

First Circular

5th International Conference on

Innovative Approaches in Applied Sciences and Technologies

13-15 March 2020

iCiAST-2020

Conference Venue :
Babasaheb Bhimrao Ambedkar University
(A Central University) Lucknow (U.P.) India

MAJOR ORGANISERS



Scientific & Educational
Research Society, Meerut
U.P., India



Babasaheb Bhimrao Ambedkar
University (A Central Univ.)
Lucknow (U.P.) INDIA

IN COLLABORATIONS WITH



Deptt. of Biotechnology
Ch. Charan Singh University
Meerut (U.P.) India



Scientific and Applied
Research Center
Meerut (U.P.) India

IN ASSOCIATION WITH



Journal of Scientific & Applied Research
Meerut (U.P.) India

Previous Conferences Organised by SERS, India



1st International Conf. on Inn. Approaches in Applied Sci. & Tech.
VENUE : Kasetsart University, Bangkok, Thailand
Feb 1-5, 2016



1st INDO-ASIAN Conf. on Inn. Approaches in Applied Sci. & Tech.
VENUE : NLU, Ho Chi Minh City, Vietnam
June 13-17, 2018



2nd International Conf. on Inn. Approaches in Applied Sci. & Tech.
VENUE : NEC, NTU, SINGAPORE 639673
June 19-23, 2017



4th International Conf. on Inn. Approaches in Applied Sci. & Tech.
VENUE : MAHASA UNIVERSITY, Selangor, Kualumpurng, Malaysia
June 25-29, 2019

ABOUT THE CONFERENCE

Welcome to **the iCiAsT-2020 that will be jointly organized by Scientific, Educational Research Society (SERS), Meerut, India, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow (U.P.) in Collaboration with Department of Biotechnology, Meerut University, Meerut India & in association with Scientific and Applied Research Centre Meerut, India during 13-15 March 2020.**

The iCiAsT 2020 aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Environment and Natural Resources Management and allied sciences. It also provides the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Environment and Natural Resources Management.

Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow (U.P.) India, It is a residential University. The University is committed to develop as a centre of excellence in the field of higher education.

The uniqueness of University is evident from its basic philosophy, policies and programmes, which are spelt out and enshrined in the University Act and Statutes.

Objectives of the University:

- ◆ To promote advanced knowledge by providing instructional and research facilities for integrated courses in Science and key frontier areas of Technology and other allied disciplines.
- ◆ To offer appropriate courses relevant for the development of socially and educationally depressed section of the people, including agricultural technology and rural crafts.
- ◆ To promote the study of the principles for which Babasaheb Bhimrao Ambedkar worked during his lifetime, namely, national integration, social justice and democratic way of life, and also study of the Constitution of the World.
- ◆ To take appropriate measures for promoting innovations in teaching-learning process in inter-disciplinary studies and research.
- ◆ To pay special attention to the promotion of educational and economic interests and welfare of the people in general and members belonging to the SC/ST in particular.

Scientific & Educational Research Society (SERS) is an autonomous research and educational organization registered under Societies Registration Act XXI of 1960 in Meerut, India bearing registration no. 38/2014-15. SERS is mainly engaged in promotion of basic, applied & agricultural sciences to participate in national building programme. Society is also working in the area of conservation of nature and protection of environment. For all kind of promotion activities, SERS is organising

workshop, training programme, symposium on different burning and challenging issues. Society is also planning to publish science journals, magazine and news letter. Society recognises excellent workers by confirming them SERS awards.

Chaudhary Charan Singh University, Meerut (UP) India (formerly, Meerut University) established in 1965, is one of the premier educational institutions in India encompassing a vast, beautiful and pollution-free campus spread over 222 acres of land. The teaching department belonging to faculty of Science, Agriculture, humanities, Arts are offering Post graduate degrees (MA/M.Sc., M.Phil and PhD) in different discipline. More than 900 college (Govt./ Self financed/ Aided) are affiliated to this university. **Dept. of Seed Science & Technology** was established in 2002 and offering PG degree (M.Sc. Ag. in Seed Science & Technology). Dept is well equipped for research and practical work in the area of plant tissue culture, seed processing, Seed testing, seed pathology, seed biotechnology.

Scientific and Applied Research Center (SARC) is an ISO 9001- 2008 (CCPL/QMS/D2483) certified autonomous research organization registered under society registration act XXI, 1860 bearing Registration no. 31-2008-2009. The prime objective of SARC is to secure, sustainable and advantageous utilization of biotechnology. SARC encourages research and innovation in biotechnology and its application in the service of mankind.

Journal of Scientific & Applied Research, (ISSN 0975 - 9743), the official publication of the SARC, is published half yearly. JASR invites original articles from different areas of science and humanities in the form of open research paper, review articles and short communication. Correspondence relating to subscription and business matters concerning the Journal should be addressed to the Dr. S. S. Gaurav, President/Chief Editor, Scientific & Applied Research Center/ Journal of Scientific & Applied Research, C-21, Ch. Charan Singh University Campus, Meerut - 250004 (U.P.) India. E-mail: **drshailendra1975@gmail.com**. All accepted research papers for conference will be published in this Journal.

THEMES OF THE CONFERENCE

(A) Agriculture, plant and animal sciences

1. Crop improvement: conventional to molecular approaches
2. Crop protection: Traditional Vs Modern Technologies.
3. IPR and utilization of Plant Genetic Resources.
4. Hi-tech Horticulture .
5. Animal Health & Management.
6. Microbiology
7. Modern Agricultural Science & Management
8. Integrated Farming system research.
9. Bio-fortification: A tool to fight against hunger and malnutrition.
10. New agronomy.
11. Rural sociology, behavioral psychology and agri. extension: Role in development of agriculture industry.
12. Global initiatives for sustainable soil health management.
13. Innovations in animal health and animal husbandry.
14. Prospects of veterinary sciences in global challenging era.
15. Home science, Food processing value addition and post harvest technology.
16. Food technology.
17. Herbal and Traditional medicine.
18. Aqua farming/aqua cultures and its future prospect.
19. Forestry science.
20. Legal Issue of Bio-diversity Protection.

(B) Climate change, global warming and natural resource management

1. Environmental protection systems: traditional, legal and molecular approaches.
2. Global warming and impact on Agriculture.
3. Bio-diversity : Terrestrial and marine.
4. Marine biology.
5. Weather forecast.
6. Natural resource conservation and management.
7. Role of community in natural resource management.
8. Environment and ecology: conservation and protection system.
9. Biotic and abiotic stress management.
10. Policy issues related to natural resource management.
11. Green economy: concept and significance.
12. Legal Issue of water sharing and protection.

(C) Life Sciences and Biomedical Sciences

1. Cell and molecular biology.
2. Biotechnology: genomics, proteomics, transcriptomics and bioinformatics
3. Secondary metabolite biosynthesis and metabolism.
4. Signaling pathways in living systems.
5. Mycoscience.
6. Pharmacy and pharmaceuticals sciences.
7. Reproductive biology of living systems.
8. Experimental and clinical biology.
9. Parasitic pathogens, virus and infectious diseases.
10. Healthy aging and wellness.
11. Antibiotic resistance.
12. Molecular diagnostics and therapeutics.
13. Innovative approaches in bio-nanotechnology.

(D) Physical, Chemical & Mathematical Sciences

1. Synthetic organic and bio-organic chemistry.
2. Structural organic and inorganic chemistry.
3. Polymer and materials synthesis and characterization.
4. The chemistry and physics of electronic and photonic materials.
5. Theoretical and computational chemical physics.
6. Solid-state chemistry, X-Ray crystallography, Functional materials.
7. Chemistry of surfaces and interfaces, Fullerene and carbon nanotube chemistry.
8. Thin film, Nuclear and Astrophysics.
9. Spectroscopic, Atmospheric and Material Science.
10. Application of Laser in different fields of Physical Sciences.
11. Probability and Stochastics, Group theory, Topology, Mathematical Visualization, Geometrical theory.
12. Mathematical modelling in biological and medical systems; pattern

formation.

13. Multi-level Modeling (applied to healthcare racial disparities), Predictive Modeling.
14. Lie groups, Automorphic forms, Representation theory, Number theory, Conformal Techniques in Probability.
15. Functional Analysis, Harmonic Analysis, Complex Functional Theory.
16. Algebraic Number Theory, Algebraic Geometry, Cryptography and Coding Theory.
17. Actuarial Science, Quantitative Risk Mngmt, Applied Stochastic Processes.
18. Image Formation and Processing, Algebraic Groups.

(E) Engineering and technology

1. Microelectronics, Microprocessors and VLSI, signal processing, imaging and communication.
2. Structural engineering and design; environmental geotechnology, geotechnical engineering and materials; water resources, supply and hydrology, hydraulics and rivers, concrete materials, environmental engineering.
3. Networks, computer vision, computer forensic, data encryption, cloud computing and security issues in cloud computing, image processing, information theory, acoustics, speech and signal processing
4. MEMS and microse, photonics and optoelectronics, semiconductor materials and technology.

(F) Social Sciences & Humanities

1. Tourism policy the path of community development
2. Education status in developing country
3. Women empowerment
4. Globalization and economy
5. Language & Literature
6. Economic Growth and WTO
7. Social change
8. History: Ancient to modern.

(G) Library and information science

1. Next generation libraries: issues and challenges
2. User's study
3. IPR & its Implications in digital library environment
4. Cloud computing and its applications
5. Applications of Plagiarism
6. Application of information technology
7. E-resources in library
8. Biblio metric Study
9. Knowledge based eta vs. artificial intelligence
10. Information Literacy
11. Use of Information & Communication Technology

CALL FOR PAPERS

The abstracts containing max. 250 words or full length paper containing max. 1000 words, for oral and poster presentation, are to be submitted to :-

E-mail: sersconference@gmail.com before Feb 25th 2020, in camera ready form, using MS Word, Times New Roman, Font Size 11, Line Spacing 1.0 black colour. The Title of the paper should be in Font Size 12, bold and centred, followed by names of authors marked with asterisk for paper presenter/ Communicating author.

DEADLINES

- | | |
|---|--------------|
| - Abstract Submission | Feb 15, 2020 |
| - Full paper abstract (should be 4-5 pages) | Feb 25, 2020 |
| - Abstract/full paper acceptance | Feb 25, 2020 |
| - Early Bird Registration | Feb 25, 2020 |

SERS AWARDS

To encourage the young scientist, academicians and students, following awards from SERS society will be given for their original work, presented in the form of orally or through poster presentation or on the basis of bio- data submitted for this purpose.

1. Outstanding Scientist in Agriculture Award : (5 in No.) This Award will be given to the faculty /scientists working in the areas of agricultural sciences and made some specific contribution in any field of agriculture

2. Innovative Scientist of the Year Award : (5 in No.) This Award will be given to the faculty /scientists working in any field of science, technology and engineering who has made some specific contribution in his/her field of study/research.

3. SERS awards of Technology and Innovation : (5 in No.) This Award will be given to the NGO/ Individual/ Organisation/ Industry/ Faculty members /scientists/ managers working for the development of science in any form like by diffusion, education, invention, research and have started the work first time in untamed area/location.

4. SERS Fellow : (5 in No.) Highly prestigious award given only to life members of SERS and those have done some significant work in the any field of science, agriculture and humanity. Awardees are entitled to write FSERS as designation before their name.

5. SERS Women Scientist Award : (5 in No.) This Award will be given only to Female faculty /scientists working in any field of science, technology and engineering and has made some specific contribution in her field of study/research.

6. SERS Excellence in Medical Research Award: (5 in No.) This Award will be given to any faculty /scientists working in any field of Medical Science and has made some specific contribution in his/her field of study/research.

7. Environmental Protection Research Award : (5 in No.) This Award will be given to the NGO/ Individual/ Organisation/ Industry/ Faculty

Members/ Scientists working for the conservation and protection of environment/climate change/ disaster management/ organic agriculture or such any field to which environmental protection aspect is covered.

8. SERS Excellence in Research Award : (5 in No.) This award will be given to scientists and researchers. Who have Demonstrated outstanding impact in Scientific Research.

9. SERS Excellence in Teaching Award : (5 in No.) This Award will be given to regular faculty members who have completed a minimum of five years in teaching in UGC/ICAR/ DBT/CSIR recognised university/ deemed university/institution, and has made some specific contribution in his/her field of study.

10. Global IPR Award : (5 in No.) This Award will be given to the faculty/ scientists/ IP attorney/ Industry/ University/ Individuals/ NGO/ research institute working for IP management/ IP awareness/ IP research/ IP education (Patent/ Trademarks/ Copy rights/ Industrial Design/ Geographical indication/ technology/ Know-how/ Plant Breeders Rights/ PPV & FR/ Biodiversity protection etc) and has made some specific contribution in IPR sector.

11. Best/Outstanding Thesis Award : (10 in No.) This Award will be given to the student of M.Sc./M.Tech./M.Phil./Ph.D for their Thesis work any field of science, Agricultural, Technology and engineering and has made some specific contribution in his/her field of study/research.

Note 1 : Interested persons from India are requested to submit two copies of their recent bio-data to Dr. S.S. Gaurav, President, SERS/ Dr. Vijay Garg, General Secretary, SERS, C-21, Ch. Charan Singh University Campus, Meerut-250004 (.U.P) India and send a copy by mail to conference E-mail ID. The society contribution and participation by paying registration fee of conference are essential for application of award.

SARC AWARDS

1. Innovative Entrepreneurship Award : (Five)
2. Innovator of the Year : (Five)
3. Young Scientist Award : (Ten)
4. Co-inventor Award : (Ten)
5. Excellence in Science Communication Award : (Five)
6. Excellence in Mathematics Research Award : (Five)
7. Young Agriculture Innovation : (Ten)
8. Outstanding Educationist Award : (Five)
9. Best Thesis Award : (Five)
- 10 Associate Scientist Award: (Five)

SERS/SARC Society contribution/Life Membership Fee can be paid by Cash/DD/NEFT/TT in favour of **Scientific, Educational Research Society, Meerut**. Alternatively, these fee can also be deposited through RTGS/NEFT in any branch of **Canara Bank in A/C No. 8580101006258 (IFSC Code No. CNRB0008580; MICR Code- 250015004).**

SERS Society Contribution: INR 5000 for the Indian Delegates & USD 150 for foreign delegates.

SARC society contribution: INR 7000 for the Indian Delegates & USD 200 for foreign delegates.

iCiAsT 2020 CONFERENCE AWARD

1. Best Conference Poster Award (1 Award in each session)
2. Best Conference Oral Presentation Award (1 Award in each session)

POST CONFERENCE ACTIVITIES

REGISTRATION FEE

Category	Early Bird Registration 25 th Feb 2020	On Spot
Academician/Scientists	₹ 4,000/-	₹ 4,500/-
Student/ Research Scholars	₹ 2,500/-	₹ 3,000/-
Corporate sector and Industries	₹ 10,000/-	₹ 12,000/-
Foreign Delegates/Scientists	\$ 400/-	\$ 600/-
Foreign Student/ Research Scholars	\$ 200/-	\$ 300/-
Students/Research Scholars (Associated Member in Abstract/Paper & Not attending Conference)	₹ 1,500	₹ 2,000
Accompanying Persons	INR 1,500/- (Only for Conference Lunch & Tea)	

FOR INDIAN DELEGATES:**Registration Fees and SERS/SARC Society Contribution (Non-Refundable/ Non Transferable)**

The conference registration fee and society contribution from **Indian delegates** can be paid by Cash/DD/NEFT/TT in favour of **Scientific, Educational Research Society, Meerut**. Alternatively, these fee can also be deposited through RTGS/NEFT in any branch of **Canara Bank in A/C No. 8580101006258 (IFSC Code No. CNRB0008580; MICR Code-250015004)**.

SCIENCE AND TECHNOLOGY EXPO:

Coinciding with the conference, a Mega Science & Technology Exhibition (S&T Expo-2020) will be organised during conference, with the objectives to show the product and services related to different areas of science & technology sector. This event also aimed to create awareness among scientist, academicians, industry representatives, students, artisans and farmers about Indian and Global scenario for development of science & technology.

STALL BOOKING RATES FOR S&T EXPO-2020:

15 x 15 ft. Size stall @ ₹10,000/-

FOR JOURNEY:**ARRIVAL :**

Flight : Chaudhary Charan Singh International Airport

Train : Lucknow NR, (Station code: LKO) & Lucknow Junction

Bus : Kaiserbagh Bus Stand; Charbagh Bus Station; Alambagh Bus Stand; Gomti Nagar Bus Stand

Weather Detail of Lucknow

Average Weather in March in Lucknow India. Daily high temperatures increase by 12°F, from 82°F to 94°F, rarely falling below 76°F or exceeding 101°F. Daily low temperatures increase by 9°F, from 57°F to 66°F, rarely falling below 51°F or exceeding 71°F

Currency : Indian National Rupee (INR)

LOCAL TRANSPORT:

Bus / Metro Train Service - Public Transport
Private Taxi

ACCOMMODATION : Accommodation will be provided on prior request to the near by venue in Hotel/Guest House.

Lucknow (U.P.) India

Lucknow, the capital of Uttar Pradesh was historically known as the Awadh region. Fondly known as the 'City of Nawabs' or the 'City of Tehzeeb', it has always been a city filled with varied cultures & famous chicken work.

Toward its center is Rumi Darwaza, a Mughal gateway. Nearby, the 18th-century Bara Imambara shrine has a huge arched hall. Upstairs, Bhool Bhulaiya is a maze of narrow tunnels with city views from its upper balconies. Close by, the grand Victorian Husainabad Clock Tower was built as a victory column in 1881. Other Tourist Place of the Lucknow are Constantia House, Dr. Ambedkar Park, British Residency, Lucknow Museum, Lucknow Zoo.

**Conference Contact Persons :****Dr. HEMANT K. GAUTAM**

Organizing Chairman, iCiAsT-2020
Sr. Principal Scientist & Professor
CSIR-IGIB, New Delhi, India
E-mail: hemant@igib.res.in
Mob : 9868568316

Dr. VIJAY GARG

Administrative Director, iCiAsT-2020
Dept. of Physics
Multani Mal Modi College, Modinagar,
Ghazibad (U.P.) India
Mob.: +91-9412663228 Email: vijaymmc78@gmail.com

Prof. SHAILENDRA SINGH GAURAV

Conference Director, iCiAsT-2020
Dept. of Genetics & Plant Breeding
Ch. Charan Singh University Campus,
Meerut -250004 (UP) India
E-mail: drshailendra1975@gmail.com
Mob : 9412782201

Prof. SANJAY KUMAR

Conference Director, iCiAsT-2020
Head, Dept. of Horticulture
School of Agricultural Sciences & Technology
Babasaheb Bhimrao Ambedkar Univ., Lucknow, UP, India
M : 09453019255 | Email : sanjay123bhu@gmail.com

13-15 March 2020

ORGANIZING COMMITTEE

CHIEF PATRONS

Prof. Sanjay Singh, Vice Chancellor, Babashaeb Bhimrao Ambedkar University (A Central University) Lucknow (U.P.) India

PATRONS

Prof. R.K. Sharma, Vice Chancellor, SIMATS, Chennai, Tamilnadu, India
Dr. S.Rajendra Prasad, Vice Chancellor, UAS, Bangalore, Karnataka, India
Dr. R. S. Kureel, Vice Chancellor, BAU, Ranchi, Jharkhand, India
Dr. M. B. Chetti, Vice Chancellor, UAS, Dharwad, Karnataka, India
Dr. TC Bora, Vice Chancellor, KAV,Nasatra, Barpeta, Assam, India.
Prof. Pradeep Kumar Bisen, Vice Chancellor, JNKVV, Krishinagar, Adhartal, Jabalpur, M.P.
Dr. Atar Singh, Director, ICAR-ATARI, Kanpur, U.P., India India

INTERNATIONAL BOARD OF ADVISOR

Prof. Dalel Singh, Vice-chancellor, OPJS University, Churu, Rajasthan, India
Prof. Victor Martynyuk, Education, Science Centre, Institute of Biology, Univ. of Kyiv, Ukraine.
Dr. Nazek AL-GALLAS, University of Hafar Albatin Saudi Arabia
Dr. TC Bora, Vice-chancellor, KAV, Naysayers, Barpeta, Assam, India
Prof. S. Thameem Dheen, Head of Department, Anatomy, National University of Singapore, Singapore.
Dr. M. Saravanan, Deptt. of Microbiology and Immunology, Mekelle University, Ethiopia
Dr. N. Devakumar, Dean (Agri.) College of Agriculture, Hassan, UAS, GKVK

NATIONAL STEERING COMMITTEE

Dr. Balraj Singh, Ex-Vice Chancellor, Agriculture University, Jodhpur, Rajasthan, India
Prof. S.K. Meti, Director of Extension University of Agricultural Sciences, Raichur, Karnataka India
Dr. Ashok Gaur, Ex-Principal Scientist (Seed Science & Technology), IARI, New Delhi, India
Dr. KK Singh, Principal Scientist & Head, IARI regional Station, Samastipur, Bihar, India
Dr. C. John Wesley, Deputy Registrar & Head, University Pub.Division, SHUAT&S, Prayagraj, U.P., India
Prof. N. Mandal, Professor, Division of Molecular Medicine, Bose Institute, Kolkata, W.B., India
Prof. R.C. Lal, Principal, M.M. (P.G.) College, Modinagar, Ghaziabad, U.P., India
Dr Manoj Kumar Tiwari, Regional Officer, Kanpur AICTE, U.P., India
Prof. Ramesh Chand, Director, I.Ag.Sc., BHU, Varanasi, U.P., India
Prof. Anand Kumar Singh, Head, Deptt. of Horticulture, BHU, Varanasi, U.P., India
Prof. Satya Prakash, Head, Deptt. of Horticulture, SVBPUA&T, Meerut, U.P., India
Prof. Satya Vart Dwivedi, Dean, College of Horticulture, BUAT, Banda, U.P., India
Dr. V. K. Tripathi, Head, Deptt. of Horticulture, CSAUA&T, Kanpur, U.P., India
Dr. A. K. Singh, Head, Deptt. of Horticulture, ANDUA&T, Ayodhya, U.P., India
Dr. Vijay Kumar, Head, Deptt. of Horticulture, SHUATS, Prayagraj, U.P., India
Prof. Archna Kushwaha, GBPUA&T Pantnagar, U.S. Nagar, U.K., India
Prof. Jyothi V. Vastrad, Deptt. of Textiles and Clothing, UAS Dharwad, Karnataka, India

ORGANIZING CHAIRMAN

Prof. R.B. Ram
 Dean, School of Agricultural Science &
 Tech., BBAU, Lucknow, U.P., India
 Mob.: 9415790511

Dr. Hemant K. Gautam
 Sr.Principal Scientist & Professor
 CSIR-IGIB, New Delhi, India
 Mob : 9868568316

CHIEF ORGANIZING DIRECTORS

Prof. P.S. Shukla
 Deptt. of Genetics & Plant Breeding
 GBPUA&T, Pantnagar, U.S.Nagar, Uttarakhand, India
 Mob.: 9412141008

Prof. Anil Kumar Singh
 Ex-Head, Deptt. of Horticulture
 BHU, Varanasi, U.P., India
 Mob : 9450237065

CONFERENCE DIRECTORS

Prof. Sanjay Kumar
 Head, Dept. of Horticulture
 Babasaheb Bhimrao Ambedkar Univ., Lucknow, UP, India
 Email : sanjay123bhu@gmail.com
 Mob.: 9453019255, Ph : 0522-2965501

Dr. Shailendra S. Gaurav
 Prof. & Head, Dept. of Genetics & Plant Breeding
 Ch. Charan Singh University Campus, Meerut (UP)
 Email: drshailendra1975@gmail.com
 Mob. +91-9412782201

ADMINISTRATIVE DIRECTORS

Dr. Vijay Garg
 Associate Professor, Dept. of Physics
 Multanimal Modi College, Modinagar, Gzb., U.P, India
 E-mail: vijaymmc78@gmail.com | Mob : 8920169542

Dr. Harikesh Singh
 Asso. Prof., Deptt. of Entomology
 Gochar Mahavidyalaya, Saharanpur, U.P., India
 Email : harikesh.ento@gmail.com | Mob : 9412680870

ORGANIZING CONFERENCE CONVENERS

Prof. Anil Kumar
 Deptt. of Live Stock Prod. Management
 GBPUA&T, Pantnagar, U.K., India
 Email : yaduanil@gmail.com/ 9412120959

Dr. Nguyen Bao Quoc
 Director Research Institute for Biotech.&
 Environment, NLU, Ho Chi Minh City, Vietnam
 Email : baoquoc@hcmuaf.edu.vn

Dr. Madhuri Arya
 Asst. Prof. Cum Scientist (GPB)
 Tirhut College of Agri., Muzffr., Bihar, India
 E-mail: madhuriaryatca@gmail.com

Dr. Seema Jain
 Associate Professor, Dept. of Zoology,
 R.G.(P.G.) College, Meerut, UP) India
 Email : seema61@gmail.com

Dr. Basudha Sharma
 Associate Professor, Deptt. of Botany
 M.M. College, Modinagar Gzb., U.P., India
 Email : basudhasharma@gmail.com

Prof. R.K. Doharey
 Associate Dean
 ANDUA&T, Ayodhya, U.P., India
 Mob : 9415067544

CONFERENCE CO-ORDINATORS

Dr. Vijay Kr. Doharey

Prof. & Head, Horticulture Research Station & KVK
Jeolikote, Nainital, Uttarakhand, India

Dr. Gopa Kumar

Librarian
Goa University Goa, India

Dr. Sanjeev Panwar

Assoc. Prof., Deptt. of Library Science
Kisan P.G. College, Simbhaoli, Hapur, U.P., India

Dr. Rajesh Kumar

Prof. & Head, Dept. of Environmental Microbiology
BBAU (A Central University), Lucknow, U.P., India.

Dr. K.P. Singh

Scientist "F"
DRDO, Ministry of Defence, New Delhi, India

Dr. Prabhat Pandey

Librarian & Head, Deptt. of Lib. Info. Science
SNGGPG Autonomous College Bhopal, M.P., India
(President Madhya Pradesh Library Association)

ORGANIZING SECRETARIES

Dr. Priti Saxena

Asstt. Prof., South Asian University
New Delhi, India

Dr. Neeraj Tandan

General Secretary
UNESCO Club Delhi, Delhi

Dr. Jitender Singh

Asso. Prof., Imm. & Defense Mechanism
SVPUA&T, Meerut, U.P., India

Dr. R.S. Verma

Asstt. Professor, Deptt. of Horticulture
BBAU, Lucknow, U.P., India

Dr. Aakansha Goswami

Asstt. Prof., Deptt. of Biotechnology
SVSU, Meerut, U.P., India

Dr. M.L. Meena

Asstt. Prof., Deptt. of Horticulture
BBAU, Lucknow, U.P., India

ASSOCIATE DIRECTORS

Dr. Renu Sarswat

Associate Professor, Dept. of Chemistry
Meerut College, Meerut, U.P., India

Dr. Prakash Bhat

Associate Professor, College of Vet.
& Ani Sci., GBPUA&T, Pantnagar, U.K., India

Dr. Pragati Rastogi

Associate Professor, Dept. of Zoology
Meerut College, Meerut, U.P., India

Dr. Akath Singh

Principal Scientist
CAZRI, Jodhpur, Raj, India

Dr. Bhim Pratap Singh

Asstt. Prof. Molecular Micro. & Sys. Lab.
Deptt. of Biotech., Mizo. Univ., Mizoram, India

Dr. Bishun Deo Prasad

Asstt. Prof.-cum-Jr. Scientist, Deptt. of Plant,
Breeding and Genetics, BAU, Sabour, Bihar, India

Mrs. Arti Gupta

Co-Founder, Educational Tours, Delhi, India
artind044@gmail.com | 9582217260

Dr. Manoj Kumar Meshram

Asso. Prof., Deptt. of Electronic Engg.
IIT (BHU) Varanasi, U.P., India

Dr. N.K. Gaur

Asso. Prof., Deptt. of Math
MM College Modingar, U.P., India

Dr. Jay Prakash Singh

Principal Scientist
IARI, New Delhi, India

Dr. Sangeeta Sahni

Scientist Cum Asstt. Professor
Dept. Plant Path., TCA, Dholi, Pusa, Bihar, India

Dr. Anil Kumar

Asst. Prof. Cum Junior Scientist (GPB)
BAU, Sabour, Bihar, India

Dr. Anjali Dutt

Sr. Asstt. Professor, Dept. of Botany
MMH College, Ghaziabad, U.P., India

Dr. Shaifali Messay

Asstt. Professor, Deptt. of Horticulture
GBPUA&T, Pantnagar, U.K., India

Dr. Deepa H. Dwivedi

Professor, Deptt. of Horticulture
BBAU, Lucknow, U.P., India

Dr. Charu Arora

Prof. & Head, Dept. of Chemistry
GGCU, Koni, Bilaspur, C.G., India

Dr A. C. Rathore

Principal Scientist
ICAR-IISWC, Dehradun, U.K., India

Dr Sujit Kumar

Scientific Officer,
U. P. Council of Agri. Res., Lucknow, U.P., India

Dr. Gireesh Chand

Asso. Prof., Deptt. of Plant Pathology
BUA, Sabour, Bihar, U.P., India

Dr Prabhat Kumar

Principal Scientist
IARI, New Delhi, India

Dr. Awadhesh Kumar Pal

Asstt. Prof.
BUA, Sabour, Bihar, U.P., India

ORGANIZING CO-ORDINATORS

Dr. S. P. Singh

Scientist (Genetics & Plant Breeding)
ARS, Kalai, Aligarh (CSAUA&T, Kanpur), UP, India

Dr. Rajiv Kumar

Principal Scientist Horticulture (Flori.)
ICAR-IIHR, Bangalore, Karnataka, India

Dr. Anuradha Singh

Asstt. Prof., Deptt. of Chemistry
Meerut College, Meerut, U.P., India

Dr. Shailni Singh

Asstt. Prof., Institute of Organic Agriculture
Amity University, Lucknow, U.P., India

Dr. Archana Gupta

Clinical Dietician,
Shri Balaji Action Medical Institute, Delhi, India

Dr. Vijay Kumar Kurnalliker

Asst. Prof. (SST), College of Agriculture Raichur
UAS, Raichur-584102 Karnataka- India

Dr. Vaishali Punia

Asstt. Prof., Dept. of Chemistry
Vardhman College, Bijnor, U.P., India

Dr. Sushila Devi

Asstt. Prof., Dept. of Home Science
R.S. Sadguru, Mahavidya, Jabrapur, Banda, U.P., India

Dr. Neeraj Kumar Shrivastava

Assoc. Prof., BAU Ranchi
Jharkhand, India

Dr. Ravi Ranjan Kumar

Asstt. Prof. Cum Scientist, Deptt. of Mole. Bio. &
Gene. Engg., BAU, Sabour, Bihar, India

Dr. Vinod Kumar

Asst. Prof., Plant Breeding & Genetics
JNKVV, Hoshangabad, M.P., India

Dr. Mani Bhushan

Extension Education, Bhola Paswan Shastri
Agriculture College, Purnia, Bihar, India

Dr. Devi Singh

Asstt. Prof., Dept. of Horticulture,
SHUATS, Prayagraj, U.P.

Dr. Chandrasekhar Prabhakar

Asstt. Prof., Dept. of Entomology
Veer Kunwar Singh Coll. of Agri., Dumraon, Bihar, India

Dr. Santosh Kumar

Asstt. Prof., Deptt. of Plant Pathology
Manan Bharti Agri. College, Saharsa, Bihar, India

CO- ORGANIZING CONVENERS

Dr. A. K. Pal, Asso. Prof., Deptt. of Horti., BHU, Varanasi

Dr D.S. Mishra, Sr. Sci., ICAR-CHES, Vejalpur, Godhra

Dr Vijay Kumar, Head, Deptt. of Horti., CCRPG College, Mujaffarnagar

Dr Dharmendra Kumar Singh, Head, Deptt. of Horti, U. P. Auto. Coll., Varanasi

Dr Satyendra Singh, Head, Deptt. of Horti., BRD Coll., Deoria

Dr Sant Ram Verma, Head, Deptt. of Horti., NPS College, Barhalganj

Dr S. L. Pal, Head, Deptt. of Horti., RSMGP Coll., Dhampur

Dr. Sutanu Maji, Asstt. Prof., Deptt. of Horti., BBAU, Lucknow

Dr V. K. Verma, Head, Deptt. of Horti., DAV Coll., Ajmer

Dr. Bijendra Singh, Prof. & Head, Deptt. of Horti., SVPUA&T, Meerut, U.P

Dr. Shweta Soni, Asstt. Prof., Deptt. of Veg. Sci., BUAT, Banda

Mr. Manoj Hatoj, Res. Officer, NISD Min. of So. Justice, Gol, Delhi

Dr. Aman Pal Singh, Sr. Asstt. Prof., M.M. College Modinagar, U.P.

Dr. Anupama, Asstt. Prof., Clothing and Apparel Des., CAU, Tura

Dr. Pallavi Choudhary, Asstt. Prof., Deptt. of Horti., Integral Univ., Lucknow

Dr. Keshav Shukla, Deptt. of Biotech., Invertis Univ., Bareilly, UP

Dr. Sardar Sunil Singh, Asstt. Prof., Nalanda College of Horti., Bihar

Dr. Praveen, H. G. Sr. Res. Fellow, UAS, GKVK, Bengaluru, Karnataka

JOINT ORGANIZING CONVENERS

Dr. Raj Kumar, Principal Scientist
DRDO, New Delhi, India
Dr. Kashyap Dubey, Associate Professor
Central University of Haryana, Mahendragarh, Haryana, India
Dr. Raghuraj Kishore Tiwari, Associate Professor
J.N.K.V.V., Jabalpur, M.P. India
Dr. Sudha Garg, Associate Professor
Hindu College Moradabad, U.P., India
Dr. Neetu Singh, Assistant Professor
DHDFS, BBAU, Lucknow, U.P., India

Dr. Piyush Sinha, Associate Professor,
Dept. of Physics, HNB Gharwal Univ., Pauri, U.K., India
Dr. Mukesh Kumar, Associate Professor
Dept. of Horticulture, SVPUA&T, Meerut, U.P., India
Dr. Supriya Anand, Assistant Professor,
College of Agri. Sci., T.M.U., Moradabad, U.P., India
Dr. Yash Pal Singh, Assistant Professor (GPB)
IIFTM University, Moradabad, U.P., India
Dr. Ruby Lata, Assistant Professor
Deptt. of Horti., BBAU, Lucknow, U.P., India

ASSOCIATE ORGANIZING CONVENERS

Dr. Pankaj Gupta, CSIR-Central Road Research Institute, New Delhi, India
Dr. M.P. Singh, Head, Deptt. of Agronomy, Janta College, Bakewar, Etawah, U.P., India
Dr. Vishwa Nath, Head, Dept. of Horticulture, MAD, Allahabad, U.P., India
Dr. Bhanu Pratap, Associate Prof., Deptt. of Horticulture, NDU&T, Kumarganj, Faizabad, U.P., India
Dr. Anjula Rajvanshi, Associate Professor, Dept. of Sociology, R.G.(P.G.) College, Meerut, U.P., India
Dr. Mukesh Sharma, Associate Professor, Dept. of Mathematics, CCS University, Meerut, U.P., India
Dr. Updesh Verma, Asstt. Prof., Deptt. of Physics, Govt. Girls Degree College, Ghaziabad, U.P., India
Dr. Vikram Singh, Asstt. Prof., Dept. of Soil & Water Cons. Engg., SHUATS, Prayagraj, U.P., India

CO- ORGANIZING SECRETARIES

Ms. Sasirin Srisomkiew, Agricultural Research Officer, Land Development Department, Bangkok, Thailand
Dr. Umesh kumar, Food Analyst, Dept. of Food safety & Drug Administration, UP, India
Dr. Jyothibabu, Sr. Scientist, CSIR-National Institute of Oceanography, Kochi, India
Dr. Ravindra Kumar, Professor, Deptt. of English, CCS University, Meerut, U.P. India
Dr. Suresh Kumar, Assistant Professor, Department of Botany, Ramjas College University of Delhi, India
Dr. Anant Kumar, Asstt. Professor/SMS, SVPUA&T- Krishi Vigyan Kendra, Ghaziabad, UP, India
Dr. A.K. Pandey, Head, Dept. of Horticulture, Janta College, Etawah, U.P., India
Dr. Madhulika Gautam, Asstt. Prof., Dayalbagh Educational Institute, Agra, U.P., India
Dr. Nitin Garg, Associate Professor, Dept. of Biotechnology, MIET, Meerut, U.P., India
Dr. Himanshu Trivedi, Asstt. Prof., IIFTM Uni., Moradabad, U.P., India
Dr. Pradip Panwar, Asstt. Prof., Deptt. of Biotechnology, C.C.S. University, Meerut, U.P., India
Mr. Amardeep Singh, Ph.D. Scholar, Deptt. Genetics & Plant Breeding, CCSU, Mrt.
Miss. Gyanika Shukla, Ph.D. Scholar, Deptt. Genetics & Plant Breeding, CCSU, Mrt.
Mr. Bipul Kumar, CSIR-IGIB, New Delhi

JOINT ORGANIZING SECRETARIES

Dr. Lokesh Gangwar, Prof. & Head, Deptt. of GPB, SVPUA&T, Meerut, U.P, India
Dr. Satya Prakash, Professor, Deptt. of Horticulture, SVPUA&T, Meerut, U.P, India
Dr. Lalit Kumar, Associate Professor, Deptt. of Physics, Meerut College, Meerut, U.P., India
Dr. Abhay Solunke, Head, Deptt. of Microbiology, Sri Govind Rao, Munghate, Arts & Science College, Kurkheda, Maharashtra, India
Dr. Vijay Kumar Umario, Associate Prof., CSSS (P.G.) College, Machhra, Meerut, U.P., India
Dr. Harendra Kumar, Associate Professor, D.J. College, Barut, U.P., India
Ms. Shashi Bhaduria, Secretary, UNSCO Club Delhi, Delhi, India
Dr. Chandan Soni, Deputy Chief Medical Officer, Noida, U.P., India
Dr. Shalini Gupta, Associate Professor, Meerut College Meerut, U.P., India
Dr. Pavitra Dev, Asstt. Prof., Deptt. of Horticulture, CCS University, Meerut, U.P., India
Dr. Jitendra Kumar Babele, Assist. Prof., Bundelkhand University Jhansi, U.P, India
Dr. S. K. Rana, Associate Professor, M.M.College Modinagar, Ghaziabad, U.P., India
Dr. Lokesh Kumar Meena, Asstt. Prof. BAU, Sabour, Bihar, India
Dr. Sanjay Kr. Sharma, Asstt. Prof., College of Agricultural Sciences, T.M.U., Moradabad, U.P., India
Dr. Mahender Singh, Asstt. Prof., College of Agricultural Sciences, T.M.U., Moradabad, U.P., India

BBAU STEERING COMMITTEE

Prof. R. P. Singh, Dean, Academic Affairs
Prof. D. P. Singh, Director, IQAC
Prof. Sunita Mishra, Dean, HDFS
Prof. B. S. Bhaduria, Dean, SPDS
Prof. Shubhini A. Saraf, Dean, SBPS
Prof. D. R. Modi, Dean, SB&BT
Prof. S. K. Dwivedi, Dean, SES
Prof. Ram Chandra, Dy. Director, IQAC

Prof. Kamal Jaiswal, Head, Deptt. of Zoology
Prof. B. B. Malik, Proctor
Prof. Kaman Singh, Head, Deptt. of Chemistry
Prof. S. K. Dwivedi, Head, DCS
Prof. B. C. Yadav, Head, DAP
Dr. U. V. Kiran, Head, HDFS
Prof. Rajesh Kumar, Head, DEM
Prof. Naveen Arora, Head, DES