



International Conference
on
**"NATURAL FARMING FOR
REVITALIZING ENVIRONMENT AND RESILIENT AGRICULTURE"**

NF – RERA - 2023

(March 17 to 19, 2023)

Organized by

*Central Agricultural University,
Imphal, India - 795004*

3rd Circular

Submission Lead Papers: 25/02/2023

Submission abstracts: 25/02/2023

Notification of acceptance of abstracts: 25/02/2023

Registration for accommodation (paid): 25/02/2023

Venue:

College of Agriculture, CAU, Imphal, Manipur - 795004

Collaborator

Feeding the increasing population nationally and globally requires significant increase in food production during the coming decades despite the increased frequency of climate abbreviation, higher frequency of resistance to herbicides and pesticides, plateauing in the growth of crop productivity due to various environmental impacts on both soil and water quality, carbon content, emission of green house gases and overall the unfavorable factor productivity across the crops and the regions. In addition, there has been challenges in maintaining the required nutritional quality in the agricultural products; byproducts; fruits and vegetables; milk products; demanding a paradigm shifting; process of food production and overall a food system which will help both for food nutrition and environmental security.

India is unique in its ancient wisdom documented in the form of four Vedas, thirteen Upvedas (Upnishads) and a good number of vedantas; the key learning's being that all the living beings including the human beings are made of five basic ingredients collectively called as panch bhootas - Jal, Vaayu, Agni, Aakash and Bhoomi. These pancha bhootas also are the centre to agriculture. Natural farming, therefore, can be explained in terms of proper utilization and management of these bhootas- Jal, Vaayu, Agni, Aakash and Bhoomi.

Natural Farming is purported to be a disruptive farm practice addressing major concerns of farmers regarding rising cost of production. It envisages ecological or regenerative agriculture approaches under which the application of any kind of chemicals to soil biosystems is prohibited. It relies more on soil biology than soil chemistry by encouraging multi cropping, round-the-year soil cover, the addition of formulation made up of cow dung and urine to trigger the microorganisms in the soil system. Plants co-evolve with other organisms in the environment including microbes in a mutually beneficial relationship. This connection has been broken due to adoption of chemical based modern agriculture practices.

Keeping this in view an International Conference on Natural Farming for Revitalizing Environment and Resilient Agriculture (NF-RERA : 2023) has been planned to be held during March 17 to 19, 2023 at Central Agricultural University (CAU), the harbinger of Agriculture Innovation and Agriculture Education in North East India. A cross section of all the stakeholders involved in food systems (including countries, States, intergovernmental organizations (IGO), civil society and the private sector, research, and academic institutions) should hold deliberation on various aspects of agro-ecological and other innovative approaches to foster transformation of food systems by improving resource efficiency, strengthening resilience and securing social equity/responsibility.



The themes of the conference are as follows:

| Themes | Title |
|-------------------|--|
| Theme I | Natural farming and socio-economic transformation of rural households in wetland ecosystems |
| Sub-themes | Comparative economic indicators of the farmers practising natural farming vis-à-vis conventional farming system |
| A. | Technological, economic and social sustainability of different types of wetland-agriculture systems (Crops, livestock, fisheries, Horticulture, Beekeeping and plantation etc) |
| B. | Environmental and social resilience of natural farming under different wetland ecosystems |
| C. | Biological control of insect pest & diseases under natural farming |
| D. | |
| Theme II | Food System diversity including the transition pathways to sustainable food systems in hills and mountain ecosystem |
| Sub-themes | Role of diverse food systems in facilitating nutritious, healthy and sustainable consumer food choices in hill and mountain ecosystem |
| A. | Exploiting bio-cultural diversity for food system transformation and its role in conserving hill and mountain ecosystem |
| B. | Impact of different food systems on economic, social and environmental sustainability |
| C. | Natural farming based food system for improving different aspects of food and nutrition security |
| D. | |
| Theme III | Socio- economic analysis based on the implementation of Bharatiya Prakritik Krishi Paddhati Programme (BPKP) and Paramparagat Krishi Vikas Yojana (PKVY) under centrally sponsored scheme |
| Sub-themes | To explain the process and achievement of integration of natural resources has achieved both climate resiliency and environmental sustainability |
| A. | Estimation of efficiency, effectiveness and cost benefit ratio of external input in the farming systems |
| B. | Extent of empowerment in terms of technology, economic and social due to the institutional arrangements envisaged in the project |
| C. | Development of entrepreneurship in different phases of supply and value-chain of the member-farmers through the implementation of the project |
| D. | |
| Theme IV | Integration of transdisciplinary science and local knowledge for transformation of food systems in wetland, hills and mountain and valley ecosystems |
| Sub-themes | Combination of transdisciplinary and conventional disciplinary validation to understand the economic, ecological, and social processes required to integrate the indigenous technical knowledge for transformation of the food systems |
| A. | Possibilities of opportunities in addressing various challenges of marginalization and inequality with particular reference to subsistence farming situations characterized by complex, diverse and risk prone agriculture |
| B. | Methodologies of linking agriculture and aquaculture related ITKs with the mainstream research for enhanced sustainability of food system and capacity building of the farmers under different farming systems and situations |
| C. | The mode of 'just transition' for moving towards sustainable food systems built upon open innovation mechanisms specific to different communities in various agroecosystems |
| D. | |

| Themes | Title |
|-------------------|---|
| Theme V | Incorporating ecological principle as an operational framework for transitioning to sustainable agriculture in diverse agro-ecosystems |
| Sub-themes | The extent of technological economical and social viability of whole farm approach in different agro-ecological systems of various types of natural farming |
| A. | Assessment of different properties of agro-ecosystems including inter alia productivity, stability, sustainability, equitability and profitability |
| C. | Extent of resilience of different systems of whole farm approach in various agroecological environments in terms of environmental variability over space and time |
| D. | Compatibility of any example of improved agricultural technology to the existing practices under different agro-ecosystems |
| Theme VI | Nature of poverty, food insecurity and environmental degradation as the recurrent problems in the major river basins |
| Sub-themes | Extent of flood recession farming after getting it enriched with the fertility of flood plain through flooding every year |
| B. | The mechanism of use moisture and nutrient rich soil of the floodplains for growing crops after water levels recede and harvest them before flooding in the river |
| C. | Assessment of the dimensions of livelihood provision based on fisheries and aquaculture, food security and environmental sustainability over space and time |
| D. | The overall role of flood plain farming on human well-being and environmental conservation |
| Theme VII | Ecosystem evaluation and policy intervention at government level |
| Sub-themes | Public policies as well as new governance modes with respect to sustaniable ecosystem |
| A. | |
| B. | Long term commitment of stakeholders and adequate division of resources and knowledge |
| C. | Different approaches to the use of ecosystem services including bee farming as a means to biodiversity conservation and greening of the economy |
| D. | Shared visions and the process by which it is directed to incentives and management plans and societal challenges for future development |
| Theme VIII | Role of traditional food systems in aligning environmental management with ecosystem resilience against vulnerabilities, shocks and stresses |
| Sub-themes | Widely accepted ideas and paradigms about the traditional food systems |
| A. | |
| B. | The centrality of food sovereignty as the right to choose, and to preserve their food practices along with the collective rights on common resources for farming, livestock rearing, aquaculture and agroforestry |
| C. | Traditional food from the aspects of medicine, cultural, spritual and social value |
| D. | The mechanism of creation of appropriate platforms for working together by the practitioners of traditional food systems and the scientists to co-design sustainable and resilient food sytems for the wellbeing of both the people as well as the ecosystems |

LEAD PAPERS: The lead papers are invited for oral presentation in all the eight (8) themes. It must include *inter-alia* above mentioned areas of discussion in each theme with appropriate tables and figures based on both space and time analysis. A good part of discussion may include conclusion with the key areas of needed support and creation of necessary policy environment.

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Link to registrar for conference

<https://forms.gle/qAjJtc2ri4d2kwRW6>

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ABOUT THE CAU

The Central Agricultural University (CAU), Imphal has been established by an act of Parliament, The Central Agricultural University Act, 1992 (No. 40 of 1992). The act came into effect on 26th January, 1993 with the issue of notification by the Department of Agricultural Research and Education (DARE), Govt. of India. The jurisdiction of the University extends to seven North- Eastern Hill States viz., Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura, with headquarters at Imphal in Manipur. To realize the above mission, University established thirteen colleges and six Krishi Vigyan Kendras (KVKs) in the seven states of North East India and offers Undergraduate, Post graduate and Doctorate Degree Programmes in agriculture and allied sciences.

ABOUT THE IMPHAL

The conference will be organized at College of Agriculture, CAU, Imphal. Manipur is located in North Eastern part of India and shares International border with Myanmar. The State is well known for its scenic beauty and cultural heritage. Imphal, the state capital of Manipur is well connected by air with the major cities like New Delhi, Kolkata, Bengaluru and Guwahati. Three National Highways, viz., NH-39, -53 and -150 crisscross the State connecting all districts. The venue is located within 10 km from Imphal Airport and is 3 km from AOC Bus stand. The nearest rail head is at Dimapur, Nagaland which is 208 km from Imphal by road (NH-39). The weather of Imphal during February is quite pleasant. Imphal is located in extreme eastern India with an average elevation of 786 meters (2,579 ft). The average temperature during the day and night is expected to be around 24oC and 12oC, respectively. Humidity is expected to be around 51-74%.

ACCOMMODATION

Accommodations are available in guest houses of CAU, COA, ICAR Institute, Manipuri University and other Govt. Institutes. Many hotels and private Guest Houses are also available in Imphal. Request for hotel boarding and approximate tariff for hotel accommodation need to be sent with registration form/mail. The allotment of rooms will be on a "first-come, first-serve" basis. Single & Double bed accommodations are available in hotels in the range of Rs 2000-5000.

CALL FOR PAPERS

Abstracts (300 words) in MS Word (Times New Roman) format in font size 12 having names of authors and affiliation should be submitted in electronic form on email: nveda2022@gmail.com to the Organizing Secretary latest by February 25, 2023. Abstracts received after the deadline will not be included in the book of abstracts. All the full length papers will be published in the Special Issue of Journal Agriculture and Ecology (<http://journals.saaer.org.in/index.php/jae/>) (NAAS Rating: 4.36)

IMPORTANT DEADLINES

Submission Lead Papers: 25/02/2023

Submission abstracts: 25/02/2023

Notification of acceptance of abstracts: 25/02/2023

Registration for accommodation (paid): 25/02/2023



PRESENTATION

Presentation in both oral (Power Point) and poster modes will be organized to accommodate maximum number of contributions. The fonts selected for Power Point format should be legible from a distance of 10-12 m on a 2 m x 3 m screen. Overcrowding of data should be avoided for the sake of clarity. Posters should preferably be on a 60 cm x 90 cm space and readable from 2 m distance. Each poster should contain the title, author(s) name and affiliation(s) followed by brief introduction, objectives, methodology, results and conclusion. Technical session wise best oral/ poster presentation will be awarded. Format for Lead Papers, Oral Papers (as Full Length papers) must be submitted strictly as per the format attached.

RULES AND INSTRUCTIONS FOR COVID-19

All delegates of the N-VEDA are required to be fully vaccinated or have recovered COVID-19 in the last six months before the conference. To enter the conference venue, a valid vaccination or recovery certificate will be required. Government guidelines on covid-19 protocol will be followed.

VISA REQUIREMENTS

Overseas delegates who require an Indian visa for participation are requested to contact the organizers in advance for guidance and invitation letter. Issuance of Visa is subjected to approval from the Ministry of External Affairs, Govt. of India.

REGISTRATION FEES PAYMENTS

The Excursion is optional and at an additional cost, though we expect that we will be able to obtain some local sponsoring that will allow us to cover one of the two events, at the very least for all students. However, those who enrolled for e-poster will be separately communicated and a secured programme link will be sent.

| Category | Offline | Online |
|--|----------|----------|
| International (Academic) | 200 USD | 50 USD |
| Domestic (Academic) | 4000 INR | 1500 INR |
| International (Private and Corporate Personal) | 300 USD | 100 USD |
| National (Private and Corporate Personal) | 5000 INR | 1500 INR |
| International (Student) | 50 USD | 25 USD |
| National (Student) | 1500 INR | 500 INR |

PAYMENTS

All payments should be made through Online either by RTGS or NEFT transfer in account as per the details given below:

- Name of Account – CEWA
- Account number – 50200067413100
- IFSC Code – HDFC0009466
- Name of Bank – HDFC Bank Ltd.

TOUR/EXCURSION

With untouched charm and natural beauty, Imphal takes the visitors to the relics of an old historical palace, well-structured temples, and ceremonial houses amidst the tall pine trees. Interested visitors planning for a short escape to Imphal will get the opportunity to take a deep walk into the significant ancient past of the city. The itinerary designed for the interested visitors during the conference allows them to visit most popular sites in and around Imphal. These include:

1. The War Memorial
2. Manipur State Museum
3. Loktak Lake
4. Keibul Lamjao National Park
5. Govindjee Temple
6. ISKON Temple
7. Kangla Fort and Lord Sanamahi Temple
8. Indo-Myanmar Border Town of Moreh

The list indicated above is not exhaustive and may include places of academic, historical and traditional significance in and around Imphal. Excursion is optional and at an additional cost. Sponsorships if available for Excursion will allow us to plan visit to few places mentioned in the list above.

SPONSORSHIP AND ADVERTISEMENTS

In view of the sustained focus of the policy makers in India towards Natural Farming and organization of an International Conference on Natural Farming for the first time we expect to attract over 1000 delegates from all over the world.

Sponsorship and advertisement opportunities are limited and shall be awarded on first-come, first-served basis and depend on availability. Interested organizations are advised to act quickly to ensure their participation as sponsors of this gala event. All related industries/institutions are invited to grab the sponsorship opportunities and join us in our efforts to conduct this event in a grand manner.

A. PRIMARY SPONSORSHIP OPTIONS

| | Gold | Silver | Bronze |
|-------------------------------------|---|---|--|
| Cost of Package | Rs 4.0 Lacs | Rs. 3.0 Lacs | Rs 2.0 Lacs |
| Number of slots available | 02 | 03 | 05 |
| Exhibition Stall | 9' x 12' | 9' x 9' | 9' x 9' |
| Complimentary Registration Packages | Pass for all technical sessions for 4 persons | Pass for all technical sessions for 2 persons | Pass for all technical sessions for 1 person |
| Presentation Slots | 10 min presentation in any two sessions | 10 min presentation in any one sessions | (-x-) |
| Display of Company Logo and Banner | All sessions | In the session in which presentation is done by company | (-x-) |
| Colour Advertisement | Full Page In Souvenir | Full Page In Souvenir | Half page In Souvenir |
| Sponsorship logo on website/webpage | On Home page flashed as Gold Sponsor | On Home page flashed as Silver Sponsor | On Home page flashed as Bronze Sponsor |

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B. OTHER SPONSORSHIP OPTIONS

| S. No. | Sponsorship Option | Details | Cost of Package (Rs) |
|--------|--|------------------|----------------------|
| 1 | Physical Exhibition stall | (9' x 12') stall | 1,00,000/- |
| 2 | Color advertisement in souvenir | Full page | 50,000/- |
| 3 | Color advertisement in souvenir | Half Page | 30,000/- |
| 4 | B/W advertisement in souvenir | Full Page | 30,000/- |
| 5 | B/W advertisement in souvenir | Half Page | 20,000/- |
| 6 | Color advertisement in souvenir | ¼ page | 15,000/- |
| 7 | B/W advertisement in souvenir | ¼ page | 10,000/- |
| 8 | Physical Banner in the Event | 5'H x 3'W | 4,000/- |
| 9 | Certificate Printing Sponsorship | 1 No. only | 1,00,000/- |
| 10 | Distribution of Brochure/leaflets/products/samples with the registration kit | Multi sponsors | 25,000/- |
| 11 | 2min video prior to every session on YouTube channel of CAU, Imphal | 1 month | 25,000/- |
| 12 | Digital Exhibition Stall for Company | 1 year | 20,000 |
| 13 | Personalized Promotional Access to all participants (through Email) | For 3 months | 1,00,000/- |

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