



6th INTERNATIONAL CONFERENCE ON ADVANCES IN AGRICULTURE TECHNOLOGY AND ALLIED SCIENCES

(ICAATAS 2023) on JUNE- 19-21,2023
HYBRID MODE (OFFLINE / ONLINE)

JOINTLY ORGANIZED BY

SOCIETY OF AGRICULTURE RESEARCH AND SOCIAL DEVELOPMENT (NEW DELHI) &
LOYOLA ACADEMY, SECUNDERABAD, TELANGANA

VENUE, LOYOLA ACADEMY, SECUNDERABAD, TELANGANA



2nd Circular

PUBLICATION PARTNERS

AKINIK PUBLICATION- AN INTERNATIONAL JOURNAL WITH NAAS RATING 5.23

INTERNATIONAL JOURNAL OF ENTOMOLOGY RESEARCH- WEB OF SCIENCE INDEXED

PLANT SCIENCE TODAY SCOPUS INDEXED JOURNAL. (Q3)

JOURNAL OF APPLIED BIOLOGY & BIOTECHNOLOGY, SCOPUS & WEB OF SCIENCE INDEXED (SPECIAL ISSUE Q3)

VIGYAN VARTA, AN INTERNATIONAL E MAGAZINE FOR SCIENCE ENTHUSIASTS

INTERNATIONAL JOURNAL OF VETERINARY SCIENCES AND ANIMAL HUSBANDRY, NAAS RATING- 4.98 (ONLY SELECTED PAPERS)

INTERNATIONAL JOURNAL OF STATISTICS AND APPLIED MATHEMATICS, NAAS RATING- 5.12 (ONLY SELECTED PAPERS)

INTERNATIONAL JOURNAL OF ADVANCED BIOCHEMISTRY, NAAS RATING- 4.62 (ONLY SELECTED PAPERS)

IMPORTANT DATES - LAST DATE FOR REGISTRATION 25TH MAY 2023, LAST DATE FOR ABSTRACT SUBMISSION - 25TH MAY 2023, LAST DATE FOR BOOK CHAPTERS/ARTICLES /PAPER SUBMISSION- 25TH MAY 2023 LAST DATE FOR AWARD NOMINATION 10TH JUNE



**SCAN
FOR REGISTRATION**

<https://forms.gle/YC5Ke73hJqnDwuFr9>

CONTACT DETAILS-

MR. DIPTANU BANIK (CHIEF ORGANIZING SECRETARY, 7005652842)

DR. ASHIRBACHAN MAHAPATRA (CONVENER, 7008461263)

DR. P. SURESH KUMAR (CHIEF ORGANIZING SECRETARY, 9701401475)

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UNIVERSITY



Telangana Mahila Viswavidyalayam
(WOMEN'S UNIVERSITY), Koti, Hyderabad 500 095
formerly University College for Women, OSMANIA UNIVERSITY
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If you have any queries, please do not hesitate to contact us at contacticaatas@gmail.com

ABOUT CONFERENCE

INVITATION

Agriculture is a major development in human history, leading to the rise and flourishing of civilization. It plays a critical role in human society, serving as the backbone of the economic system. Modern agriculture provides the raw materials for most of the world's food and many industrial products, including textiles. Significant scientific and technological advances over the years have led to great increases in agricultural productivity as well as reduced environmental impacts. We take great pleasure in inviting you to the "INTERNATIONAL CONFERENCE ON ADVANCES IN AGRICULTURE TECHNOLOGY AND ALLIED SCIENCES (ICAATAS 2023)" being organized by SOCIETY OF AGRICULTURE RESEARCH AND SOCIAL DEVELOPMENT (NEW DELHI) & LOYOLA ACADEMY, SECUNDERABAD, TELANGANA We invite you to grace the conference with your presence. If you have any queries, please do not hesitate to contact us at contacticaatas@gmail.com. We sincerely request you to kindly circulate the information among relevant members of your respective esteemed organization. We look forward to your presence at ICAATAS 2023!

ABOUT THE INTERNATIONAL CONFERENCE

Nevertheless, agricultural systems of the future face huge challenges in balancing and optimizing productivity and profitability against stewardship of ecosystems and natural resources. This conference will provide an ONLINE/OFFLINE open forum for researchers, academicians, scholars, students, extension workers and entrepreneurs to discuss various aspects of advances in agriculture technology and allied sciences under different thematic areas and share their latest research achievements. Our conference "INTERNATIONAL CONFERENCE ON ADVANCES IN AGRICULTURE TECHNOLOGY AND ALLIED SCIENCES (ICAATAS 2023)" will provide you with an opportunity to meet with international resource persons, colleagues and friends working in the area of Agriculture and Allied Sciences.

ABOUT ORGANIZATIONS

Society of Agricultural Research and Social Development

Society of Agricultural Research and Social Development (SARSD) was founded in 2018. The society serves to promote research in all branches of agricultural sciences to provide the members with the opportunities, exchange of knowledge and cooperation among relevant societies. SARSD currently has over 200 members having academic, research and industrial profiles. The SARSD's primary scope covers the Agronomy, Horticulture, Entomology, Plant Pathology, Plant Breeding & Genetics, Crop Physiology and Biochemistry, Soil Science and Agricultural Chemistry, Agriculture Engineering, Agri. Stat & Economics, Forestry, Animal Husbandry & Dairy Technology, Veterinary Sciences, Fisheries and Social Sciences etc.

Loyola Academy, Secunderabad, Telangana

Loyola Academy (LA) a spacious ecofriendly campus with excellent infrastructure is managed and administered by the Catholic clergy, popularly called Jesuits of the Andhra Jesuit Province, belonging to the Society of Jesus (founded by St. Ignatius of Loyola), an International Catholic Religious Order. Loyola Academy was founded by Rev Fr T. Baliah SJ in 1976 in Alwal, Secunderabad, Telangana. Initially an Intermediate course and an Associate Degree in Chemical Technology were offered. Subsequently other UG programmes (1978) and PG programmes (1993) were started. Loyola Academy was granted Autonomous status in 1992 for Degree courses and PG courses in 2010. Appreciating the achievements and qualitative persuit of Higher Education needs, UGC awarded Loyola Academy "A College with Potential for Excellence" (CPE) in the year 2008. In addition to this, National Assessement and Accreditation Council (NAAC) accredited the college in the year 2005 and reaccredited in the year 2011 with 'A' grade (3.50 out of 4.00 CGPA). National Institutional Ranking Framework (NIRF) ranked our College between 100-150 for both (2017-18 & 2018-19) successive years. The Institution offers a unique, unrivalled array of Under Graduate and Post Graduate courses, imparting its students potential skills which are highly relevant in today's market and aims at moulding young minds into extraordinary individuals, who love what they do, thereby enabling young men and women to master new concepts and emerge as confident professionals in their chosen domains.

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| ► Society for Advancement of Rice Research (SARR) | ► Knowledge partner |
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HIGHLIGHTS OF THE CONFERENCE

- Technical Sessions
- Expert lectures by Invited Speakers
- On-Spot Debate Competition
- Brainstorming Sessions
- Agriculture Quiz Session
- Best 50 popular articles will be published free of cost in Vigyan Varta, An International E-Magazine for Science Enthusiasts
- Best 3 presenters (Oral/Poster) will be awarded with prize money
- Chance of publishing your full length paper in Special issues of Scopus and NAAS rated Journals

PUBLICATION PARTNERS

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INTERNATIONAL JOURNAL OF ADVANCED BIOCHEMISTRY, NAAS RATING- 4.62 (ONLY SELECTED PAPERS)

CHIEF PATRONS & KEYNOTE SPEAKERS



Prof. Biswajit Ghosh
Vice Chancellor, The Neotia University, West Bengal



Dr. Vinod Kumar Singh
Director, ICAR - Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad



Rev. Fr. Ch. Amara Rao SJ, Loyola Academy, Secunderabad



Dr G K Mahapatro
Principal Scientist, Division of Entomology, ICAR - IARI, New Delhi



Dr. Nimrod Israeliy
Founder Biofeed, Chairman IBMA conference



Mr. Sreejit Basu
Senior Manager, Alternate Energy, Indian Oil Corporation Limited



Dr. C Tara Satyavathi
Director, ICAR-IIMR, Hyderabad



Dr. L.Joji Reddy SJ
Principal, Loyola Academy & President Xavier Board of higher education in India



Prof. Supriya Pattanayak
Vice Chancellor, CUTM, Odisha



Dr. Sahadeva Singh
(Former Deputy Commissioner & Head Policy Govt of India, Planning Commission) Dean School of AgricultureGalgotias University Greater Noida



Dr. R. M. Sundaram
Director ICAR- Indian Institute of Rice Research & President SARR



Prof. Imabuchi Kazuyuki
Professor, Faculty of Applied Bio Science Tokyo University of Agriculture Setagaya, Tokyo



Dr. Shigeto Sudo
Leader, Mitigation System Group Division of Climate Change Mitigation Research Institute for Agro-Environmental Sciences, NARO Japan



Prof. Ikechi Agbaga
United Nations Consultant

PATRONS & LEAD SPEAKERS



DR. N SREERAMA REDDY
(Director-Technical, Sahasra Crop Science)



Dr. K. G. Patel
Dean, Faculty of Agriculture, Parul University, Vadodara



Prof. (Dr.) Sushil Kumar Kothari
Dean, School of Agriculture and Allied Sciences, The Neotia University, West Bengal



Prof. (Dr.) Chandra Mohan Mehta, Associate Dean, School of Agriculture, LPU, Punjab.



Dr. M. Devender Reddy
Dean, MSSoA, CUTM, Odisha



Dr. Sagar Maitra
Professor and Head, Department of Agronomy and Agroforestry, MSSoA, CUTM, Odisha



Dr. R. Mahender Kumar-
Secretary SARR, Head, Principal Scientist, IIRR



Prof. (Dr.) Sawinder Kaur
Associate Dean, Department of Food Technology and Nutrition School of Agriculture, Lovely Professional University, Punjab



Dr. Chitra Shanker
Principal Scientist, Entomology, ICAR-INDIAN INSTITUTE OF RICE RESEARCH



Dr. Vishnu Rajput
Associate Prof. HQS of Soil Health Laboratory, Southern Federal University, Russia



Dr. KK Sharma
Ex FESI Director, ICAR-Indian Institute of Natural Resins and Gums



Dr. S.P. Nanda
Dean (Admin), MSSoA, CUTM, Odisha



Dr. Milan Kumar Lal
Scientist ICAR - Central Potato Research Institute, Shimla



Prof. Eiji Nishihara
Graduate School of Sustainability Science, Department of Dryland Science, Tottori University, Japan

MAJOR CONFERENCE THEMES OF ICAATAS 2023

- Theme 1: Precision Agriculture (GIS, GPS) and its future-Innovative approaches for crop improvement in integrated nutrient & weed management.
- Theme 2: Innovative Approaches for crop protection (Disease and Pest management)
- Theme 3: Innovative approaches for Millets cultivation, its marketing and Govt. subsidies
- Theme 4: Agro forestry, Technological improvement in Agroforestry, Food and Environmental Security, Natural resource management, Soil & water Conservation for better sustainability.
- Theme 5: Innovative approaches towards Life Sciences, Microbial sciences, Biomedical Sciences, Pharmaceutical Sciences and Biotechnological aspects.
- Theme 6: New frontiers in Food processing, Value addition and post-harvest management.
- Theme 7: Digitalization of agriculture and allied sciences.
- Theme 8: Innovative approaches towards natural and organic farming for better sustainability.
- Theme 9: New technologies in protected cultivation, hi-tech Agriculture & its future impact.
- Theme 10: New approaches for farmer's wellness, Agricultural marketing, Export, entrepreneurship development, and Agri-business management opportunities.
- Theme 11: Advances in Dairy Science Animal health, animal husbandry for better future aspect and income.
- Theme 12: Present and future aspects of Marine science, Aquaculture, Oceanology and Fisheries.
- Theme 13: Income Generation through Poultry farming, Livestock management, Nursery raising, Agri-Tourism, and herbal gardens
- Theme 14: Income generation through Medicinal and Aromatic plants cultivation, Wood science Technology, Tree Improvement, Forest Genetic Resources, Forest Ecology, Silviculture and Tree Improvement
- Theme 15: New technological advances in the field of Fruit science, floriculture, pomology, or ornamental science, vegetable science and nursery management
- Theme 16: Accelerating genetic gains in plant breeding for resilience and transformative food systems and economic growth
- Theme 17: Technological improvements to control soil, water, air and environmental pollution!

REGISTRATION FEES OF ICAATAS 2023					
CATEGORY	ONLINE MODE		OFFLINE MODE		ON SPOT
FARMERS	250/-	10\$	500/-	20\$	750/-
UG	500/-	10 \$	1000/-	20\$	1500/-
PG	1000/-	20\$	1500/-	30\$	2000/-
Ph.D./ JRF/SRF/RA	1500/-	30\$	2000/-	40\$	2500/-
FACULTY/SCIENTISTS	2000/-	40\$	2500/-	50\$	3000/-
PRIVATE ORGANIZATION/IN DUSRTY	4000/-	75\$	5000/-	95\$	5500/-
					100\$

Registration contribution includes Lunch and a Registration kit only for offline mode, people who will register before the conference day.

Spot registration includes Lunch only.

***Registration contribution is Non-Refundable and non-transferable.**

PAYMENT DETAILS: GOOGLE PAY / PAYTM / PHONE PAY UPI

UPI- 9863977658@paytm

Account Details - 50200067532831

Branch - Maheru, Phagwara IFSC -HDFC0003293



If you have any queries, please do not hesitate to contact us at contacticaatas@gmail.com



Poster Presentations/ Oral Presentations

(Best 3 presenters (Oral/Poster) will be awarded with prize money)

Separate 'Poster Presentation Sessions' and "Oral Presentation Sessions" covering all the themes will be organized to encourage wider interaction and information sharing with the participants in both ONLINE/OFFLINE modes. Each poster session will have Chairman and Co-Chairman. They will Judge and announce the best "Presenters" after the sessions and the winners will be given appreciation awards.

- »» **Oral Presentation-** The number of Slides shouldn't be more than 15 and the presentation should include Title, Name, Theme, Address on the First Page of the Presentation, and in the content Introduction, Materials and Methods, Results, Conclusion, and References.
- »» **Poster Presentation Size:** 25"x40" 1×1.5 m. Font Size: Title- 80pt, Authors-50pt, Subheading-46pt, Text-24 pt, Caption-18pt Poster should be included- Title, Name, Theme, Address, Introduction, Materials and Methods, Results, Conclusion, and References.
- »» **Call for Abstracts/Papers/Book Chapters:** The original research papers/abstracts/ conceptual papers related to the conference themes are invited from all the stakeholders' viz., students, faculties of SAU's/ICAR institutes, and PSUs/Companies/Private organizations. The soft copy of the Papers/Abstracts/ Conceptual papers may be sent to the Organizing Chairman of the conference on or before the **25th of May 2023**.
- »» **Submission of Abstracts:** Abstracts not exceeding 300 words with specific key words with ICAATAS 2023 themes should be sent to the organizing team through email at **contacticaatas@gmail.com** Registration is mandatory for publication of abstract in Souvenir.
- »» **Submission of Full-Length Papers:** Full-length research papers should be submitted to the organizing team through email at **contacticaatas@gmail.com** Registration is mandatory for the publication of the full-length papers. Manuscripts should be prepared in MS Word or any other word processor and should be submitted through registered mail. The publication should include-Full author names, Affiliations (including full postal address) and corresponding authors' e-mail addresses, Abstract (200–250 words), Keywords, Introduction, Materials and Methods, Results and Discussion, and Conclusions (Acknowledgements), References. Authors have to pay minimal charges for the publication of their manuscripts after acceptance by reviewers. **The author needs to follow the guidelines of the particular journal which they wants to publish. It is compulsory for all the journals.**
- »» **Submission of Book Chapters:** Delegates desirous of availing the opportunity of publishing a book chapter in AKINIK PUBLICATION AND BRIGHT SKY PUBLICATION Should send a Book Chapter from 8-10 pages in double space, Arial font, 12 in size in any theme of the ICAATAS 2023 and should be submitted well in advance to the organizing team through email at **contacticaatas@gmail.com**. Registration is mandatory for publication of the book chapter and processing fee 1500 PER CHAPTER through Cash/Demand Draft/Bank Transfer / Online Transactions.
The submitted Abstracts/ Papers/ Book chapters will be reviewed by ICAATAS 2023 SCREENING TEAM and based on the comments of the reviewers the Editor-in-chief/ Editorial board will take final decision for acceptance of the manuscript.

**FOR STALLS, EXHIBITIONS, OR SPONSORSHIP TO LOYOLA ACADEMY OR SOCIETY, CONTACT P.SURESH
9701407475(CHIEF ORGANIZING SECRETARY), DIPTANU BANIK 7005652842 (CHIEF ORGANIZING
SECRETARY) & Y SATISH, 6280824346 (ORGANIZING SECRETARY)**

>>> **Popular Article Submission:** Articles should be maximum of 2-3 pages in length. Articles should comprise of an abstract, introduction, details conclusion, and references.

PROPOSED BOOKS

- **Advancements in Crop improvement, Precision Agriculture and Crop Protection**
- **Innovative Approaches in Natural Resource Management, Organic and Protected Cultivation for Doubling Farmers' Income**
- **Future scope of Biomedical sciences and Biotechnology**
- **Agriculture Entrepreneurship and its Business orientation**
- **Natural Resources and its proper use for Environmental Security**
- **Fundamentals of plant pathology**
- **A text book for soil conservation**

*No Manuscripts will be published without Registration in the conference.*Paper will be accepted after peer review process.*All right reserved, ***Publication Fee should be paid after acceptance of Research paper/Book chapters.

PUBLICATION FEES/CHARGES

International Journal of Entomology Research WEB OF SCIENCE INDEXED	₹3000/-
Akinik Publication- An International Journal with NAAS RATING 5.23	₹5000/-
Book Chapter(Akinik, Bright sky, Integrated)	₹1500/-
Popular Article (UG,PG/Ph.D,Faculties)	NO CHARGE(upto Best 50 Articles)
Plant Science Today (Special issue) Scopus Indexed Journal. (Q3)	₹15000/- (10,000 for Ph.D. Scholar who will represent his/her paper in the conference as oral presentation and as first Author+GST)
Journal of Applied Biology & Biotechnology, Scopus & Web of Science Indexed	₹10000/-
International Journal of Veterinary Sciences and Animal Husbandry, NAAS RATING- 4.98 (Only Selected Papers)	₹2500/-
International Journal of Statistics and Applied Mathematics, NAAS RATING- 5.12 (Only Selected Papers)	₹3500/-
International Journal of Advanced Biochemistry, NAAS RATING- 4.62 (Only Selected Papers)	₹2500/-

AWARDS NOMINATION (For all Agriculture Sciences, Biotechnology, Microbiology, Food and Nutrition Science, Environmental science, Forestry/Agro forestry, Fishery science, Dairy science, Animal husbandry, Pharmaceutical Sciences, Marine Science and Life sciences)

- | | |
|--|--|
| <ul style="list-style-type: none">• Life Time Achievement Award• Eminent Scientist Award of the Year/Scientist of the Year Award (Department wise)• Emerging Scientist Award• Young Scientist Award• Young Agriculturist Award• Young Achiever Award• Young Scientist Associate Award• Innovative Farmer/ Entrepreneur Award• Women Scientist Award• Women Excellence Award• Women Entrepreneur Award• Young Professional Award | <ul style="list-style-type: none">• Outstanding/ Best Ph. D. Thesis Award• Best Research Scholar Award (Ph.D. / PDF)• Best Researcher award• Innovative Young Researcher Award• Best Faculty Award (Assistant Professors)• Best Extension Scientist Award/ Best KVK Scientist Award• Best Agriculturist Award• Best/Outstanding Master's Thesis/ Dissertation Award• Excellence in Research Award• Excellence in Academic Award• Emerging Faculty Award• Best Research Project Award |
|--|--|

All interested Delegates/Researchers/Academicians/Farmers/Students/Entrepreneurs are requested to register themselves for award nomination by the 10th of June and send a soft copy of bio-data to the ICAATAS 2023 TEAM through Email: contacticaatas@gmail.com, before the 15th June 2023, for the Award Nomination from Society of Agricultural Research and Social Development. (Award Nomination Contribution ₹5000/-). For online Award Nomination (Registration Fee is inclusive) For Annual Membership of the Society the contribution is ₹1000/- and Life Time membership the contribution is ₹3000/-

➤ SCAN FOR AWARD NOMINATION ₹5000/-

Registration of the conference is mandatory for Offline Award Nomination

Send your abstract to the authority

Register yourself for the Award Nomination from the link and pay the Nomination amount of 5000 for the same.

Choose your Nomination and fill out the form.

Send your biodata in our mail id. contacticaatas@gmail.com

➤ ACCOMMODATION DETAILS:

Accommodation will be arranged for the participants near the conference venue on a prior request and pre-payment basis as given below and no spot accommodation will be provided on conference days.



**Note- Award Includes Printed Participation certificate, Society Certificate for Award, Pen drive as Souvenir, Memento & winning Medal.

<https://forms.gle/J8Z2tNyJuPLYNp1s8>

Executive Conference Director

- Prof. Biswajit Ghosh, Vice Chancellor, The Neotia University, West Bengal

Conference Director

- Rev. Fr. Dr. L. Joji Reddy SJ, Loyola Academy, Secunderabad

Conference Executive Chairman

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- Prof. (Dr.) Chandra Mohan Mehta, Associate Dean, School of Agriculture LPU, Punjab
- Prof. (Dr.) Sushil Kumar Kothari, Dean, School of Agriculture and Allied Sciences, The Neotia University, West Bengal

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- Dr. R. M . Sundaram - Director ICAR- Indian Institute of Rice Research & President SARR
- Dr. Nimrod Israely, Founder Biofeed, Chairman IBMA conference
- Prof. Inubushi Kazuyuki ,Professor, Faculty of Applied Bio Science, Tokyo University of Agriculturz Setagaya, Tokyo
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- Dr. Shigeto Sudo, Leader, Mitigation System Group Division of Climate Change Mitigation Research, Institute for Agro-Environmental Sciences, NARO
- Rev. Fr. Ch. Amara Rao SJ, Loyola Academy, Secunderabad
- Dr. Vinod Kumar Singh, Director, ICAR - Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad
- Dr. G K Mahapatro, Principal Scientist, Division of Entomology, ICAR - IARI, New Delhi
- Prof. Biswajit Ghosh, Vice Chancellor, The Neotia University, West Bengal
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- Dr. Sawinder Kaur, Associate Dean, Department of Food Technology and Nutrition School of Agriculture, Lovely Professional University, Punjab
- Dr. S.P. Nanda, Dean (Admin), MSSSoA, CUTM, Odisha
- Prof. Eiji Nishihara, Graduate School of Sustainability Science,Department of Dryland Science, Tottori University, Japan
- Dr. Milan Kumar Lal, Scientist ICAR - Central Potato Research Institute, Shimla
- Dr. R. Mahender Kumar- Secretary SARR, Head, Principal Scientist, IIRR
- Dr. M. Devender Reddy, Dean, MSSSoA, CUTM, Odisha

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- Dr. Umesh Kumar Singh Assistant Professor, Department of Seed Science and Technology, TCA, Dholi. RPCAU, Pusa, Samastipur, Bihar

- Dr Vijay Kele, Head, Department of Dairy and Food Technology, Parul Institute of Technology, Parul University Vadodara, Gujarat

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Convener

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- Mrs. Jemmy Evangeline, HOD Dept. Msc. Food Technology & Management, Loyola Academy

- Dr. Ajay Makwana, Department of Agricultural Engineering, Parul Institute of Technology, Parul University Vadodara, Gujarat

- Mrs. M. Anusha, HOD Dept. Bsc. Food Technology & Management, Loyola Academy
- Mr. V.V.Chaalpathi Rao,HOD, Dept. M.Sc. Biotechnology, Loyola Academy, Secunderabad
- Mrs. Glory Joanna Manne, HOD Dept. Bsc. Food science nutrition & Dietetics, Loyola Academy

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- Dr. Rakesh Kumar, Scientist, Division of Livestock and Fishery Management (DLFM), ICAR- Research complex for Eastern Region, Patna
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Lead Speakers

- Mr. Kamaruzzaman, The Neotia University, West Bengal
- Dr. Dhananjay Suresh Gaikwad, Assistant Professor Institute Amity Institute of Organic, Noida, Uttar Pradesh
- Mrs. Purnima Joshi, Founder, The Bonsai Haat
- Dr. Sarita Pandey, Assistant Professor, School of Agriculture and Allied Sciences, The Neotia University
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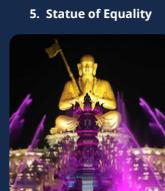
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