril. Engg. & Post-Harvest Technology, Sikkim	79	February 22, 2020
8.	College of Agriculture, Kyrdemkulai, Meghalaya	70	February 24, 2020
9.	College of Hort. & Forestry, Pasighat, Arunachal Pradesh	29	February 27, 2020
10.	College of Agriculture, Imphal.	40	February 27, 2020
11.	KVK- Imphal East Andro,	25	February 28, 2020
12.	KVK- Aizawl, Selisih,	41	March 7, 2020
13.	Directorate of Extension Education, CAU, Imphal	35	March 7, 2020
14.	College of Food Technology, Lamphelpat	32	March 7, 2020
15.	College of Horticulture, Thenzawl, Mizoram	74	March 11, 2020
Total		667	



Workshop on on Petroleum Product conservation at College Agricultural Engineering and Post-Harvest Technology , Sikkim



Workshop on Petroleum Product conservation at College of Fisheries, Tripura



4.6. Farmers' Fair / Exhibition Participated

Sl. No.	Particulars	Place & Date	Remark
1.	State Level Farmers Fair- 2019	ICAR - Manipur Centre, Lemphepat, Imphal during 20-23 December 2019	CAU Stall was exhibited represented by team of Directorate of Extension Education along with COA, Imphal
2.	National Indigenous Seed Festival-2019	College of Agriculture, CAU, Imphal during 12-14 October, 2019	CAU Stall was exhibited represented by team of Directorate of Extension Education, KVK- Imphal East
3.	State Agricultural Fair- 2019	Department of Agriculture, Govt. of Manipur during October 8-11 2019	CAU Stall was exhibited represented by team of Directorate of Extension Education along with COA, Imphal
4.	Vibrant North East 2019	College of Agriculture, CAU, Imphal During June 19-21, 2020	CAU Stall was exhibited represented by team of Directorate of Extension Education along with KVK- Imphal East and COA, Imphal

4.7. Mera Gaon Mera Gurav (MGMG)

Following Activities were undertaken by different constituent colleges of CAU in the adopted villages under MGMG:

S. No.	Name of activity	No. of activities conducted	No. of farmers benefitted
1.	Awareness created	19	492
2.	Demonstrations conducted	23	1016
3.	Interface meeting/ Goshthies	13	603
4.	Literature support provided	38	483
5.	Training organized	28	610
6.	Visit to village by teams	136	2345
7.	Mobile based advisories	599	3456
Total		856	9005



Inaugural session of Technology and Machinery Demonstration Mela-2019 on 15th Feb, 2019



Training for Mushroom cultivation

EXTENSION ACTIVITIES



Interface meeting

4.8. External Funded Projects and Sponsored Programmes/Activities

4.8.1. ICAR-IGFRI, Jhansi, UP Sponsored Project/Programme

Following activities were under taken on “Livestock based Interventions for Livelihood Improvement of ST farmers” under NEH component:

Sl. No.	Description	Unit	Annual Target of Farmers	Achievement
1.	Under this NEH programme, Forage Maize (cv. J 1006 African tall), Sorghum seed, fodder rice bean, plating materials (cuttings) of Bajra-Napier Hybrid (CO4 & CO5), Oats (cv. Kent, JHO – 822) along with fertilizers were given to the 108 nos. selected farmers of Manipur to conduct FLDs	3	100	108

4.8.2. ICAT-NBAIR, Bengaluru, Karnataka Sponsored Project/Programme

Following different activities viz., awareness camps, training, FLDs, and method/result demonstrations were organized at various campus and total 912 farmers benefitted out the these programmes/activities:

S. No.	Activities	Conducted by	No. of Beneficiaries	Period/ Date
1.	Awareness cum training programme on Management of soft rot of Ginger held at Department of Plant Pathology, College of Agriculture, CAU, Imphal (2 nos.)	College of Agriculture, Imphal	152	March 2–4, 2020
2.	Frontline demonstration programme on biological management of insect pest in vegetables (rapeseed & mustard)	Director of Research, CAU, Imphal	30	January, 2020
	Frontline demonstration programme on “biological management of insect pest in vegetables (watermelon)		30	January 2020
	Frontline demonstration programme on biological management of insect pest in vegetables (field pea)		40	February, 2020



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S. No.	Activities	Conducted by	No. of Beneficiaries	Period/ Date
	Frontline demonstration programme on biological management of insect pest in vegetables (cabbage)		57	January, 2020
3.	Training cum Frontline demonstration programme Biological control of crop pests and disease (2 nos.)	KVK, Aizawl, Mizoram	145	March, 2020
4.	Training on Diseases and Pests Management of Cabbage using Bio-control and Biological agent	KVK, East Garo Hills, Meghalaya	43	20 th –23 rd , February, 2020
	Training on Disease and Pest Management of cabbage and Rapeseed Mustard using Bio-Control Agents.		33	26 th –29 th February, 2020
	Frontline demonstration programme on Diseases and Pests Management of Cabbage using Biocontrol and Biological agent		2	Feb, 2020
	Frontline demonstration of Disease and Pest Management of cabbage and Rapeseed Mustard using Bio-Control Agents.		2	Feb, 2020
5.	Frontline demonstration programme Biological control and Biocontrol compatible of Pest Management Modules in Vegetable crops in Tomato, Brinjal, Potato	KVK East Siang Arunachal Pradesh	35	Dec, 2019– March, 2020
6.	Training Programme on insect Pest and Diseases Management using Biocontrol agent (4 nos.)	KVK, Imphal East, Manipur	109	17 th -26 Jan, 2020
	Demonstration on insect Pest and disease Management using biocontrol agents in Rapeseed Mustard (var. NRCHB 101)		24	Dec. 2019 – Feb. 2020
	Demonstration on insect Pest and disease Management using biocontrol agents in field pea (var. Arkel)		38	
	Demonstration on insect Pest and disease Management using biocontrol agents in cauliflower		4	
7.	Frontline demonstration Programme on Organic Management of insect Pests in tomato	KVK, Sepahijala, Tripura	2	March, 2020
	Training on Organic Management of insect Pests in Tomato		150	8 th March, 2020
8.	Frontline demonstration Programme on Biological Management of Insect Pest in Cabbage	KVK, South Garo Hills, Meghalaya	8	Dec. 2019
	Frontline demonstration Programme on Biological Management of Insect Pest in Rapeseed/ Mustard		8	Dec. 2019
Total			912	



4.8.3. AICRP on Rapeseed and Mustard Project Sponsored by ICAR-DRMR, Bharatpur

A total no. of 240 FLDs conducted on Improved Zero Tillage cultivation practices of HYV of Rapeseed and Mustard (var. NRCB0 101, DRMR0 150-35, TS-38) in rainfed condition in the districts of Imphal West, Kangpokpi and Imphal East during Nov, 2019 to April, 2020. The cropping systems prevailing in the demonstration area was paddy followed by mustard. It is observed that var. DRMR- 150-35 gave more yield and susceptible to pest and disease in Manipur condition. Farmers opinion about the technology is that NRCB-101 and DRMR-150-35 increased seed yield up to 10% over local control and produced more oil than local.

4.8.4. DST (KIRAN Division) Sponsored Women Scientist Scheme-B (WOS-B) under S&T Intervention for Societal Benefit

The project started functioning from Oct. 3, 2019 to develop a package of practice for the brood stock management, breeding and marketing of different varieties of Japanese koi carp (*Cyprinus carpio*) and other indigenous fishes of Manipur, for improving economic status of rural women in Manipur. Under this project one Biofloc unit with a capacity of 10,000 l was setup at the CAU Central Farm, Lamphelpat. Three batches training

programmes (1st Dec 26-28 2019; 2nd Jan 20-22 and 3rd Jan 23-25, 2020) were conducted on “**Biofloc Based Farming Technology & Fish Health Management**” for 150 fish farmers including farm women of Manipur in collaboration with the Directorate of Extension Education at CAU.

4.8.5. RKVY-RAFTAAR AGRI-BUSINESS INCUBATOR (R-ABI) Sponsored by MoA&FW

Total three (3) R-ABI centers at College of Fisheries, Tripura, College of Horticulture & Forestry, Arunachala Pradesh and College Veterinary Science & Animal Husbandry, Mizoram were setup during this financial year under the coordination and monitoring of the Directorate of Extension Education, CAU, Imphal.

1. Salient achievements of COF R-ABI, Tripura

Twenty-eight (28) innovative and enthusiastic individual/entrepreneurs were incubated under the two months training cum hands on Agripreneurship Orientation Program (AOP) in three batches. A total of 16 successful interns from AOP-1 & AOP-2 were recommended for consideration to the CIC which in turn recommended four (4) AOP interns and finally MoA&FW, GOI awarded idea/pre-seed stage subsistence grant of Rs. 5 lakhs to each of the four agripreneurs incubated at COF R-ABI.





2. Salient achievements of CVSc & AH R-ABI, Mizoram

During this financial year, three (3) batches of co-horts were trained for two months duration each for Agripreneurship Orientation Programme (AOP) and altogether twenty-five (25) agripreneurs were trained, mentored and incubated. Four of the incubatees/agripreneurs from this R-ABI center were selected for pre-stage funding of Rs. 5 lakhs each by the Ministry of Agriculture and Farmers Welfare, Govt of India.



Review Meeting of RKVY: R-ABI, Mizoram

3. Salient achievements of CHF R-ABI, Arunachal Pradesh

The CHF R-ABI center is actively engaged in incubation programmes and paves way for induction of Agritech startups in the region, with the successful incubation and handholding of 29 incubatees covering the entire North Eastern Region during 2019-20.

Four of the innovative projects of incubatees of RKVY- RAFTAAR Agri Business Incubation Centre, got approved and sanctioned for pre-seed stage (Agripreneurship Orientation Programme) funding of each 5 lakhs from Ministry of Agriculture and Farmers' Welfare, New Delhi.

Other significant contributions of CHF R-ABI are promotion of startup ecosystem, innovation and agripreneurship development, marketing linkages, liasoning with business experts and extending financial assistance. Apart from these, separate webpage (<https://www.chfcau.org.in/content/r-abi>), social media platform like You Tube (<https://www.youtube.com/channel/UCRzfbcBkCb8HMHqc0wKJLeg>) Facebook, Twitter (https://twitter.com/abi_chf) and LinkedIn were also created by the center.





4.8.6. Mobile Based Agro-Advisory System for Mizoram and Tripura funded by MeitY, GOI, New Delhi

“Mobile Based Agro-Advisory” for farmers of Mizoram and Tripura stated functioning at CVSc&AH, Aizawl and COF, Lembucherra w.e.f. Dec. 2019 under the coordination and monitoring of the Directorate of Extension Education, CAU, Imphal. The project is financed by the MeitY, GOI, and implemented by DIC, New Delhi and CAU, Imphal. Registrations of farmers are being done through the toll-free no. 1800-102-3141 and already registered farmers details were entered into IIDS to complete the registration process. During this financial year, apart from 2 nos. of workshops, 2 nos. of training programmes and 8 nos.

of awareness camps; following farm related advisories also rendered through telephonic calls/SMS/other apps:



Activities	COF	CVSc&AH
Total Farmers Registration	: 2312	1177
No. of Advisories related to Agri-allied sectors	: 389	745
Total Text SMS sent (consuming)	: 149 (67662)	41 (56040)
Total Voice SMS sent (consuming)	: 53 (28596)	28 (16775)
Continuous proactive calls	: 386	602
Continuous follow-up calls	: 641	203

4.8.7. Enhancement & Field Testing of Digital Solution for the Weavers/Designers and Artisans of North East Region (Mizoram)”funded by MeitY, GOI, New Delhi

Sl. No.	Title of the Programme	Duration & Month	Target Group / Category	Location	No. of Participants (M/F)	Department/ Faculty Involved
1.	Training Programme for the Weavers/ Designers and Artisans	10 days, July 29 – Aug. 9 2019	Weavers	Dept. of Sericulture	8 (F: 8)	Project Team
2.	Training Programme for the Weavers/ Designers and Artisans	10 days, Aug. 13– Aug. 23 2019	Students and Weavers	Blitz Institute of Creative Arts, Republic veng, Aizawl	8 (F: 8)	
3.	Training Programme for the Weavers/ Designers and Artisans	Sept. 4 – Sept. 20, 2019	Students	Women's Polytechnic Aizawl, Mizoram	60 (F: 60)	
4.	Workshop cum training	3 days, Nov. 5 -7, 2019	Students and Weavers	Vocational Training Centre, Kolasib.	15 (F: 15)	
Total					91	



4.8.8. ICAR Sponsored Farmers FIRST Project

Major changes in the existing cropping/farming system

- 15% of the FFP farmers (mostly small farmers) turned into Integrated Farming System.
- 50% of the marginal farmers increase their cropping system by occupying the land throughout the year.

Content Mobilization

14 nos. of folders; 9 nos. of bulletins; 3 nos. of leaflets; 2 no. of Fish farm calendar; 2 no. of disease calendar of poultry; 1 no. of crop calendar; ICT (FFP WhatsApp group) were published



3rd UAC & SPIG Meeting of FFP, CAU, Imphal



Vaccination and Animal Health Camp organised at FFP project sites, Imphal East.



Field view of paddy var. CAUR-1, RC Maniphou-13 & Akhan Phou (Local cultivar) at the FFP, Project site



Field of Rapeseed-Mustard at the FFP Project site



Distribution of Farm produces like (Vegetables, Rice (CAUR-1), Mustard oil) to the front line COVID warriors



4.8.9. NBB, New Delhi sponsored Project: Integrated Beekeeping Development Centre (IBDC):

A. Establishment of Extraction and Processing Unit of Honey and other honey bee products

PHYSICAL ACHIEVEMENT

- Processed 36.6 kg of crude honey at the 250 kg capacity processing unit of Integrated Beekeeping Development Centre, Central Agricultural University, Imphal on 14th August, 2019 and processed honey were filled in 85 bottles of 400 gm capacity.
- 25 kg of crude honey was processed on 16th September, 2019 and bottling was done. 59 bottles weighing 400 gram was yielded after processing.



B. Establishment of Bee Disease diagnostic laboratory

Technology and Impact Demonstration Centre

Scientific lectures cum demonstration Programme on Apiculture was done on 6th August 2019 at the Technology and Impact Demonstration Centre of IBDC, CAU, Imphal. A total of 40 students (5th Semester Zoology Honours) along with 8 staffs of Waikhom Mani Girls College, Thoubal were included in the demonstration programmes. Scientists & Resource persons demonstrate Scientific methods and management of beekeeping, Identification of honey bee species found in Manipur, advantages and Scope of Beekeeping, tools and implements used in scientific beekeeping, role of honey bees in boosting crop production, processing of honey, quality analysis, etc.



Equipment manufacturing Unit

- Purchased all the small equipments required in establishment of equipment manufacturing unit.
- Started manufacturing 500nos. of bee box of *Apis cerana* in the Equipment Manufacture Unit of "Integrated Beekeeping Development Centre", CAU, Imphal.



Awareness/ Workshops/ Training/ Demonstration for Scientific Beekeeping

- Organized World Honey Bee Day on 20th May, 2019. Number of Farmer Participants were 50.



World Honey Bee Day, May, 2019

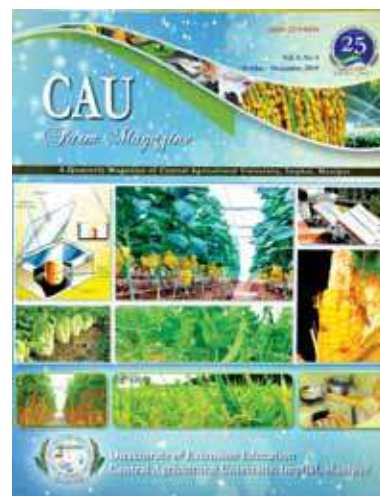
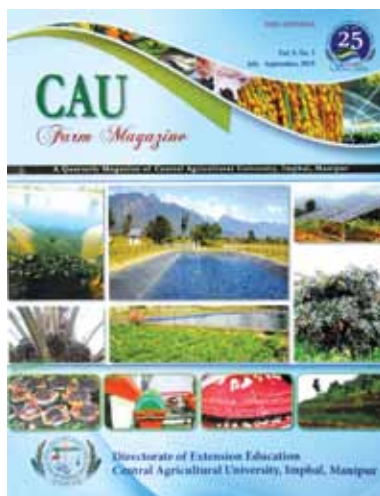
- Organized two days state level “Workshop cum honey festival” on 28th and 29th February, 2020.



4.9. Extension Publications

- CAU Wall Calendar 2020** with agriculture information (**priced edition**); **CAU Table Calendar 2020** and CAU Desk Top calendar
- CAU Kisan Diary 2020** [priced edition (for farmers free)];
- CAU Farm Magazine** (Quarterly) with ISSN (2279-0454): Vol. 9 (2, 3, 4) and Vol. 10(1);
- CAU Newsletter 2019-20** (Quarterly): Vol. 4 (2, 3, 4) and Vol. 5 (1);
- Book: Farmers as Innovators:** Farm Innovations of Seven Sisters and One Brother (ISBN: 978-81938078-2-8 and authored by M. Premjit Singh, R. K. Saha, S. Prabhu Kumar, A. Prasad and E. V. D. Sastry): **Priced edition:** Rs. 100 (Institution) & Rs. 50 (Individual).
- Book: Biocontrol and Utilization of Insects for North East India** (ISBN: 978-81-938878-3-5 and authored by S. M. Haldhar, P. Dutta R. K. Saha, M. Nagesh, K. Selvaraj and M. Premjit Singh): **Priced edition** Rs. 300 (Institution) & Rs. 200 (Individual).
- CAU Regional Agri Fair Souvenir 2019-20;**
- CAU Regional Agri Fair (2019-20) Digital Album**
- Action Plan:** Extension Education Activities (2019-20)
- Total **50 nos. of Success Stories of Farmers** were compiled under TSP (ICAR sponsored project) and submitted to ICAR (Edu. Division) as well as published online as University publication with ISBN.

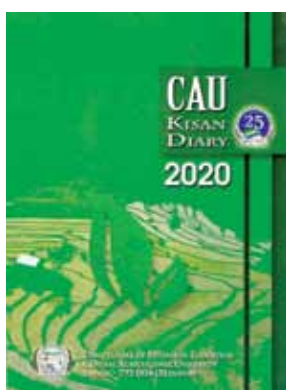
EXTENSION ACTIVITIES



CAU Farm Magazine 2019-20: Vol- 9 (2 to 4) & 10(1)



CAU Newsletter 2019-20: Vol. 4 (2 to 4) & 5(1)



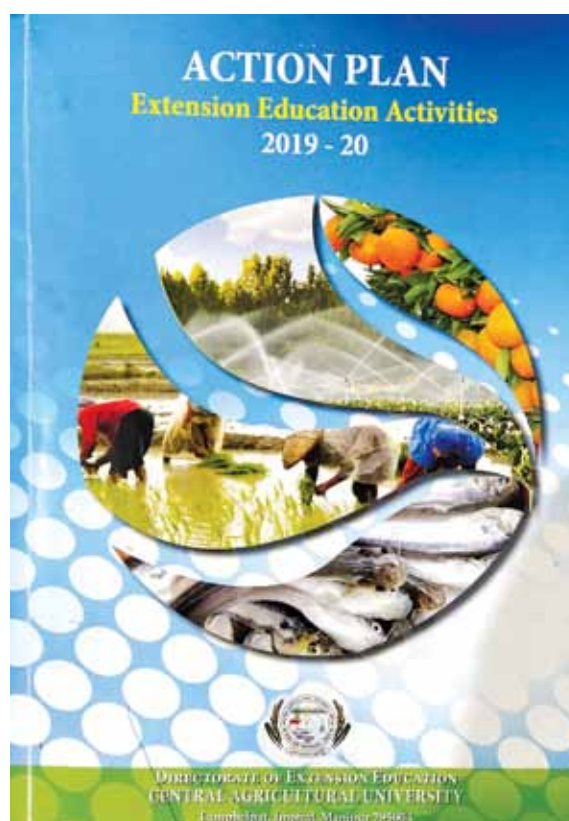
CAU Kisan Diary 2020



Souvenir of CAU
Agri Fair 2019-20



CAU Wall Calendar-2020



Action Plan: Extension Education 2019-20



CAU Table Calendar-2020



CAU-RAF 2019-20: Digital Album

4.9.1. CAU-Krishi Vigyan Kendra Activities KVK-Aizawl, Selesih, Mizoram

- a. Total 31 technologies have been evaluated out of which 13 number were under On Farm Testing (OFT) and 18 numbers were

- under Front Line Demonstration (FLD). A total of 98 farmers were benefited under these OFTs & FLDs.
- b. A total of 80, 28 and 17 trainings were conducted with beneficiaries total of 3067, 754 and 318 in respects to farmer/ farm women, rural youths and extension personals respectively.



- c. A total of 405 q seeds and 1,77,800 number of planting material have been produced and distributed among the farmers of Aizawl District.
- d. Under doubling farmer's income, a total of 104 farmers have been enrolled as to uplifting their socio-economic stature. Two villages namely Dakla Zau Sihphir & Muthi were selected as DI villages.
- e. Under RKVY 600 dragon fruits with 300 nos. of dragon fruit staking RCC pole & 500 papaya planting material have been distributed to farmers.
- f. Successfully formed 4 (four) farmers group namely Vegetable Farming Group, Dakla zau Association, Horticulture Farming Group and Lungtatpar Zau Farming association.
- g. The KVK Aizawl was selected as nodal office for 5 states (Mizoram, Manipur, Meghalaya, Nagaland & Tripura) by ICAR ATARI Zone VII to administer the farmers exposure tour programme at ICAR Almora during Sept. 15–20, 2019.
- h. FLD on Tomato (*Arka rakshak* & *Arka samrat*), Broccoli (CLX 3512) have been conducted covering 31 ha.
- i. Dr. Jotish Nongthombam received Dr. Ram Avtar Shiksha Samiti, KVK Scientist award on the occasion of Scientist Award Ceremony presented by the Department of Public Administration, Lucknow University, Lucknow.
- j. Dr. Santosh Kumar received a Certificate of Merit in Excellence in Extension Scientist Award 2019 in the occasion of 3rd International Conference organised by Tribhuvan University, Kathmandu, Nepal.
- k. Ms. Rebecca Ralte, SMS. Plant Protection Received 3rd Position in poster session in

Workshop on Biocontrol of crop pests & Invasive and Utilization of Insects as Food in North-East Region of India organized at CPGS Barapani, Meghalaya.

KVK, East Siang, Pasighat

- a. Rice Var. CAU-R1 have been spread over 200 ha. area covering 93 villages.
- b. Popularization/ Scaling up of use of Rotavator: Horizontal spread of technology (Area in ha):70, Number of Villages: 10, No. of farmer adopting technology: 160, % adoption: 32.
- c. Popularization/ Scaling up of use of Paddy reaper: Horizontal spread of technology (Area in ha): 60, Number of Villages: 08, No. of farmer adopting technology: 200, % adoption: 40.
- d. Popularization/ Scaling up of use of Multicrop planter: Horizontal spread of technology (Area in ha): 40, Number of Villages: 04, No. of farmer adopting technology: 120, % adoption: 24
- e. Popularization/ Scaling up of use of Paddy thresher: Horizontal spread of technology (Area in ha) :70, Number of Villages: 10, No. of farmer adopting technology: 180, % adoption: 36
- f. Popularization/ Scaling up of Toria Var. TS-38 under Cluster FLD programme: Horizontal spread of technology (Area in ha): 150, No. of Villages: 48, No. of farmer adopting technology: 198, % adoption: 15.
- g. Popularization/ Scaling up of use of Floating Pelleted Fish Feed: Horizontal spread of technology (Area in ha) : 05, No. of Villages : 04 , % adoption : 8.

KVK, Imphal East, Manipur

- a. Awarded Best Exhibitor Stall with cash prize of Rs.15,000/- in the State



- Agricultural Fair 2019 during 8-11 October 2019, organised by Department of Agriculture, Government of Manipur.
- Awarded Best Exhibitor Stall in the CAU Regional Agri- Fair 2019-20 during 11-13th November, 2019 organised by DEE, CAU, Imphal.
 - Awarded Best Exhibitor Stall with cash prize Rs .5,000/-under KVK Category in the State Level, Kisan Mela 2019 during 20-23rd December 2019 organised by ICAR Manipur Centre, Lamphepat.
 - Constructed 20 nos. of low cost Water harvesting structure (Eshingkom) with the sponsored amount of Rs. 2,41,200/- from NABARD.
 - Under drought situation of the district, KVK I/E intervened with the water pipe through custom hiring for cultivation of paddy covering 200 ha and able to generate Rs. 11,000/-
 - Made Credit linkage of Rs. 87,00,000/- through KCC, DED programme, ED & EG, piggery loan and Mudra Loans benefitting 47 beneficiaries. Details as follows-
 - Kishan Credit Card (KCC) Rs. 36 lakhs @ Rs. 1,00,000/- per farmer for 36 PF of Chingnungkhok Farmer's Club.



OFT on Cultivation of French bean under No-till in maize fallow



FLD on Popularization of SRI for increasing yield of rice



- DEDs programme (Dairy Loan) Rs. 10 lakhs @ Rs.2 lakh per farmer (4SC & 1 OBC) under NLM, NABARD and technical support by KVK, Imphal East (Andro).
 - ED & EG, Piggery Loan Rs.40 lakh with 35% subsidy by NABARD for 4 progressive Piggery farmer @ Rs.10 lakh per farmer by MRB, Imphal East.
 - MUDRA Loan Rs.1,00,000 @ Rs.50,000/- per member of SHG of Ngamukhong under KVK, Imphal East technical support.
- h. 100 nos. of poultry and 5400 fingerlings had been distributed to 13 farmers.
 - i. Total income of adopted villages (Megagre Songgitcham & Megagre Songgital) had increased to more than 5 % after KVK intervention (OFT, FLD & other extension activities).
 - j. 309 nos. of extension activities had been conducted including 82 no. of mobile advisory services with a total of 7270 beneficiaries.
 - k. 12 nos. of extension literature and 3 popular articles had been published.

KVK-East Garo Hills, Meghalaya

- a. A total of 13 nos. of OFTs had been conducted with 55 beneficiaries.
- b. 16 FLDs had been conducted with 95 beneficiaries.
- c. 33 Farmers & Farm Women trainings with 962 farmers, 27 Rural Youth trainings with 839 beneficiaries and 4 extension personnel training with 64 participations were conducted.
- d. 21 nos. of lectured had been delivered to programme organised by line departments, NGOs viz. Bakdil etc. with a total of 511 beneficiaries.
- e. 3 Kisan Melas under Jal Shakti Abhiyaan had been conducted at all 3 blocks of East Garo Hills viz. Samanda, Rongjeng and Songsak in presence of Special Dignitary, Hon.ble MP, Tura, Director, ATARI, Zone-VI, Director (EE), CAU, Imphal and MLA, Rongjeng with a total of 1942 participants and DC, EGH etc.
- f. 487 Nos. of planting material had been distributed with 104 beneficiaries and 0.5 quintal of seeds had been distributed to 43 farmers.
- g. 120 nos. of sample and 10 water samples had been collected and analyzed at ICAR-Research centre at Tura, Meghalaya.

KVK-South Garo Hills, Meghalaya

- a. During 2019-2020, a total number of 20 species and 30 specimen of fish was collected from 6 different rivers and streams for fish cataloguing and prepared fish museum under South Garo Hills District of Meghalaya.
- b. Received four individual Awards (Above and Beyond Award, Outstanding/Best KVK Scientist Award - Best Extension Professional Award by Dr. Athokpam Haribhushan, Senior Scientist & Head & Best Oral Presentation by Bishorjit Ningthoujam, SMS-Agril Engg) from National and International Societies.
- c. Conducted 8 numbers of Vocational training programmes benefitted about 260 rural youth of the District.
- d. Conducted 11 numbers of sponsored programmes benefitted about 2183 including rural youth, farmers and farm women.
- e. 40,100 numbers of quality planting materials was produced during the year 2019-2020 and benefitted about 85 farmers and farm women.



- f. 230 q of rice seed was produced with participatory mode and benefitted about 60 farmers and farm women.
- g. Under different extension activities, 780 numbers of programmes was achieved benefitted about 14,216 including rural youth, farmers and farm women.
- h. Under Mega tree plantation campaign , fruit and other tree species was distributed to 144 farmers and farm women.
- i. Distributed agricultural inputs like seeds, planting materials, small farm tools like Garden Rake, Knapsack sprayer, Sickle with handle, Hand Digging Trowel, Hand Weeding Fork, Spade with handle Protray, organic inputs like pheromone trap and Neemazol sponsored by IISS, ICAR seed project under NEH component benefitted about 769 rural youth, farmers and farm women
- j. Artificial Insemination of cattle was conducted under NADCP programme participated about 120 farmers and farm women. Twelve numbers of cattle was injected during the programme
- k. 26 numbers of Leaflet /Folder and Training Manual was published during the year 2019-2020 benefitted about 8,200 rural youth, farmers and farm women and extension functionaries.
- c. Capacity Development of Farmers, farm women, rural youth and Extension Personnel: This KVK organized 55 various types of training programmes benefiting 1279 farmers.
- d. This KVK has published 12 numbers of leaflet on different topic in regional and English language and copy of 2400 were distributed to the farmers.
- e. In cereal the farmers are now using latest high yielding varieties and technologies evolved by ICAR and CAU(I) like Tripura Nirog, Gomati and CAU- R1
- f. In Animal husbandry the farmers are aware of AI (Artificial Insemination), FMD, Brucellosis and others common diseases
- g. In Horticulture the farmers have become well aware of preparation of nursery bed for raising brinjal seedling, used of balance fertilizer in vegetables and fruit crops.
- h. High density and staggered planning in pineapple (queen variety) are popularized in the district.
- i. Farmers developed mushroom unit with the motivation and guidance of KVK, Sepahijala
- j. Prior to the establishment of this KVK, farmers were only using nitrogenous fertilizer (urea) in large quantities but now farmers are well aware of balance fertilizer used in cereals and vegetable crops.
- k. Award: 3rd position on exhibition stall, CAU-Regional Agri Fair 2019-20.
- l. Kisan Mela was held on 9th November 2019 with a participation of 300 farmers.

KVK-Sepahajala, Tripura

- a. A total of 11 technologies of various crops/ animal science/enterprises were assessed in Sepahijala District by KVKs through conducting of 72 trails on the farmers' field to identify their location specificity under different farming systems.
- b. Frontline demonstrations (FLD) were conducted with the participation of

EXTENSION ACTIVITIES



FLD: Mustard var. NRCHB 101 with organic practices



FLD: Popularization of Jayanti Rohu in Composite Fish Culture System



Transplanting of brinjal in main field



Harvesting of brinjal



4.IO. Extension Activities at Constituent Colleges

College of Agricultural Engineering and Post-Harvest Technology, Ranipool, Sikkim

1. Conducted 65 nos. of FLDs for 16 nos. technologies with 818 participants (510 male and 308 female) under the AICRP-ESA, -UAE, and -FIM.
2. College participated in 2 Kisan Melas including CAU Regional Agri Fair and also organized one (1) Technology & Machinery Demonstration Mela and total 250 nos. of participants attended the mela.
3. Organized 4 nos. of on-campus training programme for farmers and farm women with 45 male and 65 female participants.
4. Organized 4 nos. of off-campus training programme for farmers and farm women with 16 male and 32 female participants.
5. Total of 4 sponsored program for officers of line departments were taken up. These programs were sponsored by ICAR-ATARI Zone VII, MANAGE and AICRP. Total 433 officers participated in the program.
6. Organized 4 nos. of Awareness Prog/ Field Day/Health Camp for farmers and students with 229 male and 130 female participants.
7. Celebrated farmers day with 64 nos. of farmers as participants.
8. Celebrated world soil day with 33 nos. of farmers as participants.
9. Organized 9 nos. Exposure Visit of Progressive Farmers with 287 nos. of participants.
10. Four (4) success stories on "Nursery raising of vegetables crops", "Protective cultivation of tomato with plastic mulch & gravity fed drip irrigation", "Innovative





Organic Farming Technique for Red Pepper (Dallay) in Sikkim” and “Use of innovative idea for transportation of fodder and improved equipment for enhancing income” were also documented and reported during this period 2019-20.

11. Published 8 extension reading materials in English for farmers.
12. Total resource generated Rs. 18,903 out of the sale of Hand Tools, Implements, Farm Produce & Misc. Items from ATIC.

College of Horticulture and Forestry, CAU, Pasighat, Arunachal Pradesh

1. Organized 13th CAU-Regional Agri Fair-2019-20 participating 1020 no. of farmers/ Rural Youths/EF/NGOs.

2. Organized 6 nos. of on campus training programme for farmers and farm women with 80 male and 119 female participants.
3. Organized 1 nos. of off campus training programme for farmers and farm women with 14 male and 17 female participants.
4. Organized 2 nos. of Awareness Prog/ Workshop for farmers and students with 46 male and 3 female participants.



13th CAU-Regional Agri Fair-2019-20



A training on Container vegetable gardening at CHF, Pasighat



One Field Day on Mushroom demonstration programme at Miglong Village, East Siang District, Arunachal Pradesh



5. Organized 1 no. of training programme for Personnel of Line Department/ KVK SMSs with 14 male and 14 female participants.
6. Celebrated world soil day with 33 nos. of farmers as participants.
7. Organized 1 nos. Exposure Visit of Progressive Farmers with 62 nos. of participants.

College of Agriculture, Iroisemba, Imphal

1. College bagged First Best Stall Award during CAU Regional Agri Fair 2019-20 organized by DEE, CAU at CHF, Pasighat w.e.f., Nov. 11-13, 2019.
2. Progressive farmer of the State of Manipur, Mr. Tomba Singh stood at 3rd position in Crop Exhibition competition held during CAU Regional Agri Fair 2019-20 organized by DEE, CAU at CHF, Pasighat w.e.f., Nov. 11-13, 2019.
3. First State Level Mango Diversity Fair 2019 was organized by the College on July 2, 2019 and total 75 farmers participated (Male- 59; Female-16).
4. Conducted 6 nos. on-campus Demonstration of New Technology with 6511 male and 3114 female participant, and one off-campus with male 21 and female 9 participants.
5. Organized 4 nos. of on-campus training

programmes for farmers and farm women with 260 participants (Male- 155; Female-105).

6. Organized 40 nos. of Awareness Prog/ Field Day/Health Camp for farmers for farmers/farm women/students with 1099 male and 561 female participants.
7. Celebrated world soil day with 60 nos. of farmers as participants.
8. Organized 1 no. Exposure Visit of Progressive Farmers with 10 nos. of participants.
9. Organized International Women Day on March 05, 2019 with 320 farm women.
10. College also organized Interface Meeting on "Problems and Strategies for Development of Agriculture and Allied Sectors in Manipur" for the year 2019-20 on January 23, 2020.

College of Community Science, CAU, Tura, Meghalaya

1. Conducted 5 nos. Demonstration of New Technology of with 82 male and 17 female participants.
2. Organized 3 nos. Informal Education for Farmers with 1 no. of male and 59 nos. of female participants
3. Organized 1 no. of Awareness Prog for farmers with 56 female participants.



First State Level Mango Diversity Fair 2019 held on July 2, 2019



Observation of "World Soil Health Day" on Dec. 05, 2019 at Yumnam Huidrom, (Model Village) Imphal West



Introducing fruit plantation of Papaya, Tree Bean and Citrus (Orange, Khasi lemon) at Yumnam Huidrom, Model Village, Imphal West



4. Organized 4 nos. of training programme for Extension personnel with 37 nos. of male and 30 nos. of female participants.
5. Smt. Baldilla T. Sangma, one of the successful trainees of the college, received an Award of Recognition for "Promotion of Organic Value-Added Products and Women Entrepreneurship" on August 15, 2019 from the Deputy Commissioner, West Garo Hills, Meghalaya. She was also selected among the top 100 applicants for Chief Minister's E-Champion Challenge in Nov. 2019. She was awarded Rs 1,00,000/- (Rupees One lakh) as the winner among top 25 contestants for Chief Minister's E – Championship in January 2020.
 - College also participated in "CAU-Regional Agri Fair 2019-20" organized by DEE, CAU, Imphal at CHF,

Pasighat during Nov. 11-13, 2019 and Exhibition Stall adjudged with Third Position among the constituent colleges.

- Two number of trainees (trained under training programme funded by PFC, New Delhi), Ms. Niree D. Marak and Ms. Crenitha M. Sangma, attended the CAU-Regional Agri Fair (2019-20) and presented their work and were awarded with appreciation certificates for their contribution.
- The College participated in two State level Exhibitions – One District level Mela at Tura and another in Agri Innovation Expo at College of Agriculture, CAU, Kyrdemkalai, Meghalaya.
- Apart from these College also organized diff. other progs. viz., 'Breast Feeding week', 'National Girl Child day', 'Nutrition month' with 150 nos. of participants, 'International Women's day' with 5 nos. male and 95 nos. of female participants and 'World Consumer Rights Day'.
- An amount of Rs 80, 605/- as resource / revenue was generated through sale of products prepared by the participants of various training programmes organized in the College during the financial year 2019-2020.
- Published 13 extension reading materials in English for the farmers and farm women.

College of Fisheries, Lembucherra

1. Conducted 6 nos. Demonstration of New Technology of with 562 nos. farmer and farm women.



Training on "Breeding of Gold fish & angel fish and aquarium management



Training Programme on "Design and construction of freshwater pond and carp hatchery



Mass plantation at Mohonpur subdivision, West Tripura District

2. Organized Exhibition/ Agri Fare/ Krishi Unnati Mela with 400 nos. of farmer and farm women.
3. Organized world soil days with 30 nos. of farmer and farm women.
4. Cerebrated farmers day with 205 nos. of farmer and farm women.
5. Organized 2 nos. of exposure visit for farmers with 22 nos. participants.
6. Organized 8 nos. of Awareness Programme/ Field Day/ Health Camp with farmer, farm women and rural youth
7. Organized 3 nos. of training programme for Extension personnel with 25 nos. of male and 11 nos. of female participants.
8. Organized 1 no. of vocational training with 09 nos. of rural youth.

College of Post-Graduate Studies in Agricultural Sciences, CAU, Imphal

1. Organized 2 nos. of Exhibition/ Agri Fare/ Krishi Unnati Mela with 33 nos. of farmer and farm women.
2. Organized 4 nos. training for farmer and farm women with 30 nos. of male and 63 nos. of female participant.
3. Organized 25 nos. of Awareness Programme/ Field Day/ Health Camp with 844 nos. farmer, farm women and rural youth.
4. Organized 1 no. of training programme for Extension personnel with 13 nos. of male and 12 nos. of female participants
5. Cerebrated world soil day with 50 nos. of farmer and farm women.



Distribution of potato tuber-seed to farmers of Shora, East Khasi Hills in collaboration with RKM, Cherapunjee



Distribution of CAUR1 seeds to farmers of Jowai, West Jaintia Hills, Meghalaya



Tree Plantation at Mawphrow village, Ri-Bhoi District, Meghalaya under Model Fruit Village Dev. Programme



6. Total resource generated Rs. 15,000 out of the sale of planting materials etc.

College of Veterinary Sciences & AH, CAU, Selesih, Aizawl, Mizoram

- Three institutional extension projects viz., m4agri, R-ABI and Weavers Program of DIC are presenting undergoing in the College under the coordination and monitoring of the Directorate of Extension Education, CAU (Imphal).
- College has generated resource of Rs. 2,05,994 from different activities during the financial year.
- Rs. 81,030 revenue has been generated under revolving fund of TVCC during the reporting year and the balance as on March 31, 2020 is Rs.1,68,900.
- College providing mobile based advisories to the farmers of Mizoram through m4agri project.
- Entrepreneurship training to the youths to start business through business incubator under R-ABI (RAFTAAR).
- The College has organized 3 demonstrations (65 farmers benefitted), 6 trainings (180 farmers benefitted), 10 awareness programmes (727 farmers benefitted), and 7 Animal Health Camps for farmers.
- The College has also organized 3 different training programmes for staff of line departments and KVK personnel. Total 48 (M- 34; F- 14) participants attended the programmes.
- Certificates were awarded to 99 (M=32, F=67) farmers under 2 distance education programmes on "Piggery Farming" and "Poultry farming" in local language (Mizo).
- Organized Exhibitions and Kisan Gosthis In the Exhibitions and Kisan Gosthis, more than 1000 nos. of farmers attended and visited the exhibitions.
- The College celebrated World Zoonoses Day (112 dogs vaccinated), World Rabies Day (116 dogs vaccinated), World Veterinary Day, World environment Day, International Yoga Day, Cleanliness Drive etc.
- The College supplied 31 piglets, and 400 kg feed and mineral mixture to the farmers of Muthi and Ramthar Village under NEH component in collaboration with NDRI, Kalyani.
- Tested 7 feed samples for the farmers and also distributed medicines and supplements to beneficiaries under different programmes.



One day workshop on Mobile Based Agronomy



Animal Health Camps cum Exhibition



Distribution of Piglets in collaboration with NDRI, Kalyani



13. Mobile advisories were provided to the farmers and one ICT lab also established to facilitate the advisory services.
14. Published 5 extension reading materials both in English and Mizo languages for farmers.

College of Agriculture, Kyrdemkulai, Meghalaya

1. Conducted 1 nos. Demonstration of New Technology of with 30 male and 30 female participants.
2. Organized 6 nos. of on campus training programme for farmers and farm women with 148 male and 180 female participants.
3. Organized 4 nos. of Awareness Prog/ Field Day/Health Camp for farmers and students with 30 male and 30 female participants.
4. Organized 1 no. of vocational training programme for famers and rural youth with 30 male and 30 female participants.
5. College also participated in the CAU Regional Agri Fair 2019-20 at CHF, Pasighat.

College of Agriculture, CAU, Pasighat

1. Organized 1 nos. of on campus training programme on "Advances in production technology of oilseed crops" and total 19 farmers and rural youth (2 male and 17 female) participated.



2. Organized 1 no. vocational training programme on "Horticulture nursery as production enterprise" w.e.f., Feb. 1 – March 16, 2020 and total 7 famers and rural youth (01 male and 6 female) participated from 5 villages of East Siang District.
3. College also participated in the CAU Regional Agri Fair 2019-20 at CHF, Pasighat.

College of Veterinary Sciences & AH, CAU, Jalukie, Peren, Nagaland

1. A total of 13 artificial inseminations have been carried out in pigs.
2. Six free Animal Health-cum-vaccination camps were organized in seven villages.
3. College distributed 50 piglets, feeds and mineral mixture to the farmers of New chalkot village in collaboration with NDRI, Kalyani, WB.



Integrated agriculture and rural bio-entrepreneurship for doubling the farmers income



Brainstorming cum Workshop on Integrated Farming System and Rural Bio-Entrepreneurship through application of Farm Development Card



Field day on "Production technology of maize and rice"

EXTENSION ACTIVITIES



Animal Health Camp-cum Dog show conducted at Mon District of Nagaland



Piglets distribution Programme in Collaboration with NDRI, Kalyani



Artificial insemination in Pig and First AI born piglets at LFC, COVSC & AH, Jalukie

4. College also participated in the CAU Regional Agri Fair 2019-20 at CHF, Pasight.

College of Horticulture, Thenzawl, Mizoram

1. College organized two nos. of three days on-campus training programmes on “Soil Fertility and Nutrient Management for Horticultural Crops” and “Horticultural Crops Suitable for Thenzawl Climatic Condition” during Feb. 4-6, 2020 and March 11-13, 2020, respectively with 30 farmers in each programme.
2. College organized a one day awareness workshop programme on “Fuel Conservation (Funded by – Petroleum Conservation Research Association (PCRA), Govt. of India)” on March 11, 2020 at where all the students and farmers participated along with poster competition.
3. College also organized an interactive session of students, particularly for civil services exam, ARS/Agricultural Higher education etc. on March 12, 2020 where all the students participated.
4. College also participated in the CAU Regional Agri Fair 2019-20 at CHF, Pasighat.

A. Extension/Adaptive Research Projects

At present total **30 (thirty)** externally funded **extension research/adaptive research projects** are monitoring by the Directorate of Extension Education, CAU with total financial outlay of **Rs. 15.58** crores supported by MoAF&W (RKVY), ICAR-DRMR, DIC, ICAR-NBAIR, ICAR-IGFR, NBB, ICAR-IVRI, DST, DBT, NMHS G.B. Pant Institute of Himalayan & Env. & Dev., CRIDA, NFSM, NMOOP, ASCI, ICAR-ATARI Zone VII, NICRA, Ministry of Jal Shakti, NABARD, NFDB, PCRA. IIS, NCIPM, PKVY, IARI, ICAR- VPKAS, MANAGE, MoFAH&D.

B. Extension Units of the University

University has started **six (6)** Multi Technology Testing Centres (**MTTCs**) and six (6) Vocational Training Centres (**VTCs**) at CHF, Arunachal Pradesh. COA, Manipur, CCSc, Meghalaya, CVScAH, Mizoram, CAEPHT, Sikkim and COF, Tripura.

C. ICT based Extension Services

University has started **ICT based extension services** through **m4agri project** supported by DIC, New Delhi in two states viz., Mizoram and Tripura. In total 6365 numbers of farmers registered and 5901 numbers of advisories issued to farmers on agri and allied sectors and also opened two (2) technological portals.



D. Awards/Recognition

1. **KVK- Imphal East**, CAU, Imphal received **Zonal Best KVK Award** i.e., Pandit Deen Dayal Upadhyay Krishi Vigyan Protshanhan Puraskar 2019 under Zone VII for their outstanding activities last five years.
2. **KVK Imphal East**, CAU received **1st Best Stall Award** under KVK category during the State Level Kisan Mela 2019 and **CAU, Imphal** received **3rd Best Stall Award** under Institution category during the **State Level Kisan Mela 2019** organized by ICAR, Manipur Centre; **KVK Imphal East**, CAU received **1st Best Stall Award** under KVK category during the CAU- Reginal Agri Fair, 2019- 20, organized by CAU, Imphal and **KVK Imphal East**, CAU received **1st Best Stall Award** during State Agricultural Fair, 2019 organized by SAMETI, Manipur. **Best KVK award** received by CAU- KVK- East Siang for effective implementation of **CFLD in Toria** by ICAR-ATARI Zone VI.
3. Two **Honey Processing Units** established at COA, Imphal and CHF, Pasighat under the project entitled “Integrated Beekeeping Development Centre (Centre of Excellence)” with financial support of National Bee Board, New Delhi.

E. Village Adoption Activities

1. Total **57 nos.** of villages adopted by different colleges and KVKs located in different states of NE Region except Assam under MGMG/Fruit village/DFI/Organic village/NICRA village programmes.
2. Total Planting materials (Vegetable + Flower + Fruit Seedling) =2,11,860 nos.; Quality Seed (Paddy + Vegetable + Spices) = 169.59 quintal.; Rabbit=12 nos. were handed over to the farmers for improving their livelihoods.

3. Apart from these all the KVKs have also been adopting villages on an average 10 nos. per year to conduct their mandated activities.

F. Other Extension Activities

16 Farmers’ Field Days; 17 Kisan Gosthi/ Diwas; 08 Animal Health Camp; 29 Farmers Meeting/ Group Meeting; 16 Farmers Seminar; 38 Film Show; 81 Method Demonstration; 31 Swachhta Hi Seva; 6 Productivity Day & National Productivity Week; 10 Soil Health Camp; 28 Exposure Visit of Progressive Farmers and Extn. Personnel; 1462 Extension Advisory/ consultancy Services; 06 Jai Kisan Jai Vigyan week; 928 nos. of Soil & Water samples analysed and also Distribution Soil Health Card; Celebration of diff. important days viz., National Fish Farmers’ Day, World Zoonoses Day- 2019, World Rabies Day- 2019 and so on conducted/ organized by the Directorates, Colleges and KVKs.

4.II. Way Forward

1. **Application ICT through Mobile Agro Advisory (m4agri)** project for 4 states in collaboration with DIC, New Delhi-Manipur, Meghalaya, Sikkim, Arunachal Pradesh
2. **Knowledge partner-** Signing of MoU with Dept. of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Ministry of Agriculture and Farmers’ Welfare, Govt. of India as **Knowledge Partner** in the area of Agricultural Extension.
3. **CAU Technology Inventory-** Total 133 CAU Technologies were compiled and will be published as book entitled “**Inventory of CAU Technologies for NEH Region**” with ISBN.



4. **Training & Monitoring Cell-** Training & Monitoring Cell was approved and will be established in the Directorate of Extension Education, CAU, Imphal.
5. **Online Paid Vocational Courses-** Online Paid Vocational Courses will be conducted by VTCs.
6. **ASCI-** Online vocational training process as per ASCI guidelines will be conducted through CAU-VTCs & MTTCs of six (6) states viz., Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Sikkim, Tripura.
7. **Accreditation** of six (6) CAU- **Vocational Training Centres** at Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Sikkim, Tripura under **Agriculture Skill Council of India** (ASCI) of Ministry of Skill Development & Entrepreneurship (MSDE).
8. **Commercialization of Technology**
 - Signing of MOU with **Green Biotech EcoSolutions Pvt. Ltd.**, Imphal, Manipur for fish and animal feeds for commercialization of CAU technology.
 - Signing of MOU with **National Research Development Corporation** (NRDC), Govt. of India Enterprise under the Dept. of Science & Industrial Research, Ministry of Science & Technology for commercialization of CAU technology.
9. **Incubation Centres-** Incubation centres will be established in the different Colleges under CAU, Imphal.





HUMAN RESOURCE AND DEVELOPMENT

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I NSPITE of its remoteness and other location related disadvantages, the university maintained excellent academic environment in its constituent college campuses for professional success of the students. The comfortable staff per student ratio creates an engaged and interactive teaching environment. The University encourages and supports all the faculty members and staffs to attend trainings, conferences, seminars and workshops at national and international levels. Each constituent college arranges distinct on-campus and off-campus trainings of common interests by inviting experts from within and outside the University.

Table. 5.1. Staff details of Central Agricultural University, Imphal

Sl. No.	Headquarters/College	Administrative	Teaching	Non-Teaching		Total
				Tech	Non-tech	
1.	CAU Headquarters, Imphal	14	-	34	112	160
2.	Constituent colleges of CAU, Imphal	14	298	269	361	942
	Grand Total	28	298	303	473	1102

Table. 5.2. List of newly appointed employees

Sl. No.	Name of employee	Designation	Date of appointment	Date of joining
College of Fisheries, Lembucherra, Tripura				
1.	Dr. Gusheinzed Waikhom	Associate Professor	19.07.2019	26.07.2019(A/N)
2.	Dr. Ashok Chhetri	Assistant Professor	19.12.2019	23.12.2019 (A/N)
3.	Dr. Mahesh B. Tengli	Assistant Professor	19.12.2019	30.12.2019 (F/N)
4.	Dr. Vijay Kumar	Assistant Professor	19.12.2019	06.01.2020(A/N)
5.	Dr. Vinod Kumar Somashing Naik	Assistant Professor	19.12.2019	02.03.2020(F/N)
College of Agriculture, Imphal				
1.	Dr. Angad Prasad	Professor	19.07.2019	22.07.2019
2.	Dr. Sheikh Mohammad Feroze	Assoc. Prof	19.07.2019	22.07.2019
3.	Dr. Lokesh Kumar Mishra	Assoc Prof	19.07.2019	29.07.2019
4.	Dr. (Mrs) Ng. Piloo	Assoc Prof	19.07.2019	08.08.2019
5.	Dr. Shravan Manbhar Haldhar	Assoc Prof	19.12.2019	14.01.2020
6.	Dr. K. Maheshwari Devi	Asst Prof	19.07.2019	22.07.2019
7.	Dr. Kh. Stina	Asst. Prof	19.12.2019	21.12.2019
8.	Dr. Sumitra Phurailatpam	Asst. Prof	19.12.2019	23.12.2019
9.	Dr. Gayatri Kh.	Asst. Prof.	19.12.2019	23.12.2019

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Sl. No.	Name of employee	Designation	Date of appointment	Date of joining
10.	Dr. Abhinash Moirangthem	Asst. Prof	19.12.2019	23.12.2019
11.	Dr. Dipak Nath	Assoc. Prof	19.07.2019	05.09.2019
College of Food Technology, Imphal, Manipur				
1.	S. Tomba Singh	Assistant Registrar	29.01.2020	10.03.2020
2.	L. Nepolean Singh	Library Assistant	20.03.2020	21.03.2020
3.	N. Norendro Singh	Assistant	29.01.2020	05.02.2020
4.	L. Mangi Singh	Account Assistant	29.01.2020	04.02.2020
5.	M. Biren Singh	MTS	13.10.2019	13.10.2019
6.	H. Ibochouba Singh	MTS	13.10.2019	15.10.2019
College of Veterinary Sciences & AH, Selesih, Aizawl				
1.	Dr. Nancy Laldinpuii	Assistant Professor	16.08.2019	17.08.2019
2.	Dr. G. Bhuvana Priya	-do-	16.08.2019	26.08.2019
3.	Dr. Abhishek Paul	-do-	16.08.2019	30.10.2019
4.	Dr. Lalhmingsanga	-do-	19.12.2019	23.12.2019
5.	Dr. L. Devarishi Sharma	-do-	19.12.2019	23.12.2019
6.	Dr. Amarjeet Kumar	-do-	19.12.2019	26.12.2019
7.	Dr. Sawant Chandrakanta Gyanoba	-do-	19.12.2019	06.01.2020
8.	Dr. Rahul Sadhukan	-do-	19.12.2020	14.01.2020
College of Horticulture & Forestry, Pasighat, Arunachal Pradesh				
1.	Dr. Arunkumar Phurailatpam	Associate Professor	19.12.2019	20.12.2019 FN
2.	Dr. A. S. Mailappa	Associate Professor	19.12.2019	20.12.2019
3.	Dr. Priyanka Irungbam	Assistant Professor	19.12.2019	23.12.2019
4.	Dr. Thiyam Jefferson Singh	Assistant Professor	19.12.2019	23.12.2019
5.	Mr. Shankar Mayanglambam	Assistant Professor	19.12.2019	26.12.2019 FN
6.	Dr. Nimbolkar Prashant Kisan	Assistant Professor	19.12.2019	26.12.2019
7.	Dr. Ajaykumar K. M.	Assistant Professor	19.12.2019	31.12.2019
8.	Dr. Aatish Kumar Sahu	Associate Professor	19.12.2019	17.01.2020
9.	Mr. Sriprakash Singh	Accountant	29.01.2020	11.02.2020
10.	Smt. Sunita Singh	Multi Tasking Staff	29.05.2019	30.05.2019
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya				
1.	Dr. Mahesh Pathak	Professor	19.7.2019	26.7.2019
2.	Dr. R. K. Patidar	Associate Prof.	19.7.2019	26.7.2019
3.	Dr. Veronica Kadam	Assistant Prof.	19.7.2019	20.7.2019



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Sl. No.	Name of employee	Designation	Date of appointment	Date of joining
4.	Miss Bingjala Laloo	Assistant Prof.	19.7.2019	16.9.2020
5.	Dr. Pranab Dutta	Associate Prof.	19.7.2019	01.01.2020
6.	Dr. Hossain Ali Mondal	Associate Prof.	19.7.2019	09.01.2020
College of Community Science, Tura, Meghalaya				
1.	Dr. Sabyasachi Majumdar	Assistant Professor	23.12.2019	
2.	Dr. Rajkumari Padmini	Assistant Professor	26.12.2019	
3.	Dr. Samborlang K. Warmiang	Assistant Professor	27.12.2019	
4.	Dr. H.G. Kencharaddi	Assistant Professor	27.12.2019	
5.	Dr. Priyadarshini P Mohapatra	Assistant Professor	1.01.2020	
College of Agricultural Engg. & P.H.T., Ranipool, Sikkim				
1.	Dr. Narale Pradip Digambar	Assistant Professor	19.07.2019	20.07.2019
2.	Dr. Ph. Baleswor Sharma	Assistant Professor	19.07.2019	22.07.2019
3.	Dr. Kharpude Sudhir Narayan	Assistant Professor	19.07.2019	29.07.2019
4.	Dr. Shivam	Assistant Professor	19.07.2019	09.08.2019
5.	Dr. Diana Sagolsem	Assistant Professor	19.12.2019	23.12.2019
6.	Dr. Y. Rupert Anand	Assistant Professor	19.12.2019	30.12.2019
7.	Dr. Sunil Kumar Chongtham	Assistant Professor	19.12.2019	30.12.2019
8.	Dr. S. Vinodh	Assistant Professor	19.12.2019	09.01.2020
9.	Mrs. N. Chandrakala Devi	Field-cum-Lab. Asstt.	29.05.2019	18.06.2019
College of Veterinary Science & A.H., Jalukie, Nagaland				
1.	Dr. Udday Umrikar	Professor	21.05.2019	27.05.2019
2.	Dr. M.O. Kurien	Professor	22.06.2019	10.07.2019
3.	Dr. Arun Kumar Sangwang	Professor	17.08.2019	16.11.2019
4.	Dr. C. Veerapandian	Professor	14.10.2019	06.11.2019
5.	Dr. H. Gopi	Professor	24.01.2020	30.01.2020
6.	Dr. Bhabesh Mili	Assistant Professor	16.08.2019	17.08.2019
7.	Dr. K. Mahesh Singh	Assistant Professor	16.08.2019	17.08.2019
8.	Dr. Rajkumari Mandakini Devi	Assistant Professor	16.08.2019	17.08.2019
9.	Dr. K. Merina Devi	Assistant Professor	16.08.2019	17.08.2019
10.	Dr. Ningombam Bhumapati Devi	Assistant Professor	16.08.2019	17.08.2019
11.	Dr. Sashitola Ozukum	Assistant Professor	16.08.2019	17.08.2019
12.	Dr. Khwairakpam Ratika	Assistant Professor	16.08.2019	17.08.2019
13.	Dr. Tukeshwar Chutia	Assistant Professor	16.08.2019	17.08.2019

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Sl. No.	Name of employee	Designation	Date of appointment	Date of joining
14.	Dr. Raghubir Singh	Assistant Professor	16.08.2019	12.09.2019
15.	Dr. W. Ramdas Singh	Assistant Professor	16.08.2019	13.09.2019
16.	Dr. T. Gyaneshori Devi	Assistant Professor	16.08.2019	12.09.2019
17.	Mr. Oinam Romenchandra Singh	Junior Engineer	18.06.2019	27.04.2017
18.	Miss Aluina	Personal Assistant	24.12.2019	26.12.2019
19.	Mr. Senkalembe	Assistant	24.12.2019	14.01.2020
20.	Dr. Iluheibe	Livestock Assistant/ Farrn Manager	24.12.2019	26.12.2019
21.	Mr. Helungsuipoing Mbungtsa	Livestock Assistant/ Farrn Manager	24.12.2019	07.01.2020
22.	Mr. Inraibe Iheilung	Field-Cum-Lab- Assistant	24.12.2019	27.12.2019
23.	Mr. Kekhriesielie	Field-Cum-Lab- Assistant	24.12.2019	04.01.2020
24.	Miss Ekeisi Siarau	Field-Cum-Lab- Assistant	24.12.2019	04.01.2020
25.	Miss Catherine Humtsoe	Field-Cum-Lab- Assistant	24.12.2019	10.01.2020
26.	Miss Aditi Gogoi	Field-Cum-Lab- Assistant	24.12.2019	10.01.2020
27.	Miss Grace P.Phom	Library Assistant	24.12.2019	08.01.2020
28.	Mrs. Rahaveinai Sushinta Kiyaomai	Female/Male Health Worker	24.12.2019	31.12.2019
29.	Mr. Njumthung Kithan	Lower Division Clerk	24.12.2019	26.12.2019
30.	Mr. Rezubeu Hegwang	Lower Division Clerk	24.12.2019	26.12.2019
31.	Mr. Lungkemrakpe	Lower Division Clerk	24.12.2019	26.12.2019
College of Agriculture, Pasighat, Arunachal Pradesh				
1.	Dr. Gireesh Chand	Professor	19.12.2019	01.01.2020
2.	Dr. L. Geetarani Devi	Assistant Professor	19.12.2019	20.12.2019
3.	Dr. Khwairakpam Lily Devi	Assistant Professor	19.12.2019	24.12.2019
4.	Dr. Denisha Rajkhowa	Assistant Professor	19.12.2019	26.12.2019
5.	Dr. Bapsila Loitongbam	Assistant Professor	19.12.2019	26.12.2019
6.	Dr. Pavankumar Goudar	Assistant Professor	19.12.2019	30.12.2019
7.	Dr. Mahesh Kumar	Assistant Professor	19.12.2019	06.01.2020
College of Agriculture, Kyrdemkulai, Meghalaya				
1.	Dr. Ngangom Uma Devi	Assistant Professor	19.12.2019	24.12.2019
2.	Dr. L. S. Singh	Assistant Professor	19.12.2019	24.12.2019



Sl. No.	Name of employee	Designation	Date of appointment	Date of joining
3.	Dr. M. Premi Devi	Assistant Professor	19.12.2019	23.12.2019
4.	Dr. Amit Sahani	Assistant Professor	19.12.2019	13.01.2020
5.	Dr. P. P. Mohapatra	Assistant Professor	19.12.2019	01.02.2020
6.	Dr. Padamini Devi	Assistant Professor	19.12.2019	01.02.2020
7.	Dr. Samborlang K. Wanniang	Assistant Professor	19.12.2019	01.02.2020
8.	Dr. S. Majumdar	Assistant Professor	19.12.2019	01.02.2020
9.	Dr. Hanamaraddi Kencharaddi	Assistant Professor	19.12.2019	01.02.2020
College of Horticulture, Thenzawl, Mizoram				
1.	Dr. V. S Devadas	Professor	05.12.2019	18.01.2020
2.	Dr. Lalrinsangpuii	Assistant Professor	20.12.2019	20.12.2019
3.	Dr. Rojeet Thangjam	Assistant Professor	20.12.2019	26.12.2019
4.	Ms. Esther Lalruatsangi	Assistant Professor	20.12.2019	10.01.2020
5.	Ms. B. Vanlalneihi	Assistant Professor	20.12.2019	16.01.2020
6.	Ms. SaidingpuiiSailo	Account Assistant	01.02.2020	06.02.2020
7.	Dr. L. Devarishi Sharma	Assistant Professor	20.12.2019	23.12.2019
8.	Dr. Lalmingsanga	Assistant Professor	20.12.2019	23.12.2019
9.	Dr. Amarjeet Kumar	Assistant Professor	20.12.2019	26.12.2019
10.	Dr. Sawant Chandrakant Gyanoba	Assistant Professor	20.12.2019	06.01.2020
11.	Mr. Rahul Sadhukhan	Assistant Professor	20.12.2019	14.01.2020

5.3. List of Resigned/Retired Demised Employees

Sl. No.	Name of employee	Designation	Date of Resignation/Retirement/ Demise
CAU Headquarters, Imphal			
1.	Md. Sweet Ali	Asst. Registrar (Estt.)	30.09.2019 (Voluntary Retired)
College of Agriculture, Imphal			
1.	Dr. M.K. Gupta	Prof. (Entomology)	31.05.2019 (Retired)
2.	Shri O. Nirmalkumar Singh	Assoc Prof. (SSAC)	29.02.2020 (Retired)
3.	Shri A. Ranjit Singh	Lab. Assistant	30.06.2019 (Retired)
4.	Shri Y. Munaltombi Singh	Electrician	31.12.2019 (Retired)
5.	Smt. P. Lijiisa	Accountant	29.02.2020 (Retired)
6.	Shri N. Parshuram Singh	MTS	29.02.2020 (Retired)
7.	Shri Paominthang Gangte	MTS	08.11.2019 (Demised)
College of Veterinary Science & A.H., Selesih, Aizawl			
1.	Dr. Altaf Malik	Professor (contract)	16.01.2020



Sl. No.	Name of employee	Designation	Date of Resignation/Retirement/Demise
College of Horticulture & Forestry, Pasighat			
1.	Dr. Ngangbam Piloo	Associate Professor	08.07.2019 (Technical Resignation)
2.	Dr. Raghubir Patidar	Assistant Professor	25.07.2019 (Technical Resignation)
3.	Shri. L. Mangi Singh	UDC	02.01.2020 (Technical Resignation)
4.	Mrs. Kalpana Borang	UDC	02.01.2020 (Technical Resignation)
5.	Mr. Udit Kumar Borah	UDC	02.01.2020 (Technical Resignation)
College of Fisheries, Lembucherra, Tripura			
1.	Mr. Jayanta Meetei	Jr. Library Assistant	16.04.2019 (Demised)
2.	Dr. Atanu Sarkar	Professor	04.06.2019(Retired)
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya			
1.	Mr. Bijon Nongsiej	MTS	26.05.2019
College of Community Science, Tura, Meghalaya			
1.	Dr. Lokesh K. Mishra	Assistant Professor	July 2019 (Technical Resignation)
2.	Dr. L. D. Hatai	Assistant Professor	September 2019 (Technical Resignation)
3.	Prof. Ranjan S. Karippai	Professor	30.11.2019 (Resignation)
College of Horticulture, Thenzawl, Mizoram			
1.	Dr. Thangjam Subhalakshmi	Assistant Professor (Contract)	13.01.2020 (Resignation)
2.	Dr. S. Herojit Singh	Assistant Professor (Contract)	22.11.2019 (Resignation)

5.4. List of Transfers

SL. No.	Name of employee	Designation	Place of Transfer	Date of Transfer
CAU Headquarters, Imphal				
1.	Shri. Ch. Chittaranjan	AE	COA, Imphal	24.09.2019
2.	Shri. Ph. Rahulnath Sharma	LDC	COA, Imphal	24.10.2019
3.	Shri. M. Biren Singh	MTS	CFT, Lamphelpat, Imphal	30.11.2019
4.	Shri. H. Ibochouba Singh	MTS	CFT, Lamphelpat, Imphal	30.11.2019
College of Agriculture, Imphal				
1.	Shri L. Bobby Singh	Assistant Engineer	CAU, HQ, Imphal	24.09.2019
2.	Shri Chunglenthang Kon	L.D.C.	CAU, HQ, Imphal	24.10.2019
3.	Shri L. Napoleon Singh	Liby. Asst.	College of Food Technology, Imphal	24.01.2020
4.	Dr. Dipak Nath	Associate Professor	CAU, HQ, Imphal	24.09.2019



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SL. No.	Name of employee	Designation	Place of Transfer	Date of Transfer
College of Veterinary Science & A.H., Selesih, Aizawl				
1.	Km. Saidingpuii Sailo	Account Assistant	College of Horticulture, Thenzawl	01.02. 2020
2.	Shri Th. Mangi Singh	Account Assistant	Director of Research Office	-do-
3.	Smt. R. Vanlalruati	Account Assistant	CPGS, Barapani	-do-
4.	Smt. H. Lalrammawii	Account Assistant	College of Agriculture, Kyrdemkulai	-do-
5.	Shri R.K. Manisana Singh	Assistant	Directorate of Instructions	-do-
College of Horticulture & Forestry, Pasighat				
1.	Shri L. Mangi Singh	UDC	College of Food Technology, Imphal	02.03.2020
2.	Mrs. Kalpana Borang	UDC	College of Agriculture, Pasighat	02.01.2020
3.	Mr. Udit Kumar Borah	UDC	College of Agriculture, Pasighat	02.01.2020
College of Agricultural Engineering & PHT, Ranipool, Sikkim				
1.	Mrs. Sarah SangayLepcha	Assistant	College of Horticulture, Bermiok	03.02.2020
2.	Mrs. Elizabeth K. George	Accts. Asstt.	College of Horticulture, Bermiok	12.02.2020
College of Community Science, Tura, Meghalaya				
1.	Kh. Meghachandra	Assistant	CAU, H.Q. Imphal	05.02.2020
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya				
1.	Sh. Kh. Somorendro Singh	Head Assistant	Registrar's office	29.01.2020
2.	Sh. Sriprakash Singh	Accountant	CoHF, Pasighat	29.01.2020
3.	Miss R. Vanlalruati	Account Assitant	CPGSAS	01.02.2020
College of Horticulture, Thenzawl, Mizoram				
1.	Dr. Sapam Rajesh Kumar Singh	Assistant Professor	COH, Sikkim	20.12.2019
2.	Dr. Yamuna Pandey	Assistant Professor	COH, Sikkim	20.12.2019
3.	Dr. Pryankalrungbam	Assistant Professor	CHF, Pasighat	20.12.2019

5.5. List of Promotions

Sl. No.	Name of employee	Designation	Promoted to	Date of promotion
CAU Headquarters, Imphal				
1.	Md. Riyajuddin	Private Secretary	Assistant Registrar (Acad.)	29.01.2020
2.	Shri. Lunkhothang	-do-	Assistant Registrar (Estt.)	-do-
3.	Shri. S. Tomba Singh	-do-	-do-	-do-
4.	Shri. Th. Priyananda	-do-	-do-	-do-

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Sl. No.	Name of employee	Designation	Promoted to	Date of promotion
5.	Shri. Kh. Saratkumar Singh	Assistant	Head Assistant	-do-
6.	Smt. M. Rebika Devi	-do-	-do-	-do-
7.	Shri. A. Surjit Singh	Accountant Assistant	Accountant	-do-
8.	Smt. Y. Gunabati Devi	-do-	-do-	-do-
9.	Smt. A. Ilen Devi	-do-	-do-	-do-
10.	Md. Azad Khan	-do-	-do-	-do-
11.	Shri. L. Ibomcha Singh	-do-	-do-	-do-
12.	Shri. N. Norendro Singh	UDC	Assistant	01.02.2020
13.	Shri. L. Homeshwar Singh	-do-	Account Assistant	-do-
14.	Shri. L. Momon Singh	-do-	-do-	-do-
15.	Shri. Y. Sanjoy Meitei	-do-	-do-	-do-
16.	Shri. Th. Sanatomba Singh	-do-	-do-	-do-
17.	Smt. L. Sonia Devi	-do-	-do-	-do-
18.	Shri. Ch. Ibungo Singh	-do-	-do-	-do-
College of Agriculture, Imphal				
1.	Dr. S. Ranjita Devi	Medical Officer (T-6)	T-7-8 (w.e.f. 11.06.2017)	17.12.2019
2.	Shri M. Hemchandra Singh	Librarian (T-6)	T-7-8 (w.e.f. 08.09.2014)	17.12.2019
3.	Smt. T. Nolini Devi	Sr. LibyAsst (T-6)	T-7-8 (w.e.f. 09.11.2018)	17.12.2019
4.	Smt. W. Gitabali Devi	Sr. LibyAsst (T-6)	T-7-8 (w.e.f. 16.11.2018)	17.12.2019
5.	Smt. M. Sobita Devi	Liby. Asst. (T-6)	T-7-8 (w.e.f. 25.01.2019)	17.12.2019
6.	Smt. O. Sarojkumari Devi	a)Liby Asst.(T-5) b)LibyAsst (t-6)	T-6 (w.e.f. 25.01.2014) T-7-8 (w.e.f. 25.01.2019)	17.12.2019 17.12.2019
7.	Smt. I. Purnima Devi	Private Secretary	Asst. Registrar (Acad) 31/1/2020	17.12.2019
8.	Smt. R.K. Muktabali Devi	a) Assistant (PML6) b) Assistant	Assista(PML-7) (15.02.2019) Head Assistant wef 31/01/2020	17.12.2019 29.01.2020
9.	Shri Y. Ranjit Singh	U.D.C. (PML-6)	UDC(PML-7) (w.e.f. 2/11/2014)	17.12.2019
10.	Ch. Indreswar Singh	Compounder/Dresser (T-4)	T-5 (w.e.f. 10/11/2016)	17.12.2019
11.	Smt. L. Zimik	FCLA (T-3)	FCLA(T-4) wef 19/04/2018	17.12.2019
12.	Smt. Th. Jayshree Devi	FCLA (T-3)	FCLA(T-4) wef 07/05/2018	17.12.2019



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Sl. No.	Name of employee	Designation	Promoted to	Date of promotion
13.	Shri Th. Sobha Singh	FCLA (T-3)	FCLA(T-4) wef 04/07/2018	17.12.2019
14.	Shri L. Rohendro Singh	FCLA (T-3)	FCLA(T-4) wef 01/06/2019	17.12.2019
15.	Shri A. Ashok Kumar Singh	a) Junior Steno. (PML-5) b) Jr. Steno	Jr. Steno (PML-6) wef4/7/2017 Sr. Steno w.e.f. 3/2/2020	17.12.2019 01.02.2020
16.	Shri K. Achouba Singh	Driver (T-4)	Driver (T-5) wef 19/06/2015	17.12.2019
17.	Shri K. S. Somi	T/Driver (T-4)	T/Driver (T-5) wef19/06/2015	17.12.2019
18.	Shri M. Priyokumar Meitei	Med. Attd (T-3)	Med. Attd. (T-4) w.e.f. 21/02/2019	17.12.2019
19.	Shri M. Radhabinod Singh	Security Guard (PML-2)	Sec. Gd (PML-3) wef 14/11/2016	17.12.2019
20.	Shri P. Surendra Singh	Security Guard (PML-2)	Sec. Gd (PML-3) wef 10/11/2016	17.12.2019
21.	Y. Tahira Begum	MTS(PML-1)	MTS (PML-2) wef 10/11/2016	17.12.2019
22.	Shri D. Gainamlung	MTS(PML-1)	MTS (PML-2) wef 03/11/2016	17.12.2019
23.	Shri N. Ibohal Singh	FA (T-5)	FA (T-6) wef 01/01/2016	17.12.2019
College of Community Science, Tura, Meghalaya				
1.	Devendra Kumar	P.S.	Assistant Registrar	30.01.2020
2.	Naorem Sanjit Singh	UDC	Assistant	03.02.2020
College of Horticulture and Forestry, CAU, Pasighat, Arunachal Pradesh				
1.	Mr. Ashok Kumar Singh	Private Secretary	Assistant Registrar (Estt.)	30.01.2020
2.	Mrs. Yamem Mibang	UDC	Accounts Assistant	01.02.2020
College of Fisheries, Lembucherra, Tripura				
1.	Dr. M. Tajendra Singh	Medical Officer	Level - 10 to 11	08.06.2017
2.	Shri Apurba Debnath	Private Secretary	Assistant Regitrar (Estt.)	29.01.2020
3.	Shri Kajol Chakraborty	Assistant	Head Assistant	29.01.2020
4.	Mr. A. Jayanta Meetei	Library Assistant	Level - 10 to 11	12.11.2018
5.	Mr. K. Guno Singh	Junior Engineer	Level - 6 to 7	26.04.2017
6.	Mr. Soumen Acharjee	Compounder	Level - 6 to 7	08.11.2016
7.	Mrs. Kimnagaihliam	Library Assistant	Level - 6 to 7	17.11.2016
8.	Mr. Umesh Kumar Khattri	Computer Operator	Level - 6 to 7	08.01.2019
9.	Mrs. Chandra Barman	Library Assistant	Level - 5 to 6	09.01.2019

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Sl. No.	Name of employee	Designation	Promoted to	Date of promotion
10.	Mr. Atom Arun Singh	Livestock Farm Assistant	Level - 5 to 6	01.06.2019
11.	Mrs. Sampa Deb	Livestock Farm Assistant	Level - 5 to 6	01.06.2019
12.	Mr. Sanjib Debnath	FCLA	Level - 5 to 6	19.04.2018
13.	Mr. S. P. Datta	FCLA	Level - 5 to 6	21.04.2018
14.	Mr. Avijit Das	FCLA	Level - 5 to 6	21.04.2018
15.	Mr. Rajib De	FCLA	Level - 5 to 6	21.04.2018
16.	Dr. Nandita Roy	FCLA	Level - 5 to 6	11.07.2018
17.	Mrs. Barnali Chowdhury	FCLA	Level - 5 to 6	16.07.2018
18.	Mrs. Gopa Halder	FCLA	Level - 5 to 6	24.10.2018
19.	Mrs. Alongkrita Chakma	FCLA	Level - 2 to 5	20.01.2019
20.	Mrs. Tha Bidya Devi	FCLA	Level - 2 to 5	23.01.2019
21.	Mrs. Beauty Debbarma	FCLA	Level - 2 to 5	08.01.2019
22.	Mr. Manoj Kumar Singha	Driver	Level - 4 to 5	14.10.2018
23.	Mr. Arun Mallik	Driver	Level - 4 to 5	15.10.2018
24.	Mr. Tarun Bhowmik	Driver	Level - 4 to 5	15.10.2018
25.	Mr. M. Ken Singh	Security Guard	Level - 2 to 3	21.11.2016
26.	Mr. Gautam Tamang	Security Guard	Level - 2 to 3	24.11.2016
27.	Mr. Gavinda Debbarma	Male health Worker	Level - 3 to 4	30.01.2019
28.	Mr. Binoy Debbarma	Plumber	Level - 2 to 4	24.06.2015
29.	Mr. Debajyoti Debbarma	Carpenter	Level - 2 to 4	25.06.2015
30.	Mr. Kishan Roy	MTS	Level - 1 to 2	10.11.2016
31.	Mr. Mithun Debnath	MTS	Level - 1 to 2	15.11.2016
32.	Mr. Amrit Debbarma	MTS	Level - 1 to 2	14.11.2016
33.	Mr. Telesphor Lepcha	MTS	Level - 1 to 2	16.11.2016
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya				
1.	Sh. Kh. Somorendro Singh	Assistant	Head Assistant	29.01.2020
2.	Sh. Sriprakash Singh	Account Assistant	Accountant	29.01.2020
3.	Sh. Holkhopao Lhungdim	UDC	Assistant	01.02.2020
College of Veterinary Science & A.H. , Selesih, Aizawl				
1.	Smt. Lucy Lalrinchhani	UDC	Assistant	01.02.2020
2.	Km. Saidingpuii Sailo	UDC	Account Assistant	-do-
3.	Km. Hmingthansangi Khiangte	UDC	Account Assistant	-do-
4.	Shri Lalawmpuia	UDC	Account Assistant	-do-
5.	Shri Th. Mangi Singh	UDC	Account Assistant	-do-
6.	Smt. V. Lalramzauvi	UDC	Account Assistant	-do-
7.	Smt. R. Vanlalruati	UDC	Account Assistant	-do-
8.	Smt. H. Lalrammawii	UDC	Account Assistant	-do-



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Sl. No.	Name of employee	Designation	Promoted to	Date of promotion
9.	Shri R.K. Manisana Singh	UDC	Assistant	-do-
10.	Vanlalzawni	UDC	Assistant	-do-
11.	Lamzapao Kipgen	Assistant	Head Assistant	29.01.2020
College of Agricultural Engg. & P.H.T., Ranipool, Sikkim				
1.	Dr. Tashi W. Bhutia	Medical Officer	T ₆ to T ₇₋₈	23.05.2017
2.	Mr. Pawan Kumar	Sr. Library Asstt.	T ₆ to T ₇₋₈	29.01.2019
3.	Dr. Manish Raj Gurung	Horticulture Asstt.	T ₅ to T ₆	12.11.2017
4.	Mr. Ph. Roshan Singh	Junior Engineer	T ₄ to T ₅	02.04.2017
5.	Mrs. M. Ebita	Compounder/Dresser	T ₄ to T ₅	20.11.2016
6.	Mrs. Esther M.	Library Asstt.	T ₃ to T ₄	17.10.2018
7.	Dr. Binod Kumar Mehta	Livestock Asstt.	T ₃ to T ₄	03.10.2017
8.	Mr. Raju Pradhan	Farm Asstt.	T ₃ to T ₄	01.06.2019
9.	Mr. Lalcha	UDC	Accts. Asstt.	03.02.2020
10.	Mr. Vishal Bardewa	UDC	Accts. Asstt	03.02.2020
11.	Mr. Ch. Chawba Singh	Field-cum-Lab. Asstt.	T ₃ to T ₄	01.06.2019
12.	Mrs. Tshering Ongmoo Bhutia	Field-cum-Lab. Asstt.	T ₃ to T ₄	01.06.2019
13.	Mr. Sanjay Upadhayay	Field-cum-Lab. Asstt.	T ₃ to T ₄	01.06.2019
14.	Mr. Samir Pradhan	Field-cum-Lab. Asstt.	T ₃ to T ₄	11.08.2019
15.	Mr. Dondor S. Mawrie	Field-cum-Lab. Asstt.	T ₁ to T ₂	11.08.2014
16.	Mrs. Kabita Chhetri	Field-cum-Lab. Asstt.	T ₁ to T ₃	07.10.2018
17.	Ms. Tirthakala Gurung	Field-cum-Lab. Asstt.	T ₁ to T ₃	10.10.2018
18.	Ms. Karma Doma Bhutia	Field-cum-Lab. Asstt.	T ₁ to T ₃	17.10.2018
19.	Mr. Manish Mukhia	Field-cum-Lab. Asstt.	T ₁ to T ₃	21.10.2018
20.	Mr. Ranjan Sirsat	Driver	T ₂ to T ₃	20.08.2013
21.	Mr. N. Indramani Singh	Driver	T ₁ to T ₂	13.01.2019
22.	Mr. Birendra Dahal	Male Health Worker/ Medical Attdt.	T ₁ to T ₂	08.10.2018

Table 5.6. Trainings/Seminars/Conferences/Workshops/Summer Schools, etc. organized by constituent colleges

Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
Directorate of Instruction							
1.	Summer School	ICAR	Agricultural Education, Entrepreneurship & Skill Development in India	21	27/8/2019	16/9/2019	25

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
College of Agriculture, Imphal							
2.	Training	ICAR-NAARM, Hyderabad	21 days FET programme of ARS Probationers of 110 th FOCARS	21	25.02.2020	16.03.2020	6
3.	Diversity Fair	CAU, Imphal	1 st State Level Mango Diversity Fair	1	02.07.2019	-	75
4.	Coordination Committee Meeting	AICRP	ICAR-AICRP on conservation of Lac Insect Genetic Resources	2	03.02.2020	04.02.2020	20
5.	Workshop	CAU, Imphal	Agriculture workshop to promote fuel efficiency of tractors, pumpset or other farm equipment	1	27.02.2020	-	10
6.	Seminar	CAU, Imphal	Rural Women Empowerment: International Women's day 2020	1	05.03.2020	-	320
7.	Awareness programme	IDP-NAHEP, CAU, Imphal	"National Agricultural Higher Education Project"	1	06.03.2020	-	109
8.	Workshop	NBAIR, Bengaluru	"Biological control of Crop Pests and Invasive utilization of Insects as food in North East Region of India	2	25.02.2020	26.02.2020	60
9.	Workshop	IBDC, New Delhi	Workshop cum honey festival	2	18.03.2020	20.03.2020	45
College of Horticulture & Forestry, Pasighat, Arunachal Pradesh							
1.	Training	DEE	Avenues in Floriculture for livelihood	3	17.02.2020	19.02.2020	27



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
2.	Training cum Awakening Programme	DEE	Identification, Life cycle, Symptoms and Management of Fall Army worm in Arunachal Pradesh	1	21.05.2019	-	30
3.	Training	DEE	Scientific BeeKeeping	1	28.09.2019	-	100
4.	Training	NMPB, New Delhi	Popularizing Medicinal and Aromatic Crop. Cultivation Amongst the Local Farmers of East Siang District	3	07.01.2020	09.01.2020	30
5.	Training	DEE, CAU, Imphal	Introduction to Some Commercially Exploitable MAPs and Their Marketing Strategies in the Region: Cultivation and its Marketing	3	05.03.2020	07.03.2020	30
6.	Training	National Research Development Corporation (NRDC), DSIR, DST, Govt. of India, New Delhi	Intervention of post harvest technologies on horticultural crops	21	20.11.2019	10.12.2019	35
7.	Training	CCS NIAM, MoAFW, Gol, Jaipur	Socio-Economic Development of the Horticultural Farmers' through Contract Farming	3	04.09.2019	06.09.2019	35
8.	Training	CCS, NIAM, Jaipur	Good Horticultural Practices for Enhancing Productivity and Famers' Income	3	09.09.2019	11.09.2019	28

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
9.	Regional seminar	Indian Society of Agricultural Economics (ISAE), Mumbai, NABARD-Itanagar & in association with ICAR-ATARI-Guwahati and Rajiv Gandhi University, Itanagar	Perspectives of Horti-Business in Development of North Eastern Region	3	24.02.2020	25.02.2020	100
10.	Training	DOGR, Pune	Training cum seed distribution of Kharif onion	1	07.08.2019	-	30
11.	Model Training Course	DE, DA&C, Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi	Protected Cultivation of Vegetable Crops- a source of employment in NEH Region	8	02.12.2019	09.12.2019	20
12.	Training	ICAR (under AICRP on Potato)	Training on post-harvest management, value addition and storage of potato	3	23.01.2020	15.01.2020	31
13.	Training	DASD, Calicut, Kerala (under CSS-MIDH)	Boosting Farmers' Income through Spices cultivation in Arunachal Pradesh	2	05.02.2020	06.02.2020	78
14.	Training	CAU, Imphal	Container Vegetable Gardening	3	13.02.2020	15.02.2020	38
15.	Off-campus training	CAU, Imphal	Production Technology of underutilized vegetables and value addition for income generation	3	19.02.2020	21.02.2020	31



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
College of Fisheries, Lembucherra, Tripura							
1.	Workshop	Tripura State Council for Science and Technology	Intellectual Property Rights (IPR)	1 Day	17.05.2019	-	
2.	Training	CAU, Imphal	Seed Production and Larval Rearing of Magur and Sighi	7 Days	06.07.2019	12.07.2019	
3.	Training	CAU, Imphal	Empowerment of Women through value added fish products technology	5 Days	16.07.2020	20.07.2020	
4.	On-campus training	CAU, Imphal	Fish Health & Environment Management	07 days	25.06.2019	01.07.2019	
5.	Training	CCS-National Institute of Agricultural Marketing (NIAM), Jaipur	Capacity building and application of ICT in marketing fish and fish products	3 Days	17.09.2019	19.09.2019	
6.	Workshop	Dept. of Fisheries, Govt. of Tripura	One-day Interface-cum Consultative Workshop on 'Rural Aquaculture Management	1 Day	25.09.2019	-	
7.	Training	CAU, Imphal	Methods and techniques for Habitat and Species conservation of fishery resources of North-Eastern India	7 days	22.11.2019	28.11.2019	
8.	Training	ICAR	Scope of Entrepreneurships in Fisheries sector in Notheast India	10-days	20.11.2019	29.11.2019	

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
9.	Training	CAU, Imphal	Design and construction of freshwater ponds and carp hatchery	7 days	10.02.2020	16.02.2020	
10.	Training	NABARD	Scientific intervention in pond culture for enhanced productivity	3 Days	26.02.2020	28.02.2020	
11.	Workshop	ICAR	Personality development under IDP-NAHEP Project, ICAR	2 Days	28.02.2020	29.02.2020	
12.	Training	CAU, Imphal	More from less through good management practices in aquaculture	5 Days	17.09.2019	21.09.2019	
13.	Workshop	Petroleum Conservation Research Association (PCRA)	Petroleum Product Conservation in Agriculture sector	1 Day	04.12.2019	-	
14.	Training	ICAR Winter School	Recent advances in Fish Processing, Value addition and fish waste management	21 Days	07.01.2020	27.01.2020	
15.	Stakeholders meet	ICAR-Central Tuber Crops Research Institute, Thiruvananthapuram, Kerala and College of Fisheries, Central Agricultural University, Imphal	Entrepreneurship Development Programme and Stakeholders meet Developing Tuber Crops Entrepreneurial Ecosystem in Tripura				



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
College of Community Science, Tura, Meghalaya							
1.	Training	CAU, Imphal	Weavers training on Dakmanda designing using CAD	3 days	06.08.2019	08.08.2019	19
2.	Celebration of important day	CAU, Imphal	Celebration of National Handloom Day	1	09.08.2019	-	30
3.	Celebration of important week	CAU, Imphal	Celebration of World Breast Feeding week	7 days	01.08.2019	07.08.2019	30
4.	Celebration of important day	CAU, Imphal	Celebration of National Honey Bee day	1	20.08.2019	-	20
5.	Celebration of important month	CAU, Imphal	Celebration of National Nutrition Month		01.09.2019	30.09.2019	
6.	Awareness programme	CAU, Imphal	Awareness on "Ill effects of Teenage pregnancy"	1 day	02.11.2019	-	56
7.	Training	CAU, Imphal	Training programme on Value added Products from Squash	2 days	28.11.2019	29.11.2019	22
8.	Capacity Building Training	ICAR ATARI – Zone VII, Barapani	Technological Advances in Health and Nutrition during Human Lifespan	3 days	05.12.2019	07.12.2019	23
9.	Celebration of important day	CAU, Imphal	Celebration of National Girl Child Day	1 day	24.01.2020	-	25
10.	Celebration of important day	CAU, Imphal	Celebration of National Voters Day	1 day	25.01.2020	-	25
11.	Training	CAU, Imphal	Low GI Flour Mix	2 days	28.01.2020	29.01.2020	20
12.	Training	CAU, Imphal	Micro level Planning through PRA Techniques	5 days	30.01.2020	03.02.2020	12
13.	Training	CAU, Imphal	Preparation of Healthy food products from Strawberries"	5 days	03.02.2020	07.02.2020	14

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
14.	Training	National Rural Livelihood Mission, Meghalaya State Livelihood Society	Processing and value addition of locally available Agri-horti Produces of Meghalaya.	5 days	11.02.2020	15.02.2020	20
15.	Training	CAU, Imphal	Dyeing and printing techniques and product development	4 days	17.02.2020	20.02.2020	20
16.	Awareness programme	CAU, Imphal	Awareness programme on Occupational Health and Safety	1 day	25.02.2020	-	50
17.	Training	National Rural Livelihood Mission, Meghalaya State Livelihood Society	Processing and value addition of locally available Agri-horti Produces of Meghalaya	5 days	24.02.2020	28.02.2020	20
18.	Training	CAU, Imphal	Designing of Linens	5 days	02.03.2020	06.03.2020	20
19.	Training	CAU, Imphal	Sensitization of Primary school teachers on management of specific learning disabilities in children"	2 days	06.03.2020	07.03.2020	20
20.	Celebration of important day	CAU, Imphal	International Women's Day Celebration	1 day	08.03.2020	-	100
21.	Awareness programme	CAU, Imphal	Awareness programme on World Consumer Rights Day	1 day	15.03.2020	-	20



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya							
1.	Training for Framers	CAU-Imphal	Farmers' Awareness cum Field day on Cowpea	1 day	06.08.2019	-	18
2.	Training for Framers	CAU-Imphal	Farmers' Awareness cum Field day on Groundnut	1 day	20.09.2019	-	23
3.	Capacity Building Training Program for Extension Personals	ICAR-ATARI, Umiam	Soil Management in Organic Farming	5 days	17.02.2020	-	25
4.	One day Training Programme	CAU-Imphal	Integrated Farming System: A viable approach for resource recycling and nutrient management	1 day	19.10.2019	-	50
5.	On Campus Informal Education Programme	CAU, Imphal	Importance of soil testing, method demonstration of collecting good soil samples for testing, introduction to soil health card	3 days	24.10.2019	26.10.2019	30
6.	Important Day Observation	CAU, Imphal	World Soil Day	1 day	5.12.2019	-	56
7.	Training cum distribution of paddy seeds A(CAU-R1) to the farmers of Ri-bhoi District	CPGS-AS	Scientific paddy cultivation and distribution of rice-seeds	1 day	15.04.2019	-	30

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
8.	Training and distribution of poultry birds under TSP to the beneficiaries under CRD Umsning Block	CPGS-AS-TSP	Scientific rearing of Poultry	1 day	02.05.2019	-	30
9.	Training cum field demonstration and distribution of wheat seeds to the farmers of Shella (cherrapunji)	CPGS-AS	Scientific cultivation of wheat	1 day	23.12.2019	-	20
10.	Training and distribution of potato seeds to the farmers of Sohra, East Khasi Hills	CPGS-AS	Scientific cultivation of potato	1 day	05.02.2020	-	25
11.	Training	CAU, Imphal	Scientific Cultivation of Potato	1 day	05.02.2020	-	25
12.	AICRP Training	CAU, Imphal	AICRP on Maize	1 day	04.06.2019	-	25
13.	Training	ICAR, NBAIR, Bengaluru	Integrated Pest Management in Horticultural Crops	03 At CHF, CAU, Pasighat	23.03.2019	25.03.2019	
14.	Training and distribution of potato seeds to the farmers of Sohra, East Khasi Hills	CPGS-AS	Scientific cultivation of potato	1 day	05.02.2019	-	25
15.	Training	CPGS-AS	De-contamination of pesticides in fruits and vegetables	1 day	17.02.2020	-	25



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
16.	MGMG Training programme		Pest and disease monitoring and adoption of IPM tactics		19.01.2020, 16.02.2020, 16.03.2020, 07.04.2019, 20.04.2019, 21.04.2019, 05.05.2019, 17.05.2019, 25.05.2019, 02.06.2019, 15.06.2019, 16.06.2019, 20.07.2019, 01.08.2019, 04.08.2019, 17.08.2019, 01.09.2019, 07.09.2019, 19.10.2019, 20.10.2019, 16.11.2019, 24.11.2019 & 17.12.2019		
College of Veterinary Science & A.H., Selesih, Aizawl							
1.	Short term training	CAU, Imphal	Application of Imaging Techniques for Diagnosis of Reproductive Problems in Small Animals	3 days	04.02.2020	60.02.2020	20
2.	Short term training	CAU, Imphal	Management of dairy cows and pigs for optimizing reproductive performances	3 days	27.11.2019	29.11.2019	15
3.	Skill development programme	ICAR-ATARI	Job role developed by Agriculture skill council of India on Animal Health Worker	35 days	25.02.2020	30.03.2020	20

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
4.	One-day Workshop	Petroleum Conservation Research Association (PCRA), Govt. of India.	"Conservation of Energy and use of Renewable Resources in the Farm Premises"	1 day	13.02.2020	-	40
5.	Training	CAU, Imphal	Scientific management of pig	3 days	28.01.2020	30.01.2020	15
6.	Training	CAU, Imphal	Scientific management of poultry rearing	3 days	11.02.2020	13.02.2020	15
7.	Training	CAU, Imphal	Advances in commercial pig farm management	3 days	25.02.2020	27.02.2020	6
8.	Training	CAU, Imphal	Feeding management of livestock and poultry and feed milling operation	3 days	03.03.2020	05.03.2020	11
9.	3 days training programme	CAU, Imphal	Hands on training on Value Added Meat Products	3	11.03.2020	13.03.2020	13
10.	Short term training	ATARI (Zone V) along with Central Agricultural University	Trends and Perspective for Management of Common Parasitic Diseases of Animals	5 Days	26-11-2019	30-11-2019	22
11.	Observation of World Rabies Day at Community Hall, Republic veng, Aizawl.	CAU, Imphal	Rabies- : Vaccinate to Eliminate	1 day	28.09.2019	-	114 dogs were vaccinated with ARV



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
12.	Observation of World Zoonoses Day at MC Hall, Durtlang, Aizawl	CAU, Imphal	Antirabies Vaccination.	1day	06.07.2019	-	111 dogs were vaccinated with ARV
13.	Training for Butchers from different meat market of Aizawl city, Mizoram	CAU, Imphal	Hygienic Slaughter of Food animals and control of meat borne zoonoses – Food safety Issues	3 days	11.03.2020	13.03.2020	34 butchers
14.	36 th IAVP (Indian Association of Veterinary Pathologists) Congress and National symposium	ICAR, NEC, DBT, NABARD, MRB, NPCC & CAU	36th IAVP congress and National symposium on Advances in Veterinary Pathology for fostering one health, food security and environment protection	3 Days	06.11.2019	08.11.2019	167 (1 International delegate and 166 National delegates)
College of Agricultural Engg. & P.H.T., Ranipool, Sikkim							
1.	Workshop	PCRA, Ministry of Petroleum & Natural Gas, Govt. of India, New Delhi	Utilization of Fuel Efficient Water Pump & Solar PV Water Pump for Conservation of Petroleum Products	01	22.02.2020	-	79
2.	Training	CCS-NIAM, Jaipur, Rajasthan	Intensive Dairy Farming and Energy Management	03	19.09.2019	21.09.2019	25
3.	Training	CCS-NIAM, Jaipur, Rajasthan	Climate Change Risk Mitigation for Marginal Farmers of Himalayan Region in Sikkim	03	26.09.2019	28.09.2019	25

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
4.	Training	CAU, Imphal	Design and Construction of Fish Farming and Hatchery	03	05.03.2020	07.03.2020	28
5.	Training	Dept. of FS&ADD, Govt. of Sikkim	Managerial Skills & Post Harvest Technology Management	03	08.07.2019	10.07.2019	49
6.	Training	ATMA, Darjeeling, West Bengal	Integrated Farming System for Sustainable Agriculture	03	11.09.2019	13.09.2019	29
7.	Training	Dept. of Agril., Govt. of W.B.	Micro level Manufacturing, Processing & Packaging	01	12.03.2020	-	28
8.	Training	CAU, Imphal	Testing & Evaluation of Agricultural Tractors & Farm Equipments	07	18.11.2019	25.11.2019	22
9.	Training	AICRP on FIM	Small Farm Mechanization	01	30.05.2019	-	19
10.	Training	AICRP on FIM	Farm Mechanization	01	13.09.2019	-	23
11.	Training	AICRP on FIM	Farm Mechanization	01	22.08.2019	-	11
12.	Training	AICRP on FIM	Improved Equipment for Small Farm Mechanization	02	30.10.2019	31.10.2019	32
13.	Training	AICRP on FIM	Training on poperation of power tillers	02	12.03.2020	13.03.2020	16
14.	Training	CAU, Imphal	Improved Tools & Equipments for Hill Farming	01	30.05.2019	-	19
15.	Training	AICRP on PET	Plasticulture Engineering Technologies	02	05.09.2019	06.09.2019	30
16.	Training	AICRP on PET	Scope of Plasticulture Engineering Technologies in Agriculture & Allied Activities	04	03.02.2020	06.02.2020	38



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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
College of Agriculture, Kyrdemkulai, Meghalaya							
1.	Training	Asian Development Bank under Japan fund for poverty reduction (JFPR-TA)	Integrated Farming System (IFS) with special emphasis on Farm Development Card	3	29.07.2019	31.07.2019	35
2.	1 st Farmers Innovation Expo-2020	NEC, Shillong	Integrated agriculture and rural bio-entrepreneurship for doubling farmers income	2	05.03.2020	06.03.2020	3000
College of Agriculture, Pasighat, Arunachal Pradesh							
1.	Training	CAU, Imphal	Advances in production technology of oilseed crops	3 days	13.02.2020	15.02.2020	17
2.	Vocational training	CAU, Imphal	Horticulture nursery as production enterprise	3 months	01.02.2020	30.04.2020	7
3.	Training	CCS National Institute of Agricultural Marketing, MoA & FW, Govt of India, Jaipur	Marketing and Value Chain Analysis of Spices in Arunachal Pradesh	3 days	05.09.2019	07.09.2019	45
College of Veterinary Science & A.H., Jalukie, Nagaland							
1.	Training	CAU, Imphal	Basic Ultrasonography	5 Days	17.02.2020	21.02.2020	3 (Vets)
College of Horticulture, Bermiok, Sikkim							
1.	Training	CAU, Imphal	Fruit Fly awareness on Horticultural Crops	1	08.10.2018	-	80
2.	Training	CAU, Imphal	Training and pruning practices of fruit crops	1	07.11.2019	-	
3.	Training	CAU, Imphal	Soil fertility management in organic farming	1	05.11.2020	-	

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Sl. No	Type of the Programme	Sponsored by	Title of the programme	Duration (Days)	From	To	No. of participants
4.	Training	CAU, Imphal	Management of important diseases of Horticultural crops	1	02.02.2020	-	
5.	Training	CAU, Imphal	Poroduction technology of Gerbera and Carnation	1	01.02.2020	-	
6.	Training	CAU, Imphal	Bee Keeping	1	28.02.2020	-	
7.	Training	CAU, Imphal	Practice of crop regulation in Guava (<i>Psidium guajava</i>)	1	29.02.2020	-	
8.	Awareness programme	CAU, Imphal	Intellectual property rights in plant breeding	1	05.02.2020	-	

Table 5.7. Details of the programmes attended by faculty and staff

Sl. No.	Higher Studies	Conference		Seminars		Work-shop	Training		Others (Please specify)
		National	Inter-national	National	Inter-national		Long term (<3 weeks)	Short term (<3 weeks)	
College of Agriculture, Imphal									
1.	-			04	01	09	-	08	01
College of Veterinary Science & A.H., Selesih, Aizawl									
1.	01	29	04	02	-	09	-	04	-
College of Horticulture & Forestry, Pasighat									
1.	-	-	01	10	-	17	02	16	14
College of Fisheries, Lembucherra, Tripura									
1.	-	02	04	03	01	04	03	-	-
College of Agricultural Engineering & PHT, Ranipool, Sikkim									
1.	01	01	03	01	-	04	04	05	01
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya									
2.	-	-	02	02	-	01	02	03	-
4.	-	-	-	-	-	-	-	-	-
College of Community Science, Tura, Meghalaya									
1.	01	-	01	02	-	05		02	-



Sl. No.	Higher Studies	Conference		Seminars		Work-shop	Training		Others (Please specify)
		National	Inter-national	National	Inter-national		Long term (<3 weeks)	Short term (<3 weeks)	
College of Veterinary Science & A.H., Jalukie, Nagaland									
1.	-	06	-	-	01	07	04	01	01
College of Agriculture, Pasighat									
1.	-	03	02	01	-	06	02	03	-
College of Agriculture, Kyrdemkulai, Meghalaya									
1.	-	02	0	0	0	02	0	01	01

Table 5.8. Awards and recognition of faculty members

Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
College of Horticulture and Forestry, Pasighat, Arunachal Pradesh			
1.	Prof. B.N. Hazarika	Dean, Professor	ISHRD Fellowship: Indian Society of Horticultural Research and Development (ISHRD), Uttararhand Outstanding contribution to science Award-2019. Dr. B. Vasantharaj David Foundation, Chennai, India Dr. H.K. Jain- CAU Award (2016-17), Central Agricultural Univedrsity, Imphal (awarded in 2019)
2.	Dr. D.B. Ahuja	Professor	Best Research Project Award in CAU Regional Fair 2019-20 Integrated Bee Keeping Development
3.	Dr. Sunil Kumar	Professor	Outstanding Academic Leader Award 2020 from Eudoxia Education Private Limited, Guwahati. Best Research paper award in Current Horticulture-2019 Best Academician Award 2019 in Agriculture from Scholars Academic and Scientific Society, Borhawar, Murajhar, Hojai, Assam Best Faculty Award from EET CRS 7th Faculty Branding Awards-2019
4.	Dr. A.S. Mailappa	Associate Professor	Best Agricultural Academician Award (Best Krishi Shikshak Award) during National Conference on Challenges and Innovative Approaches in Agriculture & Allied Sciences Research, organised by SBER (Society for Biotic and Environemntal Research), on 26.07.19 & 27.07.2019 at Sona College of Arts & Science, Salem, Tamil Nadu.
5.	Dr. Shivani Dobhal	Assistant Professor	Young Scientist Award, by COBACAS, Uttar Banga Viswavidyalaya, Pundibari CoochBihar, West Bengal India

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Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
6.	Dr. Barun Singh	Assistant Professor	Distinguished Service Award for outstanding contribution in the field of Pomology. Conferred by Society of Biological Sciences and Rural Development, Prayagraj, U.P. India
7.	Dr. Nangsol Dolma Bhutia	Assistant Professor	Awarded with Jagar Nath Raina Memorial for All India Best Research Award at Doctorate Level 2019 by Society for Advancement of Human and Nature (SADHNA) , Himachal Pradesh Awarded with Dwarika Nath Memorial Award-2018 for best Ph.D Thesis by Indian Society of Vegetable Science, Varanasi, Uttar Pradesh
8.	Mr. Premaradhya, N	Assistant Professor	Best Paper Presentation during Regional Seminar of Indian Society of Agricultural Economics (ISAE) on "Perspectives of Horti-Business in Development of North Easter Region"24-25 th February, 2020
College of Fisheries, Lembucherra, Tripura			
1.	Dr. Himadri Saha	Assistant Professor	Young Scientist Award-2019
2.	Dr. Amitava Ghosh	Assistant Professor	CWSS- Young Scientist Award-2020
3.	Dr. A.S. Barman	Assistant Professor	Best Oral presentation award in National Seminar on "Biodiversity-Issues challenges and opportunity" 16-17 th July 2019, organized by CCSHAU, Hisar, Haryana
4.	J. Parhi,	Asst. Professor	Prof Harswarup Medal-2020 by Zoological Society of India for academic contribution in the field of Fish Genetics and Biotechnology
		Asst. Professor	Dr. S. Ayyappan Gold Medal by Inland Fisheries Society of India (IFSI), Barrackpore
College of Community Science, Tura, Meghalaya			
1.	Prof. Puspita Das	HOD & Dean In-charge	Conferred " Excellence in Research Award " by Astha Foundation, Meerut (U.P.) during International Conference on Innovative and Current Advances in Agriculture and Allied Sciences held from 27 th January to 1 st February 2020, ICAAAS – 2020 at Bangkok, Thailand
2.	Dr.Pavana Kumar ST	Assistant Professor	Thesis Award for Ph. D Thesis
College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya			
1.	Dr. Mahesh Pathak	Professor Entomology	Best KVK Award for effective Implementation of Cluster Frontline Demonstration (CFLD) programme in Toria (Rabi 2018-19)conferred by ICAR-ATARI, Zone-VI, Guwahati, Assam in Annual Review Meeting of KVKs 2019-20 held at ATARI Guwahati, Assam, 29-31 st May, 2019.



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Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
2.	Dr. Kennedy Ningthoujam	Assistant Professor Entomology	Appreciation certificate for outstanding participation on "Production Protocol for Biocontrol agents (Predators, Parasitoids and Microbial Bio pesticides) and Biofertilizers" held at NIPHM, Hyderabad
3.	Dr. Pranab Dutta	Associate Professor	Best Poster Presentation Award (Jointly) for the paper "Green synthesis of silver nanoparticles, its characterization and study the efficacy against Fusarium oxysporum in IPSCONF 2020 held at ICAR-IARI, New Delhi, India during January 16-20, 2020
4.	Dr. Dwipendra Thakuria	Professor	American Phytopathological Society Travel Grant (North Eastern Zone, IPS) was awarded to Mr. Hubert Jones Shullai in the symposium "Sustainable Plant Health Management on North East India" during 6-7 November, 2019 at ICAR-RC for NEH Region, Umiam, Meghalaya
5.	Dr. Dwipendra Thakuria	Professor	Best Poster Presentation Award by Miss Lipa Dev in the 7th International Conference "Phytopathology in achieving UN Sustainable Development Goals" (IPSCONF2020) held on January 16-20, 2020 at ICAR-IARI, New Delhi, India
6.	Dr. Sanjay Swami	Professor	<p>Outstanding Achievement Award during 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019)" held at Tribhuvan University, Kathmandu, Nepal w.e.f. June 16-18, 2019 organised by(ATDS), Ghaziabad</p> <p>Distinguished Scientist Award during International Conference on "Sustainable Agriculture Production for Food, Nutritional and Livelihood Security: A Challenge for Asian Farmers" held at Pattaya, Thailand w.e.f. September 25-27, 2019.</p> <p>Appreciation Award by the Soil Conservation Society of India (SCSI) New Delhi in recognition of his sincere, dedicated and hard work for successful organization of the 4th International Conference of Soil Conservation Society of India (SCSI) on "Soil and Water Resources Management for Climate Smart Agriculture, Global Food and Livelihood Security" at NASC Complex, New Delhiduring November 05-09, 2019.</p> <p>Best Oral Presentation in the 4th International Conference of Soil Conservation Society of India (SCSI) on "Soil and Water Resources Management for Climate Smart Agriculture, Global Food and Livelihood Security" at NASC Complex, New Delhi during November 05-09, 2019.</p>



Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
7	Dr. N. J. Singh	Asstt. Professor	<p>The Visitor of Manipur University, His Excellency, The President of India nominated as a Member of the Fifth Court of Manipur University under Section 22(1) read with Amended Statute 10(5) of Manipur University Act, 2005 for a term of three years</p> <p>Best Master Thesis Award-2019 from International Conference on "Global Perspective in Agricultural and Applied Sciences for Food and Environment Security (GAAFES 2019)" 1-2 December, 2019 held at UGC-HRDC Hall, Kumaun University, Nainital, UK, India</p>
College of Veterinary Science & A.H., Selesih, Aizawl			
1	Dr. J. B. Rajesh,	Assistant Professor	<p>Adarsh Vidya Saraswati Rashtriya Puraskar Glacier Journal Research foundation, Global Management Council: 2019</p> <p>Young Faculty award from EET, CRS (Academic Brilliance Award): 2020</p>
2	Dr. Suvendu Kumar Behera	Assistant Professor	DBT overseas associateship
3	Dr. Chethan G E	Assistant Professor	<p>1st prize in poster presentation (session 3 & session 4) under 38th Annual Convention and National Symposium of ISVM (Feb 5th to 7th, 2020) held at Veterinary college, KVAFSU, Hebbal, Bengaluru</p> <p>1st prize in poster presentation (under 38th Annual Convention and National Symposium of ISVM (Feb 5th to 7th, 2020) held at Veterinary college, KVAFSU, Hebbal, Bengaluru</p>
4	Dr. M. Ayub Ali	Professor	Best paper Award in technical session on Clinical and Nutritional Biochemistry during the 4th National seminar and Annual Convention of SVBBI on Current Research in Veterinary Biochemistry and Biotechnology in the improvement of Animal Health and Production held at CVSc, SVVU, Tirupati on 4-5 th Feb, 2020.
5	Dr. Parthasarathi Behera	Assistant Professor	Best paper Award in technical session on Biochemical interventions and Metabolomics during the 4th National seminar and Annual Convention of SVBBI on Current Research in Veterinary Biochemistry and Biotechnology in the improvement of Animal Health and Production held at CVSc, SVVU, Tirupati on 4-5 th Feb, 2020.



Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
6	Dr. A. K. Samanta	Professor	Received best presentation (oral) award for the research paper entitled 'Effect of Supplementation of Plant Extracts and Essential Oils on Immune Status and Intestinal Microbial Population of Weaned Piglets' in the International Conference of Animal Nutrition 2019 on 'Nutritional strategies for improving farm profitability and clean milk production', 17-19 Dec., 2019 organised by Department of Animal Nutrition, West Bengal University of Animal and Fishery Sciences, Kolkata, India
7	Dr. Pragati Hazarika	Asst.Prof. (Selection grade)	3rd Prize for oral paper presentation on the topic "Effect of Nisin on qualitative and sensory aspects of cured Vawksa Rep – a traditional pork product of Mizoram" in the International Symposium & 9th conference of Indian Meat Science Association" organized by . Dr. G.C. Negi College of Veterinary & Animal Sciences, CSK HPKV, Palampur – HP, India.
8	Dr. T. K. Rajkhowa Dr. Y. Damodar Singh, Dr. Ravindran R. Arya, Dr. Rahul Singh	Professor Asst. Professor (SG) Asst. Professor (SS) Asst. Professor	IAVP-Savithree Jibachch Sinha Third Best Poster Presentation Award, 2019 for the Poster "Histopathological investigation of pathology of mushy chick disease in Gramapriya and Srinidhi chicks" in Veterinary Pathology Congress-2019 and National symposium on " <i>Advances in veterinary pathology for fostering one health, food security and environment protection</i> " Selesih, Aizawl, Mizoram (November 6-8, 2019).
9	Dr. T. K. Dutta,	Prof.	Dr. C. M. Singh best research paper award-2020. Awarded by the Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases (IAVMI) for the research paper published in the Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases, Vol 40(2), 2019: 90-94 Reviewer Excellence Award by the ARCC journal in recognition to significant and outstanding contribution to the journal and reviewing the article in January, 2020
10	Dr. P. K. Subudhi	Asst. Prof. (SS)	Awarded best oral presentation for paper "Serum Diagnostic Enzyme Profile of Khaki Campbell Ducks is improved by Eclipta alba as Feed Supplement in the face of Salmonellosis" in technical session II - Clinical and Nutritional Biochemistry in Annual Convention of SVBBI and 4 th National Seminar on "Current Research in Veterinary Biochemistry and Biotechnology in the improvement of Animal Health and Production" from 4 th – 5 th February, 2020; at College of Veterinary Science, SVVU, Tirupati – 517502, A.P., India



Sl. No.	Name of the Faculty	Designation	Details of Awards/recognition received
College of Agricultural Engg. & P.H.T., Ranipool, Sikkim			
1.	Prof. Mahendra S. Seveda	Professor	ISAE Commendation Medal Award during the 54 th Annual Convention of Indian Society of Agricultural Engineers (ISAE) & International Symposium on "Artificial Intelligence Based Future Technologies in Agriculture during January 07-09, 2020 at Hyatt Regency, Vimannagar, Pune, Maharashtra.
2.	Prof. D. Jhajharia	Professor	Fellow (Indian Water Resources Society) Best paper award in Regional Seminar on "Perspectives of Horti-business in development of north eastern region" of Indian Society of Agriculture Economics at CoHF, Pasighat from 24-25 February, 2020
4.	Dr. A. K. Vashisht	Associate Professor	Fourth Dr. H.K. Jain CAU Award, 2017-18
5.	Er. S.S. Das	Assistant Professor	Best paper award at the ICMRE-2019 conference, 6-7, December, 2019 at SMIT Sikkim
6.	Dr. Abujam Anuradha Devi	Assistant Professor	Best Paper presentation in Regional Seminar of Indian Society of Agricultural Economics (ISAE) on Perspectives of Horti-Business in Development of North Eastern Region at CoH&F, Pasighat on 24 – 25 February, 2020.
College of Agriculture, Kyrdenkulai, Meghalaya			
1.	U.K.Behera	Dean	Elected president for Agriculture and Forest Sciences of 107 th Indian Science Congress held during 03.01.2020 to 07.01.2020
College of Agriculture, Pasighat, Arunachal Pradesh			
1.	Dr. Kh. Lily Devi	Assistant Professor	Best paper presentation award on the paper entitled "Enhancing the farmers income through Low-cost polyhouse intervention in Soureni Village of East Sikkim- A Case Study during Reginal seminar on "Perspectives of horti-business development of north eastern region", February 24-25, 2020, at CHF, Pasighat, Arunachal Pradesh.



5.9. MOU Signed/collaboration with other institutes during 2019-20

During the year under report, the university has signed MoU with the following institutes for for strengthening the academic, research and extension activities of the university.

1. ICAR-Central Institute of Fisheries Education, Mumbai (renewal)
2. ICAR-RC for NEH Region, Umiam, Meghalaya
3. Sikkim Manipal University, Tadong, Gangtok
4. ICAR-NAARM, Hyderabad
5. ICAR-NBAIR, Bengaluru, Karnataka
6. International Rice Research Institute, Philippines
7. IBSD, Imphal for Orchid production Training facility
8. The Sustainable Environment Resource Institute (INNOVIR), New Delhi;
9. Green Biotech Eco solutions, Manipur
10. Indian Institute of Governance and Leadership (IIGL), New Delhi.

5.10. IDP sanctioned under NAHEP

ICAR, New Delhi under National Agricultural Higher education Project (NAHEP) sanctioned the Institutional developmental Plan(IDP) to CAU, Imphal on the project titled “Enhancing professional competence of students to address the emerging challenges in agriculture and allied sectors” on 10th December, 2019 with a budget of 2456.04 Lakh. The vision of the project is to develop human resources equipped with knowledge base and capability of utilizing the agricultural resources in a sustained manner for overall wellbeing of society and the environment. The mission of the project is to produce competent agripreneurs with appropriate technical and managerial skills to support sustainable agricultural productivity in the changing climate scenario. Successful implementation of the project will help to equip the students with skills for starting and to handle businesses based on agriculture, enhance the capability of the faculty to address newer challenges in agriculture as a profession and increase the effective usage of the resources within the University by modernizing the communication and information exchange channels.





INFRASTRUCTURE DEVELOPMENT

6



Physical achievement for the year 2019-20

Sl. No.	Name of the College	Name of the buildings	Achievements	Status
1.	(A) Extension of College of Fisheries, Lembucherra, Agartala, Tripura.	Library building	RCC works of roof slab is in progress. Reinforcement work is in progress. Shuttering work is in progress. Truss work is in progress.	
		Feed mill expansion	Feed mill expansion: Construction works of 1 st Floor completed and ready to hand over to College Authority.	
		Swimming Pool	Plastering works is in progress. Water supply work is in progress.	
		Extension of main Admn/Acad building	Brick work, Plastering work, Flooring work, Aluminum work, Painting work is in progress.	
	(B) Multi Technology Testing Centre & Vocational Testing Centre	Animal Shed	Plastering and Primer works in progress. Side development works in progress.	
		VTC	RCC work of slab, Reinforcement works, Shuttering works, Plastering works and Brick works are in progress	
		MTTC	False Ceiling works and Railing works in progress.	

INFRASTRUCTURE DEVELOPMENT



Sl. No.	Name of the College	Name of the buildings	Achievements	Status
2.	(A) Extension of College of Post Graduate Studies, Barapani, Meghalaya.	Expansion of Boys' Hostel (916.40 sq.m.)	Expansion of Boys' Hostel: Completed and inaugurated by Dr. S. Ayyappan, Chancellor, CAU, Imphal on 5 th December, 2018.	
		Expansion of Girls' Hostel (707 sq.m.)	Expansion of Girls' Hostel: Completed and inaugurated by Dr. S. Ayyappan, Chancellor, CAU, Imphal on 5 th December, 2018.	
		Auditorium (464.50 sq.m.)	90% completed. Internal furnishing yet to start.	
		Type IV quarter (Block I & II)	Type IV quarter (Block I & II): Completed and inaugurated by Dr. Trilochan Mohapatra, Secretary DARE & DG ICAR, New Delhi on 1 st July, 2019.	
		Type III quarter	Completed.	
		Type II quarter	Completed.	
		Students Utility Centre	Students Utility Centre: Students Utility Centre is completed and inaugurated by Dr. Trilochan Mohapatra, Secretary DARE & DG ICAR, New Delhi 1 st July, 2019.	



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Sl. No.	Name of the College	Name of the buildings	Achievements	Status
3.	(A) Establishment of new College of Horticulture at Thenzawl, Mizoram	Administrative & Academic block	All RCC works completed and finishing works in progress. 75% completed.	
		Hostel for men (1500 sq.m.)	Internal finishing works in progress and external painting works yet to be done. 90% completed.	
		Hostel for women (1500 sq.m.)	All internal fitting works completed except external painting works to be done. 95% completed.	
		Transit accommodation	All RCC works completed and brick works in progress. 80% completed.	
		Type –II Quarter	Completed and ready for handing over. 100% completed.	
4.	(A) Establishment of new College of Veterinary Sciences & Animal Husbandry at Jalukie, Peren Dist. Nagaland.	Administrative & Academic block (8000 sq.m.)	Roof slab of 1 st Floor casted. 50% completed.	
		Hostel for men (1500 sq.m.)	Completed and taken over by College Authority.	




INFRASTRUCTURE DEVELOPMENT



Sl. No.	Name of the College	Name of the buildings	Achievements	Status
		Hostel for women (1500 sq.m.)	Completed and taken over by College Authority. It is fully functional and occupied by Girls Students.	
		Transit House	All RCC works completed and Brick works in progress. 70% completed.	
5.	(A) Establishment of new College of Agriculture at Kyrdekulai, Ribhoi Dist. Meghalaya.	Administrative & Academic block (6120 sqm)	All RCC works completed including CGI Sheets roofing. Internal finishing works in progress. 75 % Completed.	
		Girls Hostel with dining (1359 sqm)	RCC works upto 3 rd Floor completed and construction of roof beams works in progress. 50% completed.	
		Transit Hostel for faculty	All RCC works upto 3 rd Floor completed and tubular trusses for roofing work in progress. 65% completed.	
6.	(A) Extension of College of Veterinary Sciences & Animal Husbandry, Selesih, Aizawl, Mizoram.	PG Hostel for Men(1 Block-1000 sqm) Construction of New Roads	All RCC works completed and Brick works upto 2 nd floor completed. 65% completed.	
		Construction of water processing plant	Completed in all respect. 100% completed.	



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Sl. No.	Name of the College	Name of the buildings	Achievements	Status
		Pump House	All RCC works completed and finishing works in progress. 80% completed.	
	(B) Multi Technology Testing Centre	Multi-disciplinary Labs	All RCC works completed and Brick works on ground floor completed. 30% completed.	
		Animal Sheds	Foundation completed and all columns erected and casting in progress. 25% completed	
	(C) Vocational Training Centre	VTC	Foundation completed and all columns erected and casting in progress. 25% completed	



FINANCIAL EXPENDITURE

7



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Unit Wise Budget Allocation for the year 2019-20

Sl. No	Head of Account	CAU (HQ)	DI	DR	DEE	COA	COVSC	COF	COHF	COHSC	COAE &PHT	COPGS	COFT Imp	COA Pasighat	COH Sikkim	COA Barapani	COH Mizoram	COVSC Nagaland	Total Budget Allotment for 2019-20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A SALARIES																			
a)	Pay & Allowances	9022.00																	9022.00
b)	Retiral Benefits	500.00																	500.00
	Total of A	9522.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9522.00
B GENERAL																			
a)	Travelling Allowances	22.50	3.50	2.50	1.51	8.00	8.00	6.00	10.00	7.00	11.00	6.00	1.00	1.50	1.50	3.00	3.00	4.00	100.01
b)	Office Expenses	-32.36	23.00	26.18	11.50	190.00	210.00	130.00	151.00	120.00	124.98	163.70	30.00	10.00	25.00	45.00	23.00	70.00	1321.00
c)	Fellowship/ Scholarship	16.58				60.00	27.91	20.00	20.00	4.00	15.00	39.90	0.36	2.00	1.57	0.28	1.00	1.20	209.80
d)	Adjunct/Visiting Professor	2.00				1.00		2.00			0.50	1.00							6.50
e)	H.R.D.	0.05					0.10	0.25	0.50	0.25	0.50	0.55		0.20	0.10		0.50		3.00
f)	Advertisement & Publicity	5.94			20.99	1.00	0.50	0.50	0.50	1.00	0.50	1.00		0.98	0.20	0.50	0.50	0.58	34.69
g)	Petty/ Departmental/ ARMO	24.00				35.00	40.00	40.00	40.00	30.00	30.00	30.00	27.00	20.00	15.00	10.00	5.00	30.00	376.00
h)	Miscellaneous Research & Extension Programme	11.44		50.00		9.85	6.00	7.55	9.00	9.50	22.50	4.00		6.60	31.00	5.56	11.00	5.00	189.00
	Total of B	50.15	26.50	78.68	34.00	304.85	292.51	206.30	231.00	171.75	204.98	246.15	58.36	41.28	74.37	64.34	44.00	110.78	2240.00
C CAPITAL																			
1	Other than Civil Works																		

FINANCIAL EXPENDITURE



Sl. No	Head of Account	CAU (HQ)	DI	DR	DEE	COA	COVSC	COF	COHF	COHSC	COAE &PHT	COPGS	COFT Imp	COA Pasighat	COH Sikkim	COA Barapani	COH Mizoram	COVSC Nagaland	Total Budget Allotment for 2019-20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a)	Equipment (including Machine, tools, live stock & land, etc.	262.30		1.50	4.20	8.20	4.00	0.80	3.51	5.00		2.98	2.00	0.08	20.00	20.00	10.00	107.63	452.20
b)	Experiential Learning													1.00					1.00
c)	Furniture & Fixture	407.18	1.00	1.50	1.80	10.00		3.00	5.00	5.00	5.00	5.82	2.00			20.00	10.00	20.00	497.30
d)	Vehicles	70.01				8.00		8.00	8.00	8.86		8.00						39.13	150.00
e)	Library Books	347.50				2.00	2.00	1.00	2.00	3.00	3.00	2.00	7.00	5.00	4.00	4.00	5.00	9.00	396.50
f)	Information Technology	174.53	2.77				2.00	2.50	7.00	2.00	2.00	2.20			2.00	2.00	2.00	2.00	203.00
	Total of C(1)	1261.52	3.77	3.00	6.00	28.20	8.00	15.30	25.51	23.86	10.00	21.00	11.00	6.08	26.00	46.00	27.00	177.76	1700.00
2	WORKS/ Construction																		
i)	Land (Purchase/ Development)																		0.00
ii)	Major Works																		0.00
a)	Xlith Plan Spill Over	5000.00																	5000.00
	Total of C(2)	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5000.00
	TOTAL AMOUNT	15833.67	30.27	81.68	40.00	333.05	300.51	221.60	256.51	195.61	214.98	267.15	69.36	47.36	100.37	110.34	71.00	288.54	18462.00



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Unit Wise Expenditure Incurred During 2019-20

Sl. No	Head of Account	CAU (HQ)	DI	DR	DEE	COA	COVSC	COF	COHF	COHSC	COAE &PHT	COPGS	COFT Imp	COA Pasighat	COH Sikkim	COA Barapani	COH Mizoram	COVSC Nagaland	Total Expenses for 2019-20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A) SALARIES																			
a)	Pay & Allowances	10307.51		8.62	0.07													19.37	10335.57
b)	Retiral Benefits	863.44		5.64															869.08
	Total of A	11170.95	0.00	14.26	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.37	11204.65
B) GENERAL																			
a)	Travelling Allowance	19.27	6.54	2.53	1.08	6.96	12.01	5.39	8.55	6.64	8.88	4.64	1.99	0.79	1.50	2.14	2.99	3.88	95.78
b)	Office Expenses	177.26	49.63	25.61	12.21	221.47	244.01	157.06	138.73	117.35	140.11	171.25	46.59	12.20	26.99	50.15	36.40	79.84	1706.86
c)	Followship/ Scholarship					57.09	27.83	22.14	18.29	3.24	12.18	44.19	1.30	0.36	1.57	0.44	0.68	1.20	190.51
d)	Adjunct/Visiting Professor				20.84	1.00		0.97				0.29							23.10
e)	H.R.D.							0.18		0.08	0.18	0.55		0.98					1.97
f)	Advertisement & Publicity	1.71				1.10	0.02	0.52	0.10	0.70	0.39	0.26		8.55	0.19	0.17		0.58	14.29
g)	Petty/ Departmental/ ARMO	7.94				15.63	4.72	16.21	39.83	21.65	29.73	12.34	13.30		13.10	10.20	5.75	45.44	235.84
h)	Miscellaneous Research & Extension Programme			25.14		17.06	7.35	5.67	2.54	8.33	7.97	3.27		1.97	30.45	6.22	1.17	2.99	120.13
	Total of B	206.18	56.17	53.28	34.13	320.31	295.94	208.14	208.04	157.99	199.44	236.79	63.18	24.85	73.80	69.32	46.99	133.93	2388.48
C CAPITAL																			
1	Other than Civil Works																		

FINANCIAL EXPENDITURE

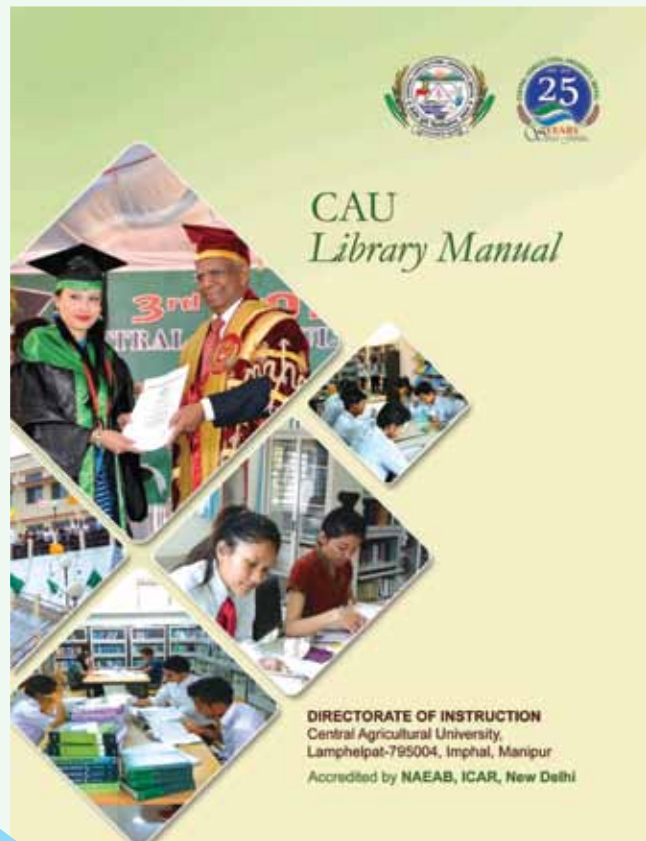


Sl. No	Head of Account	CAU (HQ)	DI	DR	DEE	COA	COVSC	COF	COHF	COHSC	COAE & PHT	COPGS	COFT Imp	COA Pasighat	COH Sikkim	COA Barapani	COH Mizoram	COVSC Nagaland	Total Expenses for 2019-20
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
a)	Equipment (including Machine, tools, live stock & land, etc.)	8.91		1.5	4.15	2.99	1.28	0.9	1.21	2.96	1.62	2.78	0.55	0.08	4.99	15.13	10.22	88.56	147.83
b)	Experiential Learning					0.21													0.21
c)	Furniture & Fixture	15.43		0.96	1.49	2.96	2.72	2.61	0.71	2.45	1.70	5.82	0.35			6.64	7.76	11.60	63.20
d)	Vehicles	7.39						7.34			0.26	7.87						38.20	61.06
e)	Library Books					1.28	2.00	0.27		1.85		0.14	0.40	0.14	0.91			3.53	10.52
f)	Information Technology	0.30	4.77				2.00	2.12	1.81	1.28	2.00	2.26			0.97	1.13		0.35	18.99
	Total of C(1)	32.03	4.77	2.46	5.64	7.44	8.00	13.24	3.73	8.54	5.58	18.87	1.30	0.22	6.87	22.90	17.98	142.24	301.81
2	WORKS/ CONSTRUCTION																		
i)	Land (Purchase/ Development)																		0.00
ii)	Major Works																		0.00
a)	XIIth Plan Spill Over	6360.00																	6360.00
	Total of C (2)	6360.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6360.00
	Total Amount	17769.16	60.94	70.00	39.84	327.75	303.94	221.38	211.77	166.53	205.02	255.66	64.48	25.07	80.67	92.22	64.97	295.54	20254.94



Statement showing unit-wise Actual Revenue Receipt of the University for the year 2019-20

Sl. No	Head of Account	CAU (HQ)	DI	DR	DEE	COA Imp	COV Aizawl	COF	COHF	COCs	COAE & PHT	COPGS	COFT Imp	COA Pasighat	COH Sikkim	COA Barapani	COH Mizoram	COVSC Nagaland	Total Revenue for 2019-20
		Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
1	Academic Receipt	0.00	0.00			66.67	45.53	42.63	63.95	15.79	16.41	22.28	14.37	16.43	6.19	6.36	6.06	9.91	332.58
2	Interest on Bank Account	205.27	0.21	0.80	0.16	0.64	1.10	5.92	3.21	2.41	2.53	3.53	0.25	1.69	0.20				227.92
3	Sale Proceeds of farm Produce	5.03		6.92		5.51	32.50	0.99	2.16		0.11	0.15			0.42	0.02		1.42	55.23
4	Miscellaneous Income	17.34	3.12		1.56	5.36	12.21	10.97	8.00	3.67	9.49	13.88		0.01			0.24	1.81	87.66
5	Institutional/ Overhead Charges	8.62									0.00								8.62
6	Other Income	48.36				2.97	0.43	1.49	3.80	1.83	0.44	0.70	0.02		0.05	0.03		0.01	60.13
	Total Amount	284.62	3.33	7.72	1.72	81.15	91.77	62.00	81.12	23.70	28.98	40.54	14.64	18.13	6.86	6.41	6.30	13.15	772.14



UNIVERSITY
PUBLICATION

8



DURING the reporting year, faculties of constituent colleges of the university have published 1083 research literatures comprising of 395 full length research and 64 digital object identifier articles,

54 conference/symposium proceedings, 176 abstract presented, 119 popular articles, 17 books, 61 book chapters, 63 technical bulletins/training manuals and 134 laboratory manuals/pamphlets etc. They are listed as under:

List of Scientific Publications

8.I. Research Papers:

8.1.1. College of Agriculture, Imphal

- A.N Ganeshmurthy, Rajkumar Dilip Singh, KS. Shashidhar, T.R Rupa (2019). Fertilizer Best Management Practices for Perennial Horticulture Crops. *Indian Journal of Fertilizers*, 15(10) : 1136-1150
- Amrita Thokchom, R.K.Dilip Singh, Nesara Begane, Khamrang Mathukmi & K.S. Sabastian (2019). Influence of Grafting Height and Scion Length on Healing of Graft Union and Growth Characteristics of *Citrus reticulata* cv. Nagpur Mandarin Grafted on Rough Lemon Rootstocks. *International Journal of Current Microbiological and applied Sciences*, 8 (03): 2066-2074
- Animesh Sarkar and N. Surbala Devi.(2020).Effect of boron and farmyard manure application on boron concentration and dry matter yield of paddy. *International Journal of Chemical Studies*, 8(1): 1374-1376.
- Ann Maria, RK Kumarjit Singh and N Surbala Devi. (2019). Distribution of boron fractions in soils of Imphal West, Manipur. *International Journal of Chemical Studies*, 7(3): 4873-4877.
- B. Nongbri, S.M.Feroze, R. Singh, and L. Devarani(2019). Factors softening drought vulnerability of farm households in Nagaland. *Indian Journal of Hill Farming*, 32(2): 244-250.
- Bireswar Sinha, C. Lalhruaitluangi¹, Ph. Sobita Devi and N. Amaresan(2019).First report of *Lasiodiplodia theobromae* causing dieback in tree bean (*Perkia roxburghii*) in India. *Plant Disease Research*.
- Chuwang Hijam and N.B. Singh (2019) Heterosis for grain yield and its important components in aromatic rice (*Oryza sativa* L.) *International Journal of Agricultural Science and Research* 9(2):75-80.
- G. Nongmeikapam and N. Surbala Devi.(2019). Effect of organic manures and humic acids on changes in hydrolysable organic fractions of nitrogen in a Typic Haplumbrepts soil. *Agrochimica*, 63(1): 3-14.
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- Haldhar SM, Bhargava R, Singh RS, Samadia DK, Jat GC and Singh D. (2019). Do bottom-up effects (resistance) of different accessions of Indian cherry (*Cordia myxa* L.) help against tingid bug [*Dictylacheriani* (Drake)] attack? *Journal of Agriculture and Ecology*, 8: 84-103.
- Haldhar SM, Chet Ram and Singh D. (2019). Biotic stress (insect) of aonla (*Embllica officinalis*) in arid region of India: a review. *Journal of Agriculture and Ecology*, 7: 16-26.
- Hijam Chuwang, J.M. Laishram, N.Okendro Singh and Konsam Cha Shamananda (2019). The cluster and Principal Component Analyses of Maize Landraces of Manipur, India. *International Journal of Agricultural Science and Research*, 9(4): 157-164.
- Ichancha. M, Singh, U.C., Singh, A. Herojit and Devi R.S. (2019) – Effect of Different sources of nitrogen on the growth, flowering and yield of African Marigold (*Tagetes erecta* L.) cv. Summer Sugat. *The Pharma. Innovation Journal* 8(7):283-286
- J. Lungdim, Y. S. Devi, K. N. Devi and Y. B. Chanu. (2019). Influence of weed control techniques and establishment method on yield and economics of rain fed lowland rice. *Journal of Crop and Weed* 15(1): 121-126.
- Jamkhogin Lungdim, Th. Tejmani Singh, K. Nandini Devi And Yumnam Sanatombi Devi.(2019). Study on seed priming methods on growth, seed yield and production economics of desi chickpea. *International Journal of Agricultural Sciences* 15(1): 37-42.
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8.3.2. College of Horticulture & Forestry, Pasighat, Arunachal Pradesh

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8.3.5. College of Veterinary Science & A.H., Selesih, Aizawl

- A. Kalita (2019). XXXVI Annual Convention of Indian Association of Veterinary Pathologist and National Symposium on "Advances and in Veterinary Pathology for Fostering One Health, Food Security and Environmental Protection" held during 6th to 8 November 2019 at College of Veterinary Sciences and Animal Husbandry, Central Agricultural University (I), Selesih, Aizawl-796015, Mizoram.
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- B. Konwar, Hitesh Bayan, Kalyan Sarma, Dibyajyoti Talukdar and Nirmali Sarma (2019). Diagnosis of Female Genital System Disorders in Canine. "43rd Annual Congress of Indian Society for Veterinary Surgery and National Symposium" on "Recent Advances on Amelioration of Anaesthetic and Surgical Stress in Farm and Companion Animals" held at Department of Veterinary Surgery and Radiology, College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar from 14th to 16th November, 2019. Page No: 319.
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- P.C. Kalita (2019). International conference on 'Advancements in Veterinary Sciences for Wildlife Conservation' and 13th Annual Meeting of Association of Zoo and Wildlife Veterinarians during 13-15 November 2019 at Centre for Cellular and Molecular Biology (CCMB) in Hyderabad, Telangana.
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8.3.6. College of Agricultural Engineering & PHT, Ranipool, Sikkim

Das SS and Chakraborti P (2019). Fabrication and Selection of Suitable Biomaterial from the Blends of HDHA for Acetabular Component of Hip Implants by using TOPSIS Method. *INDIATRIB-2019 (10th International Conference on Industrial Tribology)*, December, 1-4, 2019, Indian Institute of Science, Bangalore.

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8.3.7. College of Agriculture, Pasighat, Arunachal Pradesh

Kumari, N. and G. Chand (2020). Women empowerment through Mushroom production technology and sustainable livelihood. In: *Regional Seminar on Perspectives of Horti-Business in Development of*

North Eastern Region, from 24-25 February, 2020 held at CHF, Pasighat.

8.3.8. College of Veterinary Sciences & A.H., Jalukie, Nagaland

Abilash, R.S., Metilda, J., Kurien, M.O., and Hiron, M.H. (2019): Frequency of trans vaginal oocyte recovery on oocyte yield and quality in normal and repeat breeder crossbred cattle. *Annual scientific session of xxxv- ISSAR Conference. 18th to 20th Dec-2019, Veterinary College & Research Institute Namakkal, India TANUVAS (Bagged the First prize for best Research paper presentation ISSAR Award -2019)*

Rakshitta, P., Abilash, R.S., Kurien, M.O., Metilda, J. and Prath, M.D. (2019). Influence of dexamethasone and epidermal growth factor on in vitro development of bovine embryo development. *Annual scientific session of xxxv- ISSAR Conference. 18th to 20th Dec-2019, Veterinary College & Research Institute Namakkal, India, TANUVAS. (Bagged the First prize for best Young Scientist ISSAR Award (Oral Presentation 2019)*

8.4. Abstracts Presented and Published

8.4.1. College of Agriculture, Imphal

A.K. Pandey, Ng. Piloo and Ghanshyam Abrol, 2019. Recent advances in Post Harvest Management and Value Addition of Horticultural Crops. In: *Abstract Book, 2nd National Conference on Recent Advances in Science and Technology (NCRASST 2019) held during May 15-17, 2019 under TEQIP III Project as twinning activity with JNTU, Hyderabad organized by Assam Science and Technology University, Jorhat, Guwahati. Pp.6.*

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Cultivation Practices of Guava
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8.9.3. College of Fisheries, Lembucherra, Tripura

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8.9.5. College of Veterinary Sciences & A.H., Selesih, Aizawl

Laboratory manual for ANN of 2nd year BVSc and AH

Laboratory Manual for LPT courses

Laboratory manual for MVSC Animal Nutrition courses

Laboratory Manual for the course Pharmacology & Toxicology for 3rd year BVSc & AH students

Laboratory Manual on Veterinary Medicine – Unit I, Unit II, Unit 4 and Unit 5

Laboratory Manual on Veterinary Physiology – Unit I and Unit II

Laboratory Manual on Veterinary Physiology – Unit III and Unit IV

Manual on VPH Unit 1 - Veterinary Public Health and Food Safety



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Practical Manual Of Veterinary Surgery & Radiology. Course VSR 411 (2+1). Old Course.
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Practical Manual Of Veterinary Surgery & Radiology. Course VSR. New Course.

8.9.6. College of Agricultural Engineering & PHT, Ranipool, Sikkim

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Patle GT (2019). Rain Water Harvesting Systems for Small Scale Farmers.
Patle GT (2019). Gravity Drip Irrigation - Design Guidelines.

8.9.7. College of Agriculture, Pasighat, Arunachal Pradesh

Agro advisory of Citrus decline in Arunachal Pradesh. COA, Pasighat
Marketing and Value chain Analysis of spices in Arunachal Pradesh, CoA, CAU, Pasighat, Training Manual

8.9.8. College of Veterinary Sciences & A.H., Jalukie, Nagaland

A practical manual of Veterinary Biochemistry on General Veterinary Biochemistry
A practical manual of Veterinary Biochemistry on Veterinary Analytical Biochemistry
A practical manual of Veterinary Biochemistry on Veterinary Laboratory Diagnosis
A practical manual of Veterinary Biochemistry on Intermediary Metabolism

Dr. Neithono Kuotsu, Dr. Tukheswar Chutia, Dr. Gunjan Das and Dr. Capt. G. Dhananjaya Rao (2019). Haemorrhagic Septicaemia. (Leaflet)
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Laboratory Manual of Animal Genetics & Breeding Unit –I : Biostatistics and computer application Compiled by Dr. Ksh. Mahesh and Dr. Keyolenu Yore
Laboratory Manual of Animal Genetics & Breeding Unit –II : Principle Genetics and Population Genetics Compiled by Dr. Ksh. Mahesh and Dr. Keyolenu Yore
Laboratory Manual of Animal Genetics & Breeding Unit –III : Principles of Animal Breeding Compiled by Dr. Ksh. Mahesh and Dr. Keyolenu Yore
Laboratory Manual on Unit-1 (General & Systematic Veterinary Bacteriology)
Laboratory Manual on Unit-2 (Veterinary Mycology)
Laboratory Manual on Unit-3 (Microbial Biotechnology)
Laboratory Manual on Unit-4 (Veterinary Immunology and Serology)
Laboratory Manual on Unit-5 (General & Systematic Veterinary Virology)
Lecture Notes of Veterinary Anatomy (As per MSVE-2016 Syllabus)
LPT Manuals : Unit I, II, III & IV, Compiled by Dr. Kevimese Khate
Pamphlet on Rabies Compiled by Dr. Capt. D. Rao, Dean ; Dr. S. Mukherjee, Assoc. Prof. & Dr. R. Singh, Asst. Prof.
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Compiled by Dr. G. Samanta & Dr. Kh. Ratika
Practical manual of Animal Nutrition, Vol.I (Unit I)
Compiled by Dr. G. Samanta & Dr. Kh. Ratika
Practical Manual of Veterinary Anatomy (As per MSVE-2016 Syllabus)
Practical Manual of Veterinary Extension Education (As per MSVE-2016 Syllabus)
Practical Manual of Veterinary Physiology and Biochemistry (As per MSVE-2016 Syllabus)



Practical Manual On Livestock Farm Practices (0+2) 2019
Compiled by Dr. K. Merina Devi, Dr. Keyolenu Yore & Dr. A. Subramanian

Practical Manual on Veterinary Pharmacology : Unit I, II, III, IV & V

Practical Manual on Veterinary Public Health & Epidemiology Unit –I and II 2019-20 Compiled by Dr. S. Mukherjee

Practical Manual on Veterinary Public Health & Epidemiology Unit –III and IV 2019-20 Compiled by Dr. S. Mukherjee

Practical Manual Unit –I Bacterial, Fungal and Rickettsial diseases Compiled by Dr. Gunjan Das, Dr. Sashitola Ozukum, Dr. Neithono Kuotsu and Dr. Keneisezo Kuotsu

Practical Manual Unit –I General Medicine Compiled by Dr. Gunjan Das, Dr. Sashitola Ozukum, Dr. Neithono Kuotsu and Dr. Keneisezo Kuotsu

Practical Manual Unit –II Systemic Diseases Compiled by Dr. Gunjan Das, Dr. Sashitola Ozukum, Dr. Neithono Kuotsu and Dr. Keneisezo Kuotsu

Practical Manual Unit –III Zoo and Wild animal Medicine Compiled by Dr. Gunjan Das, Dr. Sashitola Ozukum, Dr. Neithono Kuotsu and Dr. Keneisezo Kuotsu

Practical Manual: Unit-2: Veterinary Obstetrics, Veterinary Gynaecology and Obstetrics (2+1). Dr. Tukheswar Chutia, Dr. N. Bhumapati Devi and Dr. M.O. Kurien (2019).

Practical manual on General Livestock Production Management (Unit I) Compiled by Dr. Imtiwati, Dr. K. Merina Devi & Dr. T. Gyaneshori

Practical manual on Swine, Equine, Yak & Camel (Unit III) Compiled by Dr. Imtiwati, Dr. K. Merina Devi & Dr. T. Gyaneshori

Practical manual on Wildlife & (Unit II) Compiled by Dr. Imtiwati, Dr. K. Merina Devi & Dr. T. Gyaneshori

Unit-1 General Veterinary Pathology

Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Unit-2 Systemic Veterinary Pathology

Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Unit-3 Animal Oncology, Veterinary Clinical Pathology And Necropsy. Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Unit-4 Pathology Of Infectious And Non-Infectious Diseases Of Domestic Animals. Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Unit-5 Avian Pathology Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Unit-6 Pathology Of Diseases Of Laboratory And Wild & Animals Compiled By Dr. Laltlankimi & Dr. Amrit Gogoi

Veterinary Anaesthesiology (Unit –II) Compiled by Dr. Capt. G.D. Rao, Dr. Gunjan Das and Dr. Reihii John

Veterinary Clinical Practices I. Compiled by Dr. Gunjan Das, Dr. Ashis KU Mohapatra, Dr. N. Bhumapati Devi, Sashitola Ozukum, Reihii John, Madesh E, Tukheswar Chutia, Neithono Kuotsu, Andrew Lalruatkima.

Veterinary Diagnostics Imaging Techniques (Unit –III) Compiled by Dr. Capt. G.D. Rao, Dr. Gunjan Das and Dr. Reihii John

Veterinary General Surgery (Unit –I) Compiled by Dr. Capt. G.D. Rao, Dr. Gunjan Das and Dr. Reihii John

Veterinary Laboratory Diagnosis Compiled By Dr. Laltlankimi, Dr. Gunjan Das, Dr. Lalsangpuii, Dr. Amrit Gogoi, Dr. Rajkumari Mandakini Devi, Dr. Lalchawimawia Ralte

Veterinary Laboratory Diagnosis Compiled by Dr. Laltlankimi, Dr. Gunjan Das, Dr. Lalsangpuii, Dr. Amrit Gogoi, Dr. Rajkumari Mandakini Devi, Dr. Lalchawimawia Ralte

8.9.9. College of Horticulture, Bermiok, Sikkim

a) Flexes

CAU/COH/Bermiok/2018/Flex Chart No.10- Organic production technology of Avocado-Prepared by Dr. C. Mukim

CAU/COH/Bermiok/2018/Flex Chart No.11- Organic production technology of Guava-Prepared by Dr. C. Mukim

CAU/COH/Bermiok/2018/Flex Chart No.12- Organic production technology of Kiwifruit-Prepared by Dr. C. Mukim

CAU/COH/Bermiok/2018/Flex Chart No.13- Organic production technology of Sikkim Mandarin-Prepared by Dr. C. Mukim

CAU/COH/Bermiok/2018/Flex Chart No.14- Organic production technology of Passionfruit-Prepared by Dr. C. Mukim

CAU/COH/Bermiok/2018/Flex Chart No.15- Important Insect Pest of Guava (*Psidium guajava*)-Prepared by Dr. P. Bhumita

CAU/COH/Bermiok/2018/Flex Chart No.16- Important Insect Pest of Mango (*Mangifera indica*)-Prepared by Dr. P. Bhumita



CAU/COH/Bermiok/2018/Flex Chart No.17- Organic Cultural Practices of Chayote in Sikkim-Prepared by Dr. Diana Sagolsem

CAU/COH/Bermiok/2018/Flex Chart No.18- College of Horticulture- At a Glance-Prepared by Dr. Diana Sagolsem

CAU/COH/Bermiok/2018/Flex Chart No.19- Organic Cultural Practices of Ginger in Sikkim-Prepared by Dr. Diana Sagolsem

CAU/COH/Bermiok/2018/Flex Chart No.20- Organic Cultural Practices of Cardamom in Sikkim-Prepared by Dr. Diana Sagolsem

CAU/COH/Bermiok/2018/Flex Chart No.21- Organic Cultural Practices of Turmeric in Sikkim-Prepared by Dr. Diana Sagolsem

CAU/COH/Bermiok/2018/Flex Chart No.22- Important Diseases of Cardamom-Prepared by Dr. Diganggana Talukdar

CAU/COH/Bermiok/2018/Flex Chart No.23- Important Diseases of Mango-Prepared by Dr. Diganggana Talukdar

CAU/COH/Bermiok/2018/Flex Chart No.24- Organic Cultivation of Gerbera under Polyhouses -Prepared by Dr. D. Sarmah

CAU/COH/Bermiok/2018/Flex Chart No.25- Organic Cultivation of Tuberose-Prepared by Dr. D. Sarmah

b) Leaflets

Green house production of Tomato (*Solanum lycopersicum* L) in Sikkim. CAU/COH/2018/Leaflet 15. Prepared by Dr Sudip Das

Important diseases of Large Cardamom (*Amomum subulatum*) in Sikkim and its Management. CAU/COH/2018/Leaflet 9. Prepared by Dr. Diganggana Talukdar

Important diseases of Mandarin (*Citrus reticulata*) in Sikkim and its management. CAU/COH/2018/Leaflet 8. Prepared by Dr. Diganggana Talukdar

Important diseases of Turmeric (*Cucuma longa* L) in Sikkim and its management. CAU/COH/2018/Leaflet 10. Prepared by Dr. Diganggana Talukdar

Integrated management of insect pest of large Cardamom (*Amomum subulatum* Roxb.) CAU/COH/2018/Leaflet 11. Prepared by Dr. P. Bhumita

Kiwi Fruit/Chinese Gooseberry (*Actinidia deliciosa*) CAU/COH/2018/Leaflet 12. Prepared by Dr M.R. Gurung

Major insect pest of Citrus: A field diagnostic aid CAU/COH/2018/Leaflet 16. Prepared by Dr. P. Bhumita

Major insect pest of Tomato (*solanum lycopersicum* L) and their management CAU/COH/2018/Leaflet 14. Prepared by Dr. P. Bhumita

Management of Sikkim Mandarin Orchard. CAU/COH/2018/Leaflet 13. Prepared by Dr M.R. Gurung

Package and practices of growing Cymbidium orchid. CAU/COH/2018/Leaflet 2. Prepared by Dr Dipika Sarmah

Package and practices of growing marigold (*tagetes* sp.) CAU/COH/2018/Leaflet 3. Prepared by Dr Dipika Sarmah

Package and practices of Tomato (*Solanum lycopersicum* L) Cultivation in Sikkim. CAU/COH/2018/Leaflet 6. Prepared by Dr Diana Sagolsem

C) Training leaflets

Important insect pest of horticultural crops and their management. CAU/COH/2020/Leaflet T8. Prepared by Dr. P. Bhumita

Intellectual Property Rights in Plant Breeding. Prepared by Dr. Sapam Rajesh Kumar and Dr. Diana Sagolsem

Management of Important diseases of horticultural crops and their management CAU/COH/2020/Leaflet T6. Prepared by Dr. Diganggana Talukdar

Practice of crop regulation in Guava (*Psidium guajava*). CAU/COH/2020/Leaflet 7 Prepared by Dr. Yamuna Pandey

Production technology of Gerbera and Carnation. CAU/COH/2020/Leaflet 5. Prepared by Dr. Dipika Sarmah



VISITORS

9



VISITORS AT CAU, IMPHAL

The university witnessed the visits of 120 eminent personalities at different college campuses located in seven states of the north

East hill region of India during the year 2019-20. The visitors included eminent administrators, scientists, faculties, meritorious students and progressive farmers of varied experiences.

College of Agriculture, Imphal

Sl. No.	Visitors' Name	Designation	Organisation/ Address	Purpose of Visit	Date of Visit
1.	Smt. Neerja Adidam	Joint Secretary (INM)	Ministry of Agriculture and Farmers' Welfare, Dept. of Agriculture, CO-operation and Farmers' Welfare, Govt. of India.		20.05.19
2.	Shri Anil Gaba	International Photographer		Workshop on Photography	11.09.19
3.	Shri R.K. Ranjan	Hon'ble M.P., Lok Sabha	Govt. Of India	Chief Guest Freshers' Meet	14.09.19
4.	Dr. R.K.Nimai Singh	IAS(Retd)		President Seed Festival	12.10.19.
5.	L. Anita Chanu	Dhyan Chand Awardee		Chief Guest Games and Sports Meet	24.10.19
6.	Dr. Najma Heptulla	Hon'ble Governor, Manipur	Govt. Of India	Chief Guest Opening ceremony Inter College Youth Festival (CAU)	18.09.19
7.	Shri L. Jayanta Kumar Singh	Hon'ble Minister, Health, Family Welfare, Law & Legislative, Art & Culture.	Govt. Of Manipur	Chief Guest Closing ceremony, Inter College Youth Festival (CAU)	21.11.19
8.	Ms. Nemcha Kipgen	Hon'ble Minister, Social Welfare and Co-operation	Govt. of Manipur.	Chief Guest Women's Day	05.03.20
9.	Dr. Jamini Devi	Writer and Social Activist		Speaker Women's Day	05.03.20

VISITORS



College of Horticulture & Forestry, Pasighat, Arunachal Pradesh

Sl. No.	Visitors' Name	Designation	Organisation/address	Purpose of Visit	Date of Visit
1	Shri Kiren Rijju	Hon'ble Minister of State (Independent Charge)	Minister of Youth Affairs and Sports Minister of State in the Ministry of Minority Affairs Govt. of India	Inauguration of P.G. Girls' Hostel and Indoor sports complex	10.09.19
2	Shri Pema Khandu	Chief Minister	Govt. of Arunachal Pradesh Itanagar	Inauguration of P.G. Girls' Hostel and Indoor sports complex	10.09.19
3	Shri P. D. Sona	Speaker of Assembly	Govt. of Arunachal Pradesh Itanagar	Inauguration of P.G. Girls' Hostel and Indoor sports complex	10.09.19
4	Shri. Alo Libang	Minister of Health & Family Welfare Social Welfare, Women & Child Development, Social Justice, Empowerment & Tribal	Govt. of Arunachal Pradesh Itanagar	Inauguration of P.G. Girls' Hostel and Indoor sports complex	10.09.19
5	Shri Tage Taki	Minister of Agriculture, Horticulture, Animal Husbandry and Veterinary, Dairy Development and Fisheries	Govt. of Arunachal Pradesh Itanagar	Inauguration of P.G. Girls' Hostel and Indoor sports complex	02.09.19
6	Shri Mama Natung	Sports and Youth Affairs Department, Minister of Water Resources	Govt. of Arunachal Pradesh, Itanagar	Inauguration of P.G. Girls' Hostel and Indoor sports complex	10.09.19
7	Shri Gabriel D Wangsu	MLA	Kanubari, Arunachal Pradesh	To attend 13 th CAU-Regional Agri Fair-2019 -20	11.11.19
8	Prof V Damodara Naidu	Vice-Chancellor	Acharya NG Ranga Agricultural University, Andhra Pradesh	To attend 13 th CAU-Regional Agri Fair-2019 -20	11.11.19
9	Shri P. D. Sona	Speaker of Assembly	Govt. of Arunachal Pradesh Itanagar	To attend 13 th CAU-Regional Agri Fair-2019 -20	11.11.19



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Visitors' Name	Designation	Organisation/address	Purpose of Visit	Date of Visit
10	Shri Kaling Moyong	MLA,	38 Legislative Assembly, Pasighat	To attend 13 th CAU-Regional Agri Fair-2019 -20	13.11.19
11	Prof. Saket Kushwaha	Vice Chancellor	Rajib Gandhi University, Itanagar, Arunachal Pradesh	To attend 13 th CAU-Regional Agri Fair-2019 -20 and Regional Seminar on Perspectives of Horti-Business in Development of North Eastern Region	24.02.20– 25.02.20 and 11.11.19
12	Dr. B. M. C. Reddy	Ex Director, CISH Lucknow	Central Institute for Subtropical Horticulture, Rehmankhera, Lucknow	Review team of GOI for oil palm development programme in Arunachal Pradesh	20.11.19– 21.11.19
13	Dr. S. Arul Raj	Ex Director, IOPR	Indian Institute for Oil Palm Research, Pedavegi, Andhra Pradesh	Review team of GOI for oil palm development programme in Arunachal Pradesh	20.11.19– 21.11.19
14	Dr. Ravi Mathur	Director, IOPR	Indian Institute for Oil Palm Research, Pedavegi, Andhra Pradesh	Review team of GOI for oil palm development programme in Arunachal Pradesh	20.11.19– 21.11.19
15	Prof. H.S. Yadav	Director	NERIST, Itanagar, Arunachal Pradesh	To attend 13 th CAU-Regional Agri Fair-2019 -20	11.11.19
16	Prof. (Maj.) Ashok Kumar	Vice Chancellor	Apex Professional University, Pasighat	To attend 19 th Annual College Week	01.10.19
17	Dr. Ms. Kinny Singh,	Dy. Commissioner,	Pasighat, East Siang District, Arunachal Pradesh	To attend Second review meeting of RKVY-RAFTAAR Agri-Business incubators and Launching of AOP and Inauguration of Two-Months Hands-on Internship Programme and To attend 13 th CAU-Regional Agri Fair-2019 -20	08.07.19 and 16.09.19 and 13.11.19
18	Shri. Rajiv Ranjan Singh	Superintendent of Police	East Siang district, Pasighat, Arunachal Pradesh	To attend Second review meeting of RKVY-RAFTAAR Agri-Business incubators	16.09.19

VISITORS



Sl. No.	Visitors' Name	Designation	Organisation/address	Purpose of Visit	Date of Visit
19	Prof. A.N. Maurya	Ex-Director, Insitute of Agriculral Science,	BHU, Varanasi	To attend college extension advisory committee meeting	29.04.19
20	Dr. K.K. Jindal	Ex- Director of Research	CAU, Imphal	To attend Board of Studies Meeting	15.05.19
21	Dr. A.K. Tripathi	Director	ATARI, Guwahati	To attend interface meeting and College Extension advisory Committee Meeting	29.04.19
22	Dr. Kaling Dai	District Medical Officer	East Siang, Pasighat, Arunachal Pradesh	To attend 19 th Annual College Week	01.10.19
23	Dr. Gopa Kumaran Nair	General Manager,	NABARD, Itanagar had graced the occasion as Guest of Honour.	To attend Regional Seminar on Perspectives of Horti-Business in Development of North Eastern Region	24.02.20 – 25.02.20
24	Dr. H. Kalita	Director	ICAR,Basar, Arunachal Pradesh	To attend interface meeting	29.04.19
25	Smt. Y.J. Lego	DDA	East Siang, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
26	Shri Sango Dini	ADA	GTC, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
27	Dr. Talo Taggu	DVO	Pasighat, Arunachal PraDESH	To attend interface meeting	29.04.19
28	Shri K.P. Singh	Deputy Manager	Axis Bank,Pasighat Arunachal Pradesh	To attend interface meeting	29.04.19
29	Dr. Monika Panggam	SMS	KVK, Roing, Arunachal Pradesh	To attend interface meeting	29.04.19
30	Shri A.K. Pandit	ADA (Edu)	GTC, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
31	Shri S,N. Saikia	ADA	FTC, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
32	Shri Rigam Riba	ADA(T)	GTC, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
33	Shri Santiram Sarkar	FDO	DFDO, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
34	Shri Jagang Jerang	ADA	GTC, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19
35	Shri Oter Gao	DHO	East Siang District, Pasighat, Arunachal Pradesh	To attend interface meeting	29.04.19



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Sl. No.	Visitors' Name	Designation	Organisation/address	Purpose of Visit	Date of Visit
36	Mr. Dagmo Riba,	Assistant Director	Dept. of Textile and Handicraft, East Siang	To attend interface meeting	29.04.19
37	Shri Lohit Sonwal	Scientist-C,	Silk Board, Sille, Arunachal Pradesh	To attend interface meeting	29.04.19

College of Fisheries, Lembucherra, Tripura

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
1	Dr. B.K Kandpal	Joint Director, ICAR, Tripura	ICAR, Tripura	Interface meeting of the stakeholders of agriculture and allied sector of Tripura	02.05.19
2	Dr. D.P Sarkar	Director, Dept. of Agriculture	Dept. of Agriculture, Govt. of Tripura		
3	Mr. Dilip Kumar Chakma	Director, Fisheries & ARDD	Dept. of Fisheries, Govt. of Tripura	Consultative meet	25.09.19
4	Mr. Sunil Kumar	GM, NABARD			
5	Dr. G. Venkateshwarlu	ADG (EQA&R),	ICAR	One day workshop on "Intellectual property rights (IRP)" on	04.05.19
6	Dr. S. N. Puri	Former Vice-Chancellor, CAU Imphal	-	Visit and interaction	13.05.19
7	Dr. Rakhi Debbarma	Dental Surgeon, IGM,Hospital		Celebration of International Day of Yoga	21.06.19
8	Prof. Kaptan Singh Solanki	Hon'ble Governor of Tripura,	Govt. of Tripura		10.07.19
9	Shri Rameshwar Das	Secretary (Fisheries), Govt. of Tripura	Govt. of Tripura	BOM, meeting	10.07.19 11.07.19
10	Shri L. Baite	IFS, Manipur	Govt. of Manipur		11.07.19
11	Dr. (Mrs.) C. Jamini Devi	Social Worker, manipur	-		11.07.19
12	Mr. Lalsawnzuala	Progressive Farmer, Mizoram	-		11.07.19
13	Dr. K. M. Bujarbaruah	VC, AAU, Assam	Govt. of Assam		11.07.19
14	Dr. D. P. Ray	Ex-VC ,OUAT, Bhubneswar	-		11.07.19

VISITORS



Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
15	Shri. N.C Debbarma	Ministry of Revenue and Fisheries , Govt of Tripura	Govt of Tripura	Inaugural programme of training	17.09.19
16	Miss Sikha Verma	Consultant, CCS NIAM, Jaipur.	NIAM, Jaipur.		17.09.19
17	Shri. Pavan Kumar	Principal, Krndriya Vidyalaya, CRPF, Dumdamia		Hindi Pakhwada	14.09.19
18	Shri. Umesh Kumar Pandey	Chief General Manger, ONGC, Agartala			14.09.19
19	Dr. Atul Debbarman	Hon'ble MLA Tripura		Inaugural programme of College week	27.09.19
20	Mr.Ratanlal Nath	Minister of Education, Govt. of Tripura		Foundation Day	03.10.19
21	Mrs. Pratima Bhowmik	Member of parliament			
22	Mr.Dilip Kumar Chakma	Director of Fisheries, Govt. of Tripura	Govt. of Tripura	Consultative meet	19.11.19
23	Shri.Sanjay Kumar Rakesh	Secretary ,Ministry of Fisheries, Government of Tripura			

College of Home Science, Tura, Meghalaya

Sl. No.	Visitors' Name	Designation	Organisation / Address	Purpose of Visit	Date of Visit
1	Dr. M.M. Adhikary	Former Vice Chancellor (Retd.),	BCKV, West Bengal	Official	15.05.19
2	Mr. S.S. Basak	General Manager	Bridge & Roof, Kolkata	Official	10.07.19
3	Dr. I. Shakuntala	Joint Director	ICAR (RC), Shillong	Official	19.09.19
4	Dr. A.K. Jha	Prof. & I/c	Horticulture Head, ICAR, Umiam	Official	19.09.19
5	Sh. P. Ghosh	A.O.	ICAR (RC), Umiam	Official	19.09.19
6	Sh. Ram Singh	Deputy Commissioner	West Garo Hills	Official	20.09.19
7	Sh. M.D. Areng	District Agriculture Officer	West Garo Hills	Official	05.12.19



College of Post Graduate Studies in Agricultural Sciences, Barapani, Meghalaya

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
1	Dr. Trilochan Mohapatra	Hon'DG, ICAR and Secretary, DARE	Krishi Bhawan, New Delhi, Gol	College visit & inauguration of 'Student's utility centre'	01.06.19
2	Dr. A.K. Singh,	DDG, ICAR (Agricultural Extension)			
3	Dr. B.C. Deka,	Director, ICAR, ATARI, Umiam, Meghalaya			28.09.19
4	Dr. Shailendra Kumar Singh.	Professor, Department of Languages, North Eastern Hill University, Meghalaya			13.09.19

College of Veterinary Sciences & A.H., Selesih, Aizawl

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
1	Shri. Pu C. Lalrosanga	Hon'ble Member of Parliament (Lok Sabha),	Aizawl, Mizoram	College Foundation Day	30.10.19
2	Dr A Bandyopadhyay	Ex National Coordinator, ICAR and Advisor, m4agri Project,	Kolkata	To initiate m4agri project at CVSc & AH, CAU, Selesih, Aizawl	12.11.19-15.11.19
3	Dr. T S Anurag	Principal Research Scientist,	Ministry of Electronics and IT, DIC, New Delhi	-do-	12.11.19-15.11.19

College of Agricultural Engineering & PHT, Ranipool, Sikkim

Sl. No.	Visitors' Name	Designation	Organisation/ Address	Purpose of Visit	Date of Visit
1	Dr. Nawab Ali	Former DDG (Agril. Engg.)	ICAR, New Delhi	External Expert of Selection Committee	26.06.19
2	Dr. R. P. Singh	Ex- Director	Institute of Agril. Science, BHU, Varanasi, UP	External member to attend 19 th Academic Council Meeting of CAU, Imphal	27.06.19
3	Dr. Gajendra Singh	Former DDG (Agril. Engg.)	ICAR, New Delhi	External Expert of Selection Committee	25.06.19 to 27.06.19
4	Dr. B. S. Bisht	Former Vice Chancellor	GBPUAT, Pantnagar	External Expert of Selection Committee	25.06.19 to 27.06.19
5	Dr. S. Ayyapan	Chancellor	CAU, Imphal	Interaction programme with statutory officer of CAU, Imphal	25.06.19 to 27.06.19
6	Dr. R. K. Singh	PC, AICRP on PET	CIFT-ICAR, Ludihana	External Expert of Selection Committee	25.06.19 to 27.06.19

VISITORS



Sl. No.	Visitors' Name	Designation	Organisation/ Address	Purpose of Visit	Date of Visit
7	Dr. P. Senthil Kumar	Commissioner,	Rural Development Department. Govt. of Sikkim	Chief Guest of a training course	26.09.19
8	Dr. D. P. Roy	Member BOM	CAU, Imphal	Visit the college	23.10.19
9	Mr. Sunil Pradhan	Director	Directorate of Fisheries, Govt. of Sikkim	Chief Guest of a Training Programme	05.03.20

College of Agriculture, Kyrdemkulai, Meghalaya

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
1	Dr. B. C. Deka	Director	ICAR-ATARI, Umiam	He visited College of Agriculture, Kyrdemkulai and involved in inauguration of the Integrated Farming System Model at college of Agriculture, Kyrdemkulai campus.	08.04.2019
2	Dr. A. K. Tripathi	Director	ATARI, Guwahati	He visited College of Agriculture, Kyrdemkulai and involved in inauguration of the Integrated Farming System Model at college of Agriculture, Kyrdemkulai campus.	08.04.19
3	Dr. P.L. N. Raju	Director	NESAC, Umiam	He visited College of Agriculture, Kyrdemkulai and involved in inauguration of the Integrated Farming System Model at college of Agriculture, Kyrdemkulai campus.	08.04.19
4	Dr. A. K. Singh	Former DDG (NRM)	ICAR, New Delhi	He also visited the IFS model of College of Agriculture, Kyrdemkulai	30.06.19
5	Dr. Dinabandhu Sahoo	Director	IBSD, Imphal	He visited College of Agriculture, Kyrdemkulai. He joined the inauguration function of Foundation Stone of Orchid Production Unit.	02.10.19
6	Prof. Bibhuti Bhusan Biswal	Director	NIT, Shillong-793022, Meghalaya	He visited College of Agriculture, Kyrdemkulai and also attended farmers-IRRI scientists' interaction cum 2 nd Foundation Day programme at the campus.	24.02.20
7	Dr. Shobhana K Pattanayak	Director General	ASCOI Hyderabad and Former Secretary, Ministry of Agriculture, cooperation and Farmers Welfare, Govt. of India	He visited College of Agriculture, Kyrdemkulai. During his visit he saw the Integrated Farming System Model site and orchiderium at College of Agriculture, Kyrdemkulai.	05.03.20



CENTRAL AGRICULTURAL UNIVERSITY ANNUAL REPORT 2019-20

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
8	Dr. Ashok Dalwai	CEO	NRAA, New Delhi	He visited College of Agriculture, Kyrdemkulai. During his visit he saw the Integrated Farming System Model site and orchiderium at College of Agriculture, Kyrdemkulai.	06.03.20

College of Horticulture, Thenzawl, Mizoram

Sl. No.	Visitor's Name	Designation with Address	Purpose of Visit/ Place of Visit	Date of Visit
1.	Dr. Lalmuanpuia Samte	Manager Duck & Poultry, Thenzawl, Govt. Of Mizoram	Chief Guest	04.02.20
2	Mr. Pu Dawngkima	Chairman, Vengthar Village Council		04.02.20
3	Mr. K. Lalitlanmawia	SDAO Agriculture Department, Serchhip District.	Chief Guest	11.03.20
4	Mr..E. Abraham Abednago	Principal, JawaharNavodayaVidyalaya (J NV), Thenzawl, Mizoram	Resource person and delivered a lecture on Fuel Conservation	11.03.20
5	Shri. R. Sathiyasundaram	Superintendent of Police, Serchipp district, Mizoram	Resource person in the student's interaction programme	12.03.20
6	Dr. V. Govindasamy	Scientist, Division of Microbiology, ICAR, Indian Agricultural Research Institute, Pusa Campus, New Delhi-110012	Resource person in the student's interaction programme	12.03.20
7	Dr. Rama Prashant	Scientist, Division of Genetics, ICAR, Indian Agricultural Research Institute, Pusa Campus, New Delhi-110012	Resource person in the student's interaction programme	12.03.20
8	Dr. P. Venkatesh	Sr. Scientist, Division of Agril. Economics, ICAR, Indian Agricultural Research Institute, Pusa Campus, New Delhi-110012	Resource person in the student's interaction programme	12.03.20

College of Veterinary Sciences & A.H., Jalukie, Nagaland

Sl. No.	Visitors' Name	Designation	Purpose of Visit	Date of Visit
1	Shri. Giriraj Singh	Union Minister of Fisheries, Animal Husbandry and Dairying.	Inauguration of Girls' Hostel and Veterinary Clinical Complex	9.11.19

VISITORS



Sl. No.	Visitors' Name	Designation	Purpose of Visit	Date of Visit
2	Shri.R. Khing	Advisor AH and Vety. Services and Women Resource Development, Nagaland	Inauguration of Girls' Hostel and Veterinary Clinical Complex	9.11.19
3	Dr.S. Ayyappan	Chancellor of CAU, Imphal and former Secretary DARE & Director General ICAR, Govt. of India	Inauguration of Vet care on Wheels	16.12.19

College of Food Technology, Imphal

Sl. No.	Visitors' Name	Designation	Organisation/ address	Purpose of Visit	Date of Visit
1	Smt. Neerja Adidam	Joint Secretary (INM)	Ministry of Agriculture and Farmers' Welfare, Dept. of Agriculture, Co-operation and Farmers' Welfare, Govt. of India.		20.05.19
2	Shri Anil Gaba	International Photographer	-	Workshop on Photography	11.09.19
3	Shri. R.K. Ranjan	Hon'ble M.P., LokSaha	Govt. of India	Chief Guest Freshers' Meet	14.09.19
4	Dr. R.K. Nimai Singh	IAS (Retd)	-	President Seed Festival	12.10.19
5	L. Anita Chanu	Dhyan Chand Awardee	-	Chief Guest Games and Sports Meet	24.10.19
6	Dr. Najma Heptula	Hon'ble Governor, Manipur	Govt. of India	Chief Guest, Opening Ceremony, Inter College Youth Festival	18.11.19
7	Shri L. Jayanta Kumar Singh	Hon'ble Minister, Health & family welfare, Law & Legislative, Arts & culture	Govt. of Manipur	Chief Guest, Closing ceremony, Inter College youth Festival	21.11.19
8	Ms. Nemcha Kipgen	Hon'ble Minister, Social Welfare and Co-operative,	Govt. of Manipur	Chief Guest, Women's Day	05.03.20
9	Dr. Jamini Devi	Writer and Social Activist	-	Speaker Women's Day	05.03.20



APPENDIX



Board of Management

The list of members of the Board of Management is given below:

Dr. M. Premjit Singh,

Vice-Chancellor,

Ex-Officio Chairman under sub-clause (i)

1. Secretary (Agriculture)

Government of Nagaland, Kohima

Ex-Officio Member under sub-clause (ii)

2. Secretary (Forest)

Government of Mizoram, Aizawl

Ex-Officio Member under sub-clause (ii)

3. Secretary (Animal Husbandry)

Government of Sikkim, Gangtok

Ex-Officio Member under sub-clause (ii)

4. Dr. Arvind Kumar

Vice-Chancellor,

Rani Lakshmi Bai Central Agricultural University,
Jhansi, Uttar Pradesh

E-mail: vcrlbcau@gmail.com

Member under sub-clause (iii)

5. Dr. K.M. Bujarbaruah

Vice-Chancellor

Assam Agricultural University

Jorthat- 78501

E-mail : kmvujarbaruah@rediffmail.com

Member under sub-clause (iii)

6. Dr. D.P. Ray

Former VC, OUAT, Bhubaneswar

HIG, 105, K-5, Kalinga Odisha

E-mail : dpray1949@gmail.com

Member under sub-clause (iv)

7. Shri. Chiranjit Chaliha

Former Chairman, Assam State Fertilizer Corp. Ltd.

5, Hem Chandra Road, Uzam Bazar,
Guwahati,- 781001, Assam

Member under sub-clause (iv)

8. Deputy Director General (Edn)

ICAR, Krishi Anusandhan Bhavan-II, Pusa,
New Delhi-110 012

Tel: 011 - 25841760 (O) 25843932 (F)

E-mail: ddgedn@icar.org.in, ddgedn@gmail.com

Ex-Officio Member under sub-clause (v)

9. Secretary,

North Eastern Council, Shillong, Meghalaya

Tel: 0364-2522644, 2522645 (O) 2522643

(F) Email: secy-nec-meg@nic.in, sect-nec-meg@nic.in

Ex-Officio Member under sub-clause (vi)

10. Dr. R.K. Saha

Director of Extension Education

Central Agricultural University, Imphal

E-mail : dee_cau@yahoo.co.in

Member under sub-clause (vii)

11. Dr. B.N. Hazarika

Dean (i/c), College of Horticulture,
Bermiok, Sikkim

E-mail : dean.coh-sik@gov.in

Member under sub-clause (vii)

**12. Shri. Duruth Majaw**

Progressive Farmer, Summer No. 4,
Umsning Block
Ri-Bhoi District, Meghalaya- 793104
E-mail : majaw94@gmail.com
Member under sub-clause (viii)

13. Mr. Lalsawmzuala

Progressive Farmer
Saitual (Tung Factory, Rulkhai)
Aizawl, Mizoram- 796014
E-mail : sawmzawla@msn.com
Member under sub-clause (viii)

14. Dr. (Mrs.) Chongtham Jamini Devi

Former Chairperson, Manipur State
Women Commission & Retired Principal
D.M. College of Commerce, Imphal
Divya Jyoti Ashram (Women & Children
Development Centre)
Changangei Uchekon, Airport Road
Imphal West District, Manipur-795140
Member under sub-clause (x)

15. Dr. Anil Pratap Singh

Adviser (Agriculture)
NITI Aayog, NITI Aayog Bhawan
National Institution for Transforming India,
GOI
Parliament Street, New Delhi- 110001
E-mail : ap.singh62@gmail.com
Ex-Officio Member under sub-clause (xi)

16. Shri. L. Baite, IFS

Addl. Principal Chief Conservator of Forest,
Dept. of Forest, Govt. of Manipur
Sanjenthong, Imphal East, Manipur
OSD/Forest & Environment
Room No. 32, New Secretariat, 1st Floor,
Babupara, Imphal
E-mail : ifsbaite@gmail.com
Member under sub-clause (xii)

17. Dr. O.P. Chaudhary

Joint Secretary (ANLM)
Department of Animal Husbandry, Dairying
& Fisheries, Ministry of Agriculture, Govt.
of India
Krishi Bhavan, New Delhi – 110114
E-mail: jsdiary-ahd@nic.in, jsdiary64@
gmail.com
Member under sub-clause (xiii)

18. Dr. B.N.S. Murthy

Horticulture Commissioner
Dept. Of Agriculture & Cooperation
Ministry of Agriculture & Farmers' Welfare,
Govt. of India, New Delhi- 110001
E-mail : bns.murthy@gov.in
Member under sub-clause (xiii)

19. Shri. Sushil Kumar

Addl. Secretary, (DARE) & Secretary (ICAR),
Krishi Bhawan, New Delhi – 110001
E-mail : secy.icar@nic.in
Member under sub-clause (xiv)

Dr. K. Mamocha Singh

Registrar, Central Agricultural University, Imphal.
Email: registrar.cau@gov.in, regcau@gmail.com
Ex-Officio Secretary under sub-clause (xv)



Academic Council

The list of the members of the Academic Council of the University is as under:

Dr. M. Premjit Singh,

Vice-Chancellor,

Central Agricultural University, Imphal

Ex-officio Chairman Under sub-clause (i)

Members

1. Dean

College of Agriculture
Iroisemba, Imphal, Manipur
Member under sub-clause (ii)

2. Dean

College of Horticulture & Forestry
Pasighat, Arunachal Pradesh
Member under sub-clause (ii)

3. Dean

College of Veterinary Sciences & A.H.
Selesih, Aizawl, Mizoram
Member under sub-clause (ii)

4. Dean

College of Fisheries
Lembucherra, Agartala, Tripura
Member under sub-clause (ii)

5. Dean

College of Community Science
Tura, West Garo Hills, Meghalaya
Member under sub-clause (ii)

6. Dean

College of Agril. Engineering & P.H.
Technology, Marchak, Gangtok, Sikkim
Member under sub-clause (ii)

7. Dean

College of Post-graduate Studies in
Agricultural Sciences, Barapani, Meghalaya
Member under sub-clause (ii)

8. Dean

College of Agriculture
Pasighat, Arunachal Pradesh
Member under sub-clause (ii)

9. Dean

College of Agriculture
Kyrdemkulai, Meghalaya
Member under sub-clause (ii)

10. Dean

College of Food Technology
Imphal, Manipur
Member under sub-clause (ii)

11. Dean

College of Horticulture
Bermiok, South Sikkim
Member under sub-clause (ii)

12. Dean

College of Horticulture
Thenzawl, Mizoram
Member under sub-clause (ii)

13. Dean

College of Veterinary Sciences & A.H.
Jalukie, Nagaland
Member under sub-clause (ii)

14. Director of Instruction

Central Agricultural University, Imphal
Member under sub-clause (v)



- 15. Director of Research**
Central Agricultural University, Imphal
Member under sub-clause (iii)
- 16. Director of Extension Education**
Central Agricultural University, Imphal
Member under sub-clause (iv)
- 17. Librarian**
College of Agril. Engg. & PHT
Ranipool, Sikkim
Member under sub-clause (vi)
- 18. Dr. Ram Pratap Singh**
Former Director, Institute of Agricultural Sciences
BHU, Varanasi
B. 30/79A, Nagwa, Lanka, Varanasi-221005
Member under sub clause (vii)
- 19. Dr. Gaj Raj Singh**
Ex-DI & Dean
College of Veterinary & A.H, Aizawl,
Flat.No.501, Surya Apartments
Sector-55,Gurgaon-122002,Haryana,
Member under sub-clause (vii)
- 20. Head**
Department of Fruit Science
College of Horticulture & Forestry
Pasighat, Arunachal Pradesh
Member under sub-clause (viii)
- 21. Head**
Department of Plant Breeding & Genetics
College of Agriculture
Iroisemba, Imphal, Manipur
Member under sub-clause (viii)
- 22. Head**
Department of Microbiology
College of Veterinary Sciences & A.H.
Selesih, Aizawl, Mizoram
Member under sub-clause (viii)
- 23. Head**
Department of Aquaculture
College of Fisheries
Lembucherra, Agartala, Tripura
Member under sub-clause (viii)
- 24. Head**
Department of Food & Nutrition
College of Community Science
Tura, West Garo Hills, Meghalaya
Member under sub-clause (viii)
- 25. Head**
Department of Farm, Power & Machinery
College of Agril. Engineering & P.H.T.
Ranipool, Gangtok, Sikkim
Member under sub-clause (viii)
- 26. Chairman/In charge**
School of Crop Protection
College of Post Graduate Studies in Agril.
Sc., Barapani, Meghalaya
Member under sub-clause (viii)
- 27. Nominee of North-Eastern Council,**
Shillong, Meghalaya
Member under sub-clause (ix) .

Dr. K. Mamocha Singh.
Registrar, Central Agricultural University,
Imphal, Manipur.
Ex-officio Secretary Under sub-clause (x)



Research Council

The members of the Research Council of the University are as follows:

Prof. M. Premjit Singh

Vice-Chancellor,

Central Agricultural University,

Imphal, Manipur.

Ex-officio Chairman Under sub-clause (i)

Members

1. Director

Directorate of Instruction

Central Agricultural University, Imphal

Ex-officio Member under sub-clause (iii)

2. Director

Directorate of Extension Education

Central Agricultural University, Imphal

Ex-officio Member under sub-clause (ii)

3. Dean,

College of Agriculture

Iroisemba, Imphal

Ex-officio Member under sub-clause (iv)

4. Dean

College of Horticulture & Forestry

Pasighat, Arunachal Pradesh

Ex-officio Member under sub-clause (iv)

5. Dean

College of Veterinary Sciences & A.H.

Aizawl, Mizoram

Ex-officio Member under sub-clause (iv)

6. Dean

College of Fisheries

Lembucherra, Tripura

Ex-officio Member under sub-clause (iv)

7. Dean

College of Community Science

Tura, Meghalaya

Ex-officio Member under sub-clause (iv)

8. Dean

College of Agril. Engg. & P.H.T.

Gangtok, Sikkim

Ex-officio Member under sub-clause (iv)

9. Dean

College of Post Graduate Studies in

Agricultural Sciences

Barapani, Meghalaya

Ex-officio Member under sub-clause (iv)

10. Director

Directorate of Agriculture, Government of

Manipur, Imphal

Nominee under sub-clause (iv)

11. Director

Directorate of Horticulture, Government

of Arunachal Pradesh, Itanagar

Nominee under sub-clause (iv)

12. Director

Directorate of Fisheries,

Government of Tripura, Agartala

Nominee under sub-clause (iv)



- 13. Director**
Directorate of Animal Husbandry & Veterinary, Government of Mizoram, Aizawl
Nominee under sub-clause (iv)
- 14. Addl. Principal Chief Conservator of Forests (R &T)**
Govt. of Meghalaya, Shillong
Nominee under sub-clause (v)
- 15. Director**
Directorate of Food Security & Agriculture Development, Government of Sikkim Gangtok
Nominee under sub-clause (v)
- 16. Research Co-ordinator & Member Secretary,**
College Research Advisory Committee (CRAC) of all constituent colleges (Agriculture, Veterinary Sc. & A.H., Fisheries, Horticulture & Forestry, Community Sc., PG Studies & Agricultural Engg. & PHT)
Nominee under sub-clause (iv)
- 17. Dr. N.K. Krishna Kumar**
Regional Representative, South & Central Asia, Biodiversity International India, G-1, B-Block, NASC Complex, DPS Marg, Pusa Campus, New Delhi- 110012
E-mail : k.kumar@cgiar.org
Member under sub-clause (vii)
- 18. Dr. A.C. Varshney**
Director General (Former Vice-Chancellor) Ayurvet Ltd.
1st Floor, K.M. Trade Tower (Adjacent to Radisson Blue Hotel)
Plot No. H-3, Sector-14
Kaushambi, Ghaziabad- 201010 (U.P.)
E-mail : varshneyac@gmail.com/
acvarshney@ayurvet.com
- 19. Director**
ICAR Research Complex for NEH Region Umiam, Meghalaya
Special Invitee
- 20. Joint Director of ICAR Research Council for NE Region**
(Arunachal Pradesh, Manipur, Mizoram, Nagaland, Sikkim & Tripura)
Co-opted Members

Ex-officio Member Secretary

Dr. C.A. Srinivasamurthy.
Director of Research,
Central Agricultural University,
Imphal. Manipur.



Extension Education Council

The members of the Extension Education Council of the University are hereunder:

Ex-Officio Chairman

Dr. M. Premjit Singh

Vice-Chancellor, Central Agricultural University, Imphal. Manipur.

Members

1. **Director of Research**
Central Agricultural University, Imphal
Ex-Officio Member under sub-clause (ii)
2. **Director of Instruction**
Central Agricultural University, Imphal
Ex-Officio Member under sub-clause (iii)
3. **Dean**
College of Agriculture
Iroisemba, Imphal, Manipur
Member under sub-clause (iv)
4. **Dean**
College of Horticulture & Forestry
Pasighat, Arunachal Pradesh
Member under sub-clause (ii)
5. **Dean**
College of Veterinary Sciences & A.H.
Selesih, Aizawl, Mizoram
Member under sub-clause (iv)
6. **Dean**
College of Fisheries
Lembucherra, Agartala, Tripura
Member under sub-clause (iv)
7. **Dean**
College of Community Science
Tura, Meghalaya
Member under sub-clause (iv)
8. **Dean**
College of Agril. Engineering & P.H.T.
Ranipool, Gangtok, Sikkim
Member under sub-clause (iv)
9. **Dean**
College of Post-graduate Studies in Agril.
Sc., Barapani, Meghalaya
Member under sub-clause (iv)
10. **Dean**
College of Veterinary Sciences & A.H.
Jalukie, Peren District, Nagaland
Ex-Officio Member under sub-clause (iv)
11. **Director of Agriculture**
Govt. of Manipur, Imphal
Member under sub-clause (v)
12. **Director of Horticulture**
Govt. of Arunachal Pradesh, Itanagar
Member under sub-clause (v)
13. **Director of Fisheries**
Govt. of Tripura, Agartala
Member under sub-clause (v)
14. **Director of Animal Husbandry & Veterinary**
Govt. of Mizoram, Aizawl
Member under sub-clause (v)



15. **Chief Conservator of Forests, Research & Planning**
Govt. of Meghalaya, Shillong
Member under sub-clause (v)
16. **Director**
Food Security & Agriculture Development
Govt. of Sikkim, Gangtok
Member under sub-clause (v)
17. **Director of Animal Husbandry & Veterinary**
Govt. of Nagaland, Kohima
Member under sub-clause (v)
18. **Shri Pumte Perme**
Village Ayeng
East Siang District
Arunachal Pradesh
Member under sub-clause (vi)
19. **Shri Potsangbam Devakanta**
Kwakeithel Thokchom Leikai
Potsangbam Leirak, Imphal West- 795001
Member under sub-clause (vi)
20. **Mrs. Rose Mary Bhoirymbong**
Village : Bhoirymbong,
District Ri Bhoi (Meghalaya)
Member under sub-clause (vi)
21. **Mr. Lalsawmzuala, (Rtd. IRS Officer)**
Chairman, L.S. Agro-industries
Development Institution, Saitual,
B-16, Industry Mual, Ramhlun North
Aizawl – 796012 (Mizoram)
E-mail : lalsawmzuala@msn.com
Member under sub-clause (vi)
22. **Shri Shesir Kharka**
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E-mail : shishirkharka@gmail.com,
sundersikkim@gmail.com
Member under sub-clause (vi)
23. **Shri Gourang Pal**
C/o Shri. BaigyaSaha
B.K. Road, Palace Compound
Opposite Women's College, Agartala,
West Tripura
Member under sub-clause (vi)
24. **Mr. Ranglia Thou**
Ngwlwa Village,
Peren District, Nagaland- 797110
E-mail : thouenterprises@gmail.com
Member under sub-clause (vi)
25. **Dr. S. Prabhu Kumar**
Ex-Director (ATARI)
No. 25, DUO Residency, Jakkur Plantations,
Bangalore – 560064
E-mail : prabhukumar@gmail.com
Member under sub-clause (vii)
26. **Dr. Manas Mohan Adhikary**
Ex-Vice-Chancellor
B2/289, Near Shiv Mandir
P.O. Kalyani, Nadia – 741235, West Bengal
E-mail : dradhikary@gmail.com, mma_
bckv@yahoo.co.in
Member under sub-clause (vii)

Ex-officio Secretary

Dr. R.K. Saha

Director of Extension Education, Central Agricultural University, Imphal. Manipur.



Finance Committee

The members of the Finance Committee of the University are given below:

Ex-officio Chairman

Dr. M. Premjit Singh

Vice-Chancellor, Central Agricultural University, Imphal

Members

1. Financial Advisor

Department of Agricultural Research and
Education Government of India
Krishi Bhavan, New Delhi - 110001

2. Dr. K.P. Vishwanatha

Vice-Chancellor
Mahatma Phule Krishi Vidyapeeth
Rahuri, Maharashtra-413 722

3. Dr. M.B. Chetti

Vice-Chancellor
University of Agricultural Sciences
Yettinagudda Campus, Krishi Nagar,
DHARWAD-580 005 (Karnataka)

4. Dr. U.S. Gautam

Vice-Chancellor
Banda University of Agriculture &
Technology
Chilla Road, Banda, U.P.-210 001

5. Shri. Chiranjit Chaliha

Former Chairman
Assam State Fertilizer Corp. Ltd.
5 Hem Chandra Road Uzan
Basar, Guwahati- 781001, Assam

6. Prof. Vanlalchhawna

Finance Officer
Mizoram Central University
Tanhri, Aizawl- 796004, Mizoram

Ex-officio Member Secretary

Shri M.C. Jublani

Comptroller, Central Agricultural University, Imphal. Manipur.



Statutory Officers

The list of Statutory Officers of the university is cited underneath:

Chancellor

Dr. S. Ayyappan
Central Agricultural University, Imphal Manipur

Vice-Chancellor

Dr. M. Premjit Singh
Central Agricultural University, Imphal, Manipur

Director of Instruction

Dr. S. Basanta Singh
Central Agricultural University, Imphal, Manipur

Director of Research

Dr. M. Premjit Singh
Central Agricultural University, Imphal, Manipur

Director of Extension Education

Dr. R.K Saha
Central Agricultural University, Imphal, Manipur

Registrar

Dr. K. Mamocha Singh.
Central Agricultural University, Imphal, Manipur

Comptroller

Shri M. C. Jublani (I/C)
Central Agricultural University, Imphal, Manipur

Dean

Dr. Indira Sarangthem
College of Agriculture, Iroisemba, Imphal, Manipur

Dean

Dr. Y. Jekendra
College of Food Technology, Imphal, Manipur

Dean

Dr. L. Hmar
College of Veterinary Science & Animal Husbandry, Selesih, Aizawl, Mizoram



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Dean

Dr. H. Prasad
College of Horticulture, Thenzawl, Mizoram

Dean

Dr. P.K. Pandey
College of Fisheries, Lembuchera, Agartala, Tripura

Dean

Dr. B.N. Hazarika
College of Horticulture & Forestry, Pasighat, Arunachal Pradesh

Dean

Dr. B.N. Hazarika (I/C)
College of Agriculture, Pasighat, Arunachal Pradesh

Dean

Dr. (Ms.) Puspita Das (I/C)
College of Home Science, Tura, Meghalaya

Dean

Dr. P.P. Dabral
College of Agricultural Engineering & Post Harvest Technology, Ranipool, Gangtok, Sikkim

Dean

Dr. P.P. Dabral (I/C)
College of Horticulture, Bermiok, South Sikkim

Dean

Dr. N.B. Singh
College of Post Graduates Studies, Umiam (Barapani), Meghalaya

Dean

Dr. U.K. Behera
College of Agriculture, Kyrdemkulai, Meghalaya

Dean

Dr. (Capt.) G. Dhanan Jaya Rao
College of Veterinary Science & Animal Husbandry, Jalukie, Nagaland

