



St. Xavier's College, Ranchi

(An Autonomous College of Ranchi University)

INTERNATIONAL CONFERENCE ON ENVIRONMENT, FORESTRY AND SUSTAINABLE AGRICULTURE

14th, 15th and 16th November, 2022

INTERNAL QUALITY ASSURANCE CELL - REPORT

*Prepared by Saratsuvra Pyne, Kasfa Khanam, Anjali Kumari and
Bhavya Shree*

This International Conference is organized jointly by the Department of Botany, IQAC St. Xavier's College, Ranchi and International Academy of Science & Research (IASR), Kolkata, West Bengal in collaboration with International Consortium of Contemporary Biologists in association with Confederation of Indian Universities (CIU), New Delhi.

About the Conference:

Existence of life on the earth primarily depends upon the agriculture, forest, and environment. Climate Change has drastically affected the agriculture sector. Extreme temperature and precipitation has prevented crops from growing. Events, especially floods and droughts, have harmed crops and reduce yields. Trees have been felled recklessly to construct buildings, hotels and motels thereby disrupting the ecosystem and degrading the environment. Anthropogenic factors have caused pollution, destruction of wildlife and massive damage. Measures should be immediately taken to abate this menace, all stakeholders should come together and unanimously fight against environmental pollution. To solve the food crisis the need of the hour is sustainable agriculture. It is undertaken by a society with the goal of producing the greatest quantity of food over the longest time in order to feed a growing human population while keeping the environment intact. Sustainable agriculture follows other sustainability practices where the long-term health of ecosystems and society are taken into consideration. The ideal in sustainable agriculture is

to conserve water, lessen pesticide and fertilizer use, promote biodiversity in crops and livestock, and prevent soil erosion.

Schedule of Day 1

Programme Schedule of International Conference on “Environment. Forestry and Sustainable Agriculture (ICEFSA 2022)” on 14-15-16 November 2022 at St. Xavier’s College, Ranchi	
	14/11/2022(Day 1)
9.30 am	Breakfast
10.15 am	Registration
11.00 pm	Inaugural Session (Venue: Fr. D De Brouwer Memorial Auditorium)
11.00 am	Dignitaries will take their seats on the dais
11.02 am	National Anthem
11.05 am	College Song
11.08 am	Lighting of the lamp by the dignitaries
11.11 am	Felicitation to the dignitaries
11.15 am	Welcome Address: Fr. (Dr.) Nabor Lakra, Principal, St. Xavier’s College, Ranchi
11.20 am	About the Conference: Dr. Tridib Bandopadhyay, Chairman, Scientific and Environmental Research Institute (SERI), Kolkata
11.25 am	Initial Remarks: Prof. (Dr.) Tanmoy Rudra, Executive Secretary, Confederation of Indian Universities (CIU), New Delhi and Former Pro Vice Chancellor Secretary and plenipotentiary, International Academy of Science and Research (IASR), Kolkata
11.35 am	Speech of Guest of Honour: Dr. Janardan Jee, Former Director, ICAR- National Research Centre for Makhana, Govt. of India and President, International Consortium of Contemporary Biologists (ICCB), Ranchi
11.40 am	CIU Felicitation to the Hon’ble Vice Chancellors
11.42 am	IASR Fellowship Award and Lifetime Award Felicitation
11.45 am	Speech of Guest of Honour: Prof. (Dr.) Chandrasekhar Chakrabarti, Former Vice Chancellor, West Bengal University of Animal and Fishery Sciences (WBUAFS)
11.50 am	Speech of Guest of Honour: Dr. Sitendu Mandal, CSIR- Central Glass and Ceramic Research Institute, Kolkata, West Bengal
11.55 am	IASR Award Felicitation
12.05 pm	Speech of Guest of Honour: Prof. (Dr.) Ajit Kumar Sinha, Vice Chancellor, Ranchi University, Jharkhand
12.15 pm	Speech of Guest of Honour: Prof. (Dr.) Onkar Nath Singh, Vice Chancellor, Birsa Agricultural University, Jharkhand
12.25 pm	ICCB Award Felicitation
12.30 pm	Vote of Thanks: Dr. Ajay K Srivastava, HoD, Dept. of Botany, St. Xavier’s College, Ranchi and Organising Secretary (ICEFSA 2022)
	<u>Inaugural Function End</u>

12.45 pm	Technical Session- I (Venue: Fr. D De Brouwer Memorial Auditorium)
12.45 pm	Keynote Address: Prof. (Dr.) Chandrasekhar Chakrabarti , <i>Former Vice Chancellor, West Bengal University of Animal and Fishery Sciences (WBUAFS)</i>
1.15 pm	Plenary Lecture I: Dr. Sitendu Mandal , <i>CSIR- Central Glass and Ceramic Research Institute, Kolkata, West Bengal</i>
1.45 pm To 2.30 pm	LUNCH BREAK (Venue: Hall no 3- Food Court)

2.30 pm	Technical Session- II (Venue: Fr. D De Brouwer Memorial Auditorium)
2.30 pm	Dr. Mahendra Prasad Memorial Lecture 2022: Dr. Janardan Jee , <i>Former Director, ICAR- National Research Centre for Makhana, Govt. of India and President, International Consortium of Contemporary Biologists (ICCB), Ranchi</i>
2.50 pm	Plenary Lecture II: Dr. Binay Kumar Chakraborty , <i>Dept. of Fisheries, Bangladesh & Supervisor, Bangladesh Agricultural University</i>
3.10 pm	Plenary Lecture III: Dr. Tridib Bandopadhyay , <i>Scientific and Environmental Research Institute (SERI), Kolkata</i>
3.30 pm	Plenary Lecture IV: Dr. Ajay Kumar Singh , <i>Guru Ghasidas University, Bilaspur, Chhattisgarh</i>
3.50 pm	Plenary Lecture V: Dr. Niraj Kumar , <i>Birsa Agricultural University, Ranchi</i>
4.10 pm	Plenary Lecture VI: Dr. Chandana Chakraborty , <i>University of UAE, Dubai</i>
4.30 pm	Plenary Lecture VII: Dr. Prasanjit Mukherjee , <i>Centre for Social and Environmental Research, Ranchi</i>
4.50 pm To 5.30 pm	Paper Presentation

5.30 pm	TEA BREAK (Venue: Hall no 3- Food Court)
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7.30 pm	DINNER (Venue: Hall no 3- Food Court)
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Schedule of Day 2

	15/11/2022(Day 2)
9.30 am	Breakfast
10.15 am To 11.45 am	Technical Session- III (Venue: Green Hall 1) Group A (Environment) : OPA 01 to OPA 18
10.15 am To 11.45 am	Technical Session- IV (Venue: Green Hall 2) Group A (Environment) : OPA 19 to OPA 36
10.15 am To 11.45 am	Technical Session- V (Venue: Green Hall 3) Group A (Environment) : OPA 37 to OPA 55
10.15 am To 11.45 am	Technical Session- V (Venue: Fr. D De Brouwer Memorial Auditorium) Group A (Environment) : PPA 01 to PPA 19
12.15 pm To 1.30 pm	Technical Session- VI (Venue: Green Hall 3) Group B (Forestry) : OPB 01 to OPA 12
1.30 pm To 2.30 pm	LUNCH BREAK (Venue: Hall no 3- Food Court)
2.45 pm To 4.45 pm	Technical Session- VII (Venue: Green Hall 1) Group C (Sustainable Agriculture): OPC 01 to OPC 14
2.45 pm To 4.45 pm	Technical Session- VIII (Venue: Green Hall 2) Group C (Sustainable Agriculture): OPC 15 to OPC 28
2.45 pm To 4.45 pm	Technical Session- IX (Venue: Green Hall 3) Group C (Sustainable Agriculture): OPC 29 to OPC 42
2.45 pm To 4.45 pm	Technical Session- X (Venue: Fr. D De Brouwer Memorial Auditorium) Group B (Forestry) : PPB 01 to PPB 10 Group C (Sustainable Agriculture): PPC 01 to PPC 18
5.00 pm	TEA BREAK (Venue: Hall no 3- Food Court)
7.30 pm	DINNER (Venue: Hall no 3- Food Court)

Schedule of Day 3

	16/11/2022(Day 3)
10.00 am	Breakfast
11.00 pm	Valedictory Session (Venue: Fr. D De Brouwer Memorial Auditorium)
11.00 am	Dignitaries will take their seats on the dais
11.05 am	Felicitation of the dignitaries
11.10 am	Welcome Address: Dr. Ajay K Srivastava, <i>HoD, Dept. of Botany, St. Xavier's College, Ranchi and Organising Secretary (ICEFSA 2022)</i>
11.15 am	About the Conference: Dr. Binay Kumar Chakraborty, <i>Bangladesh Agriculture University, Dhaka</i>
11.25 am	About the Conference: Dr. Chandana Chakraborty, <i>University of UAE, Dubai</i>
11.35 am	Speech of Guest of Honour: Fr. (Dr.) Ajay Arun Minj S J, <i>Vice Principal, St. Xavier's College, Ranchi</i>
11.40 am	Speech of Guest of Honour: Capt. (Dr.) Satish Minocha, <i>Director, Institute of Disaster Management, Kolkata</i>
11.45 am	Speech of Guest of Honour: Fr. (Dr.) Nabor Lakra, <i>Principal, St. Xavier's College, Ranchi</i>
11.55 am	Distribution of Appreciation Certificate of the Best Oral and Poster Presentation
12.05 pm	Speech of Guest of Honour: Prof. (Dr.) Suresh Prasad Singh, <i>Former Vice Chancellor, V K S University, Ara, Bihar</i>
12.25 pm	Comments from the delegates
12.40 pm	Concluding Remarks: Prof. (Dr.) Chandrasekhar Chakrabarti, <i>Former Vice Chancellor, West Bengal University of Animal and Fishery Sciences (WBUAFS)</i>
12.55 pm	Vote of Thanks: Tridib Bandopadhyay, <i>Chairman, Scientific and Environmental Research Institute (SERI), Kolkata</i>
1.05 pm	National Anthem
1.30 pm	LUNCH (Venue: Hall no 3- Food Court)

Sessions' Chairpersons' List

Name of Session Chairpersons & Co Chairpersons

Group A (Environment)- Oral Presentation

Green Hall No	Time	Chairperson	Co Chairperson
1	10.45 am	Dr. N V A Rao	Dr. Arunava Dutta
2	10.45 am	Prof. (Dr.) Chandrasekhar Chakrabarti	Dr. Manoj Kumar
3	10.45 am	Dr. D S Mohanta	Dr. Shiva Kumar

Group B (Forestry)- Oral Presentation

Green Hall No	Time	Chairperson	Co Chairperson
3	12.15 pm	Dr. Tridib Bandopadhyay	Dr. Dipankar Bandopadhyay

Group C (Sustainable Agriculture)- Oral Presentation

Green Hall No	Time	Chairperson	Co Chairperson
1	2.45 pm	Dr. Supriya Shrivastava	Dr. Dhiraj Pathak
2	2.45 pm	Dr. Soma Roy	Swarnima Jha
3	2.45 pm	Dr. Anita Sinha	Jessica R Hansdah

Judges of Poster Presentation

Group A (Environment): 10.15 am

Venue: Fr. D De Brouwer Memorial Auditorium

Dr. Janardan Jee
Dr. Sachindra Kumar
Dr. Rajiv Shrivastava
Dr. Niraj Kumar

Group B (Forestry): 2.45 pm

Group C (Sustainable Agriculture): 2.45 pm

Venue: Fr. D De Brouwer Memorial Auditorium

Dr. Satyendra Kumar
Dr. Ritesh Shukla
Dr. marcus Barla
Dr. H C Lal

GLOSSARY



INAUGURAL AND VALIDICTORY SESSION



ORAL AND POSTER PRESENTATION



FACULTIES OF ST. XAVIER'S COLLEGE, RANCHI



NEWS COVERAGE

सेंट जेवियर्स: पर्यावरण व कृषि पर संगोष्ठी शुरू

रांची, प्रमुख संवाददाता। सेंट जेवियर्स कॉलेज के वनस्पति विभाग की ओर से आयोजित तीन दिवसीय अंतरराष्ट्रीय संगोष्ठी की शुरुआत सोमवार को हुई। इसमें आइकेएसआर कोलकाता के वैज्ञानिक व देश-विदेश के 300 प्रतिभागियों ने हिस्सा लिया।

विषय 'पर्यावरण वानिकी और टिकाऊ कृषि' है। कार्यक्रम में मुख्य अतिथि रांची विज्ञान के कुलपति डॉ

अजीत सिन्हा व बिरसा कृषि विवि के कुलपति डॉ ओंकार नाथ सिंह मौजूद थे। अध्यक्षता प्राचार्य डॉ फादर नाबोर लकड़ा ने की। बांग्लादेश से डॉ विनय चक्रवर्ती और दुबई से डॉ चंदन चक्रवर्ती ने पर्यावरण वानिकी व टिकाऊ कृषि पर व्याख्यान दिये।

डॉ ओंकार नाथ सिंह व डॉ अजीत सिन्हा को लाइफ टाइम अचीवमेंट अवार्ड से सम्मानित किया गया।

इंटरनेशनल कांफ्रेंस का हुआ समापन

रांची। सेंट जेवियर्स कॉलेज के सभागार में कॉलेज के बॉटनी डिपार्टमेंट के तत्वावधान में 14-16 नवंबर तक आयोजित इंटरनेशनल कांफ्रेंस ऑन एन्वायरमेंट, फॉरेस्ट्री एंड सस्टेनेबल एग्रीकल्चर-2022 का समापन बुधवार को हुआ। तीसरे व अंतिम दिन कांफ्रेंस की शुरुआत औरल प्रेजेंटेशन सेसन के साथ हुआ। इसमें उषा मार्टिन के समिन्द्र कुमार एवं पूणे से आए हेमंत डुम्ब्रे निर्णायक मंडली में थे। सत्र में कॉलेज के सोशियोलॉजी डिपार्टमेंट की स्नेह एस कच्छप को सर्वश्रेष्ठ प्रस्तुतिकरण का पुरस्कार प्रदान किया गया। सत्रांत कार्यक्रम में मुख्य अतिथि पूर्व वाइस चांसलर एसपी सिंह थे। कार्यक्रम का उद्घाटन कॉलेज के बॉटनी डिपार्टमेंट के एचओडी डॉ अजय कुमार श्रीवास्तव ने किया। इस मौके पर इस कांफ्रेंस के सफल आयोजन तथा राज्य देश व विदेश से भारी संख्या में वैज्ञानिक, शोधकर्ता की भागीदारी और उनके वैज्ञानिक सोच वाले विचार तथा पेपर की प्रस्तुति को सराहा। कोलकाता से आए डॉ त्रिदिब बन्दोपाध्याय के धन्यवाद ज्ञापन के साथ कांफ्रेंस का समापन हुआ।



रांची 17-11-2022

सेंट जेवियर्स कॉलेज में अंतरराष्ट्रीय सम्मेलन हुआ

रांची। सेंट जेवियर्स कॉलेज में आयोजित तीन दिवसीय अंतरराष्ट्रीय सम्मेलन का समापन बुधवार को हुआ। अंतिम दिन मौखिक प्रस्तुतीकरण हुआ। इसमें निर्णायक ऊषा मार्टिन यूनिवर्सिटी के समिन्द्र कुमार व पूणे से आए हेमंत डुम्ब्रे थे। इसमें कॉलेज के समाजशास्त्र विभाग की स्नेह एस कच्छप को सर्वश्रेष्ठ प्रस्तुतीकरण का पुरस्कार मिला। बांग्लादेश से आए डॉ विनय चक्रवर्ती मौजने ने प्रतिभागियों को और बेहतर प्रस्तुतीकरण के तरीके बताए। समापन समारोह में प्राचार्य डॉ फादर नाबोर लकड़ा, फादर अजय अरुण, डॉ अजय कुमार श्रीवास्तव, डॉ सुदीप बंदोपाध्याय समेत अन्य शिक्षकगण, प्रतिभागी और विद्यार्थी मौजूद थे।

पर्यावरण, टिकाऊ कृषि पर प्रस्तुतीकरण के लिए स्नेह एस कच्छप को सर्वश्रेष्ठ पुरस्कार

रांची। सेंट जेवियर्स कॉलेज रांची में तीन दिवसीय अंतरराष्ट्रीय कांफ्रेंस संपन्न हो गई। इसका विषय पर्यावरण, वानिकी व टिकाऊ कृषि था। अंतिम दिन मौखिक प्रस्तुतीकरण सत्र हुआ। इसमें समाजशास्त्र विभाग की स्नेह एस कच्छप को सर्वश्रेष्ठ प्रस्तुतीकरण का पुरस्कार मिला। इसमें निर्णायक के रूप में एस कुमार व हेमंत डुम्ब्रे रहे।

डीएसपीएमयू : आज होगा सलेक्शन ट्रायल

रांची। डीएसपीएमयू में कबड्डी टीम के लिए सलेक्शन ट्रायल गुरुवार को बास्केट बॉल कोर्ट में होगा। इच्छुक प्रतिभागी सुबह 8.30 बजे रिपोर्टिंग करेंगे। जानकारी स्पोर्ट्स डायरेक्टर डॉ. गणेश चंद्र बास्के ने दी।

CONCLUSION

After these three days of intense and very productive work including oral presentations, research works and poster presentations.

This " International Conference on Environment, Forestry and Sustainable Agriculture " Set out to provide the scientific basis on sustainable development and conservatory idea of environment, forest and agricultural practices.

The conference was organized by the Botany Department of St. Xavier's college, Ranchi.

The involvement of many delegates and experts was essential for the success of this conference. We thank all of them for their presence and contributions.

The goal of the conference was to promote sustainable agriculture which is the way to maintain a parity between the increasing pressure of food demand and food production in the future.

Forests and the products they provide are universally required for the continuation of human society as we know it. Given this situation therefore, it is imperative that we discover mechanisms to manage the forest for all the benefits it can provide, in a sustainable manner.

It is with a great deal of urgency that we must turn that record around and ensure that we have sustainably managed forests for the generations that are to follow.

One of the major and recent concerns in environment conservation and development is the man-made hurdle of global warming. Humans too are facing the problem from climate change today, and the one who are causing these conflicts are from human. It is impossible to stop the global warming, but people still can reduce and slow down this problem. If there is no interaction to this problem the Earth will soon be killed from the change in climate and natural disasters. Humans were the one who changed the world, and now, it is time for the human to change themselves.