

*First Circular*

# **Global Soils Conference 2024**

## **Caring Soils Beyond Food Security:** *Climate Change Mitigation & Ecosystem Services*

**19-22 November 2024**

**NASC Complex, New Delhi**



*Organized by*



International Union of Soil Sciences®



**Indian Society of Soil Science, New Delhi**

*under the aegis of*

**International Union of Soil Sciences, Italy**

*in collaboration with*

**Indian Council of Agricultural Research, New Delhi**

**National Academy of Agricultural Sciences, New Delhi**



## About the Conference

World population reaches 9.1 billion by 2050, about 34% higher population than today. According to UN reports, food insecurity is one of the major problems facing the world today. About 95% of food is produced directly or indirectly from soil resource. Therefore, sustainable soil resource management is one of the key socio-economic and environmental issues across the globe. In many parts of the world there is considerable difference between potential and actual yield resulting in food shortage, poverty and malnutrition. It is inevitable that the quantity and quality of the food produce to sustain the present and future generation mostly depends upon the soil fertility. Several researchers and policy makers have made considerable efforts to address soil quality issues for sustainable development. Notwithstanding these efforts, still unprecedented nutrient mining and soil degradation issues creep to upset the sustainability in production system and ecosystem services. In the coming decades, soil science will remain at the focal point of discussion for food production and environmental conservation, but it will be equally essential for devising strategies for issues such as climate change adaptation and mitigation, protection of biodiversity, essential ecosystem services, water quality, poverty alleviation and sustainable development. Thus, it is necessary to maintain and improve soil health to produce more food, fuel and fibre with less land without affecting the soil biodiversity and natural ecosystem services under changing climate scenario across the world. This '**Global Soils Conference 2024**' is addressing all these important issues, which will be held during November 19-22, 2024 at NASC Complex, New Delhi, India.

**Global Soils Conference 2024** will be a significant and prestigious event to be organized by the **Indian Society of Soil Science, New Delhi** in collaboration with **International Union of Soil Sciences** and supports from many national and international organisations with a motivation to provide an excellent international platform with renowned keynote and plenary speakers from all over the world. The main objective of the conferences is '*Caring soils beyond food security: Climate Change mitigation and Ecosystem Services*'. This conference aims to address various challenges, issues and concerns/ importance of soils and the latest technology developments in sustainable soil/resource management in the light of the global issues such as food security, soil health improvement, enhancing input use efficiency through new fertilizers, rapid soil assessment techniques, land degradation, environmental quality, biodiversity protection and climate change adaptation and mitigation. The event will enable to assemble a diverse array of stakeholders, including scientists, policymakers, industry leaders, farmers, and environmental advocates, to engage in a comprehensive dialogue about the importance of soils beyond traditional agricultural perspectives. By examining the latest scientific research, sharing innovative management practices, and exploring policy frameworks, the conference will illuminate how caring for soils can lead to far-reaching benefits for the planet. The discussions and collaborations fostered here are poised to catalyze a paradigm shift in how soils are perceived and managed globally, promoting an integrated approach that recognizes and leverages their multifunctional capabilities.

Industry interface meeting, Farmers' interaction and Students' meet will be organized in this occasion to ensure larger participation from all the stakeholders during this conference. The conference will also provide an ideal and global platform to discuss various challenges faced by agriculture sector *vis-à-vis* food and nutritional security area with the global experts. The conference is expected to result in:



- A comprehensive set of recommendations for global sustainable soil management, climate change mitigation and ecosystem services.
- Enhanced international cooperation and partnerships in soil-related research and policy-making.
- A global network of soil scientists and practitioners for ongoing collaboration.
- Increased public and policymaker awareness of the critical role of soils beyond food production.

## Themes and Sub-Themes of the Conference

### Theme 1: Soil Health and Ecosystem Services

- Sub-theme 1.1: Assessment of Soil Health & Ecosystem Services
- Sub-theme 1.2: Soil–Water–Plant–Animal–Atmosphere Interactions
- Sub-theme 1.3: Soil and Nutrient Cycling
- Sub-theme 1.4: Soil Biodiversity and Ecosystem Functioning

### Theme 2: Climate Change and Soil Carbon Sequestration

- Sub-theme 2.1: Carbon, Water, Nitrogen & Energy Footprints of Agricultural Practices
- Sub-theme 2.2: Impact of Climate Change on Soil Health
- Sub-theme 2.3: Mitigation Strategies in Soil Management

### Theme 3: Resilient Soil Management Practices

- Sub-theme 3.1: Degraded Soils & Innovative Practices in Soil Conservation and Restoration
- Sub-theme 3.2: Urban Soils and Sustainable Cities
- Sub-theme 3.3: Soil Management in Challenged Ecosystems
- Sub-theme 3.4: Agricultural and Industrial Waste Utilization
- Sub-theme 3.5: Innovative Fertilizers
- Sub-theme 3.6: Waste-water Recycling
- Sub-theme 3.7: Soil Pollution and Remediation

### Theme 4: Nature-based Solution *vis-à-vis* Natural Farming

- Sub-theme 4.1: Tree-based Integrated Farming Systems
- Sub-theme 4.2: Biofertilizers, Biopesticides & Bio-stimulants

### Theme 5: Digital Soil Science and Precision Resource Management

- Sub-theme 5.1: Soil Data Collection, Remote Sensing, Soil Survey & Crop Planning
- Sub-theme 5.2: Machine Learning and Artificial Intelligence in Soil Prediction and Analysis
- Sub-theme 5.3: Digital Tools for Sustainable Soil Management and Decision Making
- Sub-theme 5.4: Big Data and its Role in Global Soil Health Monitoring and Policy Making

### Theme 6: Soil Education and Awareness

- Sub-theme 6.1: Innovative Strategies for Soil Education in Schools and Communities
- Sub-theme 6.2: The Role of Media and Technology in Promoting Soil Awareness
- Sub-theme 6.3: Public Policy and Community Engagement in Soil Conservation
- Sub-theme 6.4: Climate Change Impacts on Soil Health and Public Action Initiatives



## Theme 7: Policy and Governance for Soil Protection

Sub-theme 7.1: National and Global Soil Management Policies and Implications

Sub-theme 7.2: Community Engagement and Local Governance in Soil Care

Sub-theme 7.3: Economic Incentives and Funding for Soil Conservation

Sub-theme 7.4: Public-Private Partnership for Advancing Sustainable Soil Management

### Call for Paper

Original contributions are invited related to any of the theme areas listed above for presentation in the conference. Abstracts to be submitted in MS word format limited up to 300 words. Abstract may be submitted through abstracts submission portal ([http://iss-india.org/delegate\\_login.aspx](http://iss-india.org/delegate_login.aspx)). All submitted conference papers will be peer reviewed by the publication committee and published in the form of proceedings. All invited lead and key note presentations will be published in the special issue of *Journal of the Indian Society of Soil Science (JISSS)* or in special publication either by *Springer or Elsevier*. Conference abstract book (in soft copy only) and certificate of presentation will be distributed to the conference participants. For more details, please visit the website ([www.iss-india.org](http://www.iss-india.org)).

### Oral Presentation

A copy of the presentation is required to be submitted by the participants. The organizing committee reserves the right to decide the mode of presentation depending on the content of the abstract, number of papers and merits of paper based on originality/novelty of research work on the themes of conference.

### Poster Presentation

The size of the poster shall be 100 cm length × 75 cm width briefly showing Title, Introduction, Methodology, Significant Findings (along with not more than three tables/figures/photographs) and bulleted Summary. The poster shall be made attractive, brief, composed on a single sheet with appropriate colour scheme so that the content is readable from a distance of at least one meter. The poster display requires conforming to the above standards and pasting of several small pieces of black and white A4 papers should be avoided. A two-page handout (say 50 copies) on the poster may be brought for the visitors. A soft copy of poster is to be submitted to the organizer for making it accessible to the participants either through email or available onsite in a pen drive during the conference.

### Exhibition

An Exhibition will be organized during the conference to showcase different natural resources management technologies for improving soil health and resource use efficiency in agriculture.

**Language:** Official language of the conference and deliberation will be in ENGLISH.



## Conference deadlines

Receipt of Abstracts Deadline	:	30 August 2024
Acceptance of Papers/Posters	:	16 September 2024
Regular-Registration	:	17 September to 17 November 2024
On-site-Registration	:	18-22 November 2024

## Registration

Categories	Regular-Registration (17 September to 17 November 2024)	On-site-Registration (18 November 2024 Onward)
<b>INDIA (INR)</b>		
Delegates (Members, ISSS/Other Societies)	10000	12000
Delegates (Students/JRF/SRF)	5000	6000
Accompanying Person	5000	5000
<b>SAARC COUNTRIES (USD)</b>		
Delegates	250	300
Delegates (Students)	150	200
Accompanying Person	150	150
<b>OTHER COUNTRIES (USD)</b>		
Delegates	500	600
Delegates (Students)	300	400
Accompanying Person	200	200

The registration fee covers local transportation in New Delhi between the place of stay and the Conference hall and workshop, publications including the proceedings and Conference kit, and coffee/tea/snacks during the forenoon and afternoon breaks, and lunch for **4 days (19-22 November 2024)**.

**Registration fee may be deposited *via* online.**

**Account details:** Beneficiary name: **Indian Society of Soil Science**; A/c No.: **90292010000393**; IFSC Code: **CNRB0019029**; Bank: **CANARA BANK**; Branch: **I.A.R.I., Pusa Campus, New Delhi 110012**



## Conference Venue

The Conference is being organised at the National Agricultural Science Centre (NASC) Complex, Dev Prakash Shastri Marg, New Delhi - 110 012, India. This complex spread over an area of around 9.0 hectare with multi-dimensional state of the art facilities like a National Agricultural Museum, Symposia Complex, large underground parking, offices of the International and national organizations of agricultural research, National Academy of Agricultural Sciences (NAAS), Indian Agricultural Universities Association, *etc.*



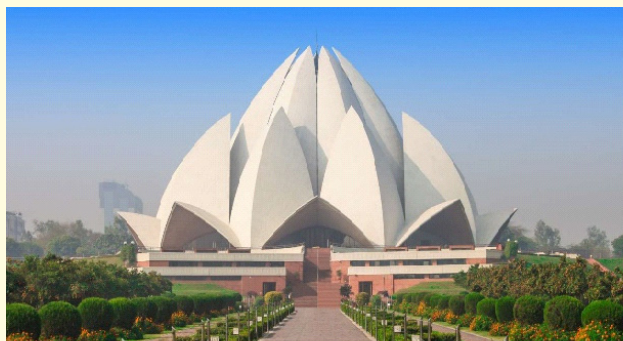
## Accommodation

The Conference venue is located at the heart of the National Capital. A wide range of hotels are available within a short distance from the Conference venue. First-time visitors to India may find it more convenient to stay at the hotels which are within reasonable distance from the Conference venue. The tariff varies from INR 2,500/- to 15,000/- (US\$ 50 to US\$ 300) per room per day.

## About New Delhi

New Delhi is an urban district of Delhi, which serves as the ***Capital of India***. The foundation stone of the city was laid by Emperor George V during the Delhi Durbar of 1911. It was designed by British architects, Sir Edwin Lutyens and Sir Herbert Baker. New Delhi is home to several historic sites and museums. Some of them are National Museum, Indira Gandhi Memorial Museum, National Gallery of Modern Art, National Museum of Natural History, National Rail Museum, National Handicrafts and Handlooms Museum, National Philatelic Museum, Nehru Planetarium, Shankar's International Dolls Museum India Gate, Gandhi Smriti, Janatar Mantar and many more. The climate of New Delhi is a monsoon-influenced *humid subtropical climate* bordering a *hot semi-arid climate* with high variation between summer and winter in terms of both temperature and rainfall. The temperature varies from 46°C (115°F) in summers to around 0 °C (32 °F) in winters. Summers are long, extending from early April to October, with the monsoon season occurring in the middle of the summer. Winter starts in November and peaks in January. The annual mean temperature is around 25 °C (77 °F); monthly daily mean temperatures range from approximately 14 to 34 °C (57 to 93 °F).





### Cultural Programme

Cultural programme will be arranged for the registered delegates and accompanying members on the evening of **19<sup>th</sup> November, 2024** to provide insights into diverse and rich tradition of Indian culture by the trained professional and artists.

### Organizing Secretariat

- Patron** : Dr. H. Pathak, Secretary (DARE) & Director General (ICAR), & President, ISSS, New Delhi 110012
- Chairman** : Dr. S.K. Chaudhari, Deputy Director General (NRM), ICAR, New Delhi 110012
- Organizing Secretary** : Dr. Ranjan Bhattacharyya, Secretary, Indian Society of Soil Science, New Delhi 110012. *E-mail:* [iss1934@gmail.com](mailto:iss1934@gmail.com)



## **Global Soils Conference 2024**

### **Caring Soils Beyond Food Security: Climate Change Mitigation & Ecosystem Services**

**19-22 November, 2024**

**NASC, New Delhi**

**Please print or type:**

Full Name : .....

Nationality : .....

Address : .....

Telephone (business) : .....

Fax (business) : .....

E-mail : .....

Mobile : .....

1. Will like to participate in the Conference (please select as appropriate)-.
  - to make an oral presentation under the title:
  - to make a poster presentation under the title:
  - without any presentation
  
2. Will like / not like (please delete as appropriate) to participate in the post conference tour

Name/Signature and Date

*Please send to Organizing Secretary by e-mail: [iss1934@gmail.com](mailto:iss1934@gmail.com)*