

**St. Xavier's College, Ranchi**  
**Department of Botany**  
**Organised**

**International Conference on**  
**Advances in Environment and Agricultural Biotechnology-2018**  
**(ICAEA-2018)**

**Thrust Areas:**

**Agriculture:**

- Impact of Climate Change on Agriculture and Environment.
- Wetlands and Agriculture.
- Agriculture and Biotechnology in Rural Development.
- Genetics and Crop Improvement.
- Conservational Methods Practiced by Farmers to Control Insect Pests.
- Conventional and Biointensive IPM.

**Environment:**

- Parasitology, Entomology and Pest Management.
- Environmental Application and Ecotoxicology.
- Pollution, Waste Management and Treatment.
- Advances Recycling Technology.
- Eco Innovation for Sustainable Development.
- Remote Sensing and GIS

**Biotechnology:**

- **Plant Biotechnology:** Microbs for Sustainable Agriculture, Plant Tissue Culture and Transgenic Plants.
- **Animal Biotechnology:** Pharmaceutical Biotechnology, Medical Biotechnology, Transgenic Animals, Molecular Farming.
- **Microbial Biotechnology:** Microbial Genetics, Immuno-biotechnology.
- **Environmental Biotechnology.**
- **Bioenergy:** Biofuels.
- **Green Chemistry:** Enzyme Biotechnology, Biochemical Engineering, Nanotechnology and Biopolymers.

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This conference aims at sharing the knowledge and experience in the field of agriculture, environment and biotechnology. This conference will provide an opportunity for direct interaction amongst regional and national level researchers. The interaction will lead to generate curiosity and stimulus for regional researchers so as to get exposure and confidence in handling the problems of national relevance.

Direct interaction with national level researchers will provide a platform for exploring the possibilities of undertaking joint research projects, which have relevance to regional needs and problems.

**Objectives:** The conference is being organised in view of following broad objectives:

- To bring together the eminent scientist, professors, researchers, scholars students and farmers within the country on the theme.
- To offer platform for academic researchers, scientist, NGOs, policy makers and stake holders for protection management.
- To create awareness among youth about organic farming, agriculture and environmental issues.
- An alarming situation has been created about environmental problems large numbers of suggestions are given for saving ecological crisis
- There is also necessity of expertise in the field of scientific management awareness, public participation and application of biotechnology in agriculture.

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**Date: 22-24<sup>th</sup> February, 2018.**

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Organized by the Department of Botany, St. Xavier's College, Ranchi, India

## **ABOUT THE CONFERENCE**

**International Conference on Advances in Agriculture and Environmental Biotechnology-2018 (ICAEA-2018)** which will be held at St. Xavier's College, Ranchi, India from **Date: 22-24<sup>th</sup> February, 2018**, will be jointly organized by the

Department of Botany, St. Xavier's College, Ranchi, India and Indo Global Chamber of Commerce, Industry and Agriculture, India

This Conference is to bring together innovative academics and industrial experts in the fields of Agricultural and Environmental Science, Engineering and Technology to a common forum. The primary goal of the conference is to promote research and developmental activities in Science and Technology. Another goal is to promote scientific information interchange between researchers, developers, teachers, students, and practitioners working in and around the country. It also aims to showcase the advances made in the fields

ABOUT THE PARTNERS-

**About INDO GLOBAL CHAMBER OF COMMERCE,  
INDUSTRIES AND AGRICULTURE (TO BE ADDED LATER)**

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## **About the Host Institute**

St. Xavier's College, Ranchi was started by the Ranchi Jesuits Society called (Society of Jesus) a Christian Religious Order founded by St. Ignatius Loyola in 1540. Since its foundation, the Jesuits have contributed in the field of education throughout the world. The vision drawn from the life and teachings of Jesus Christ gives Jesuit educational institutions a recognizable character and sets before their management, staff, students, parents and the community high ideals of life and service which will inspire them continuously to strive to meet the emerging needs and challenges.

In recognition of its service and to increase its efficiency still further, autonomy has been conferred on St. Xavier's College with effect from July 2005. In the autonomy setup, this college has autonomy in the matter of - Framing its courses of studies; Arranging for instruction to the students; Devising methods of evaluation, examination and tests, pertaining to the admission of the students in the college and award of the degree/diploma by the Ranchi University. The college is affiliated to Ranchi University which will award degrees with the name of St. Xavier's College mentioned on them. The College was Re-accredited with "Grade A" by the National Assessment and Accreditation Council 2013. Although the College is affiliated to Ranchi University, the College is following the UGC Guidelines for Autonomous Colleges. The College offers in semester system and choice based credit system B.A./B.Sc./B.Com./Vocational degree Self-financing courses under autonomous pattern. The College offers P.G. Course in English, Hindi, Political Science, Economics, Geography, Commerce and P.G. Diploma in Human Rights and Bachelor in Education courses under the autonomous system.

The Department of Botany was established in 1955 and churned out thousands of successful professionals and citizens. This apart, it has the pride of having organized two mega international conferences (ICAIECS, 2012 and ICEE, 2017) and OpenCon 2017 Ranchi.

### **EDITORIAL BOARD**

*Chief Patron:* Prof Ramesh K Pandey, Hon'ble Vice Chancellor, Ranchi University

*Patron:* Dr Fr Nicholas Tete sj., Principal, St Xavier's College, Ranchi

*Secretary of the Conference:* Dr Ajay Kumar Srivastava

*President of the conference:* Dr Vegraj Singh .....

*Guest of Honour:* To be finalized

***Convener***

**Dr Madhulika Singh**

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## **CALL FOR PAPER**

Authors are invited to submit full papers for consideration. Submission of paper must be original and should not have been published previously or be under consideration for publication in any other journals or proceedings. All accepted papers will be sent for peer review and the corresponding author will be notified of the outcome of the review process.

Theme of the conference and area covered:

**Environmental Sciences**

**Bioengineering**

**Bioinstrumentation**

**Agricultural Sciences**

**Life Sciences (Botany, Zoology and Biochemistry)**

**Biotechnology**

**Rural Development and Livelihood**

All papers will undergo a blind peer review process and all accepted papers will be published in the SHORTNAME conference e-proceedings with an e-ISBN number.

The conference organizer encourages submissions of academic and research papers that consider the multidisciplinary/interdisciplinary themes covering the Management, Science and Social Studies, through one of the following sub-themes, although submissions of other topics for consideration are also welcome:

## **IMPORTANT DATES**

Last date for submission of registration form and abstract: 17-01-2018  
Acceptance notification: 20-01-2018  
**Last date for submission of full length papers: 17-01-2018**  
**Last date for booking Accommodation: 07-02-2018**

### **Paper Submission**

Paper should be in the format strictly specified on the conference website. Only the selected papers will get the intimation who will be accepted for publication. Kindly do not submit the paper multiple times, it may lead to cancellation of an article/paper.

Submit your paper .....

### **Registration**

Author/Co-Author Registration Fee Includes:

Participation in the technical program

Lunch

Banquet

Badge

Conference Accessories

CD of Proceedings

Coffee breaks

Welcome reception

Once your paper is accepted the registration process begins. You will have to complete the following four steps.

Step1 - Registration Fee

It is mandatory for at least one author of an accepted paper to register in order for the paper to appear in the proceedings and included in the Technical Program. If an author has got more than one accepted papers, there will be discount on additional papers printing. Fee includes listing the papers online in International Journal, The CD media of the proceedings and publication in various issues of Journals, Lunch, Morning, Evening Snacks and dinner.

### **Registration Fees**



Industry/Research Institute	INR 5,500
Academic Institutions	INR 3,000
Full time Research Scholars / Authors -Post Graduate/	
Undergraduate Students*	INR 2,000
Non-Author Participants	INR 1,500
Accommodation	
Social Development centre (200 meters away)	INR 1200

Hotels : Please make your own app based online arrangement

\* Proof of studentship or full-time research scholarship must have to produce from the head of the institutions to avail the reduced registration rate.

#### Step 2 - Copyright Transfer

All authors have to sign (for the individual paper) Copyright Transfer Agreement Form, which is in PDF format.

#### Step 3 - Camera Ready Paper submission

All the paper must be submitted as Microsoft word DOC or DOCX format. IEEE guidelines are available at top of this page.

#### Step 4 - Registration

Send scanned copy of your completed registration form, copyright agreement form along with the scanned copy of the proof of payments to conference email id.

### **VENUE**

1. INAUGURAL, POSTERS AND VALEDICTORY - FR C DEBROUWER AUDITORIUM
2. HALL C- FOOD COURT
3. PRESENTATIONS- GREEN HALLS A, B, C AND D
4. VVIPs LODGING- COLLEGE VIP GUEST HOUSE (FOR 10 PERSONS)
5. DELEGATES LODGING (ON PAYMENT BASIS AND FIRST COME FIRST SERVE FOR 148 PERSONS)

- SOCIAL DEVELOPMENT CENTRE (SDC) 200 METRES FROM THE VENUE

## **REGISTRATION FORM**

1. Name (Underline surname).....  
.....
2. Designation.....
3. Affiliation.....
4. Address for communication .....  
.....
5. Telephone, fax and email.....
6. Title of the paper submitted.....  
.....
7. Choice of theme.....
8. Do you wish to participate in competitive session ?    YES(    )        NO (    )
9. Category of the participants
  - i. Foreign delegates
  - ii. Indian delegates

iii. Research students

iv Sponsored from industries

v. Student delegates

10. No. of accompanying persons.....

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11. Accommodation required in SDC YES ( ) NO( )

12. Choice of food Veg/Non Veg

13. Status of payment of Registration Fee and Accommodation Cost.

DD Number / NEFT details..... (Enclose a Xerox copy/ mail scanned copy)

Date.....

Place.....

Signature