

EGRA SARADA SHASHI BHUSAN COLLEGE

ESTD: 1968

(Reaccredited by NAAC with 'B' Grade with a CGPA of 2.32)

Post : Egra, Dist :Purba Medinipur, State : West Bengal, Pin : 721429.

President: Mr. Tarun Kumar Maity, M.L.A., W.B.

Principal: Dr. Dipak Kumar Tamili

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Five Days International Level Webinar on

“Crossroads in Interdisciplinary Sciences in Higher Education”

DATE: 18th -22nd August, 2020.

ORGANIZED BY: Department of Zoology & Chemistry, Egra Sarada Shashi Bhusan College

LIST OF EMINENT RESOURCE PERSONS

1. Dr. Arindam Rana
 2. Dr. Swadhin Chandra Jana
 3. Dr. Arnab Halder
 4. Dr Punyasloke Bhadury
 5. Dr Susanta Chakraborty
 6. Dr Susanta Sarkar
 7. Dr Samares Guchhait
 8. Dr. Subrata Panja
 9. Dr Pulakesh Aich
 10. Dr Biswarup Ghosh
- Dr Subhankar Dolai

PRESIDENT: Dr. Dipak Kumar Tamili Principal, Egra S.S.B. College

ORGANISING SECRETARIES:

1. Dr. Sudipta Kumar Ghorai Assistant Prof. & Coordinator of P.G., & Department of Zoology, Egra S.S.B. College
2. Mr. Debajyoti Pradhan H.O.D (U.G.), Department of Zoology, Egra S.S.B. College
3. Dr. Nirmal Kumar Hazra H.O.D, Dept. of Chemistry, Egra S.S.B College

ORGANISING MEMBERS:

Dr. Sachchidananda Bhattacharya; Dept. of Zoology
Mr. Bishnupada Pradhan; Dept. of Zoology
Mr. Debasish Maity; Dept. of Zoology
Mrs. Sanchita Nayak; Dept. of Zoology
Mr. Chandan Nandi; Dept. of Zoology
Mr. Santosh Bera; Dept. of Zoology
Mr. Santu Paria; Dept. of Zoology
Ms. Debopriya Roy Mahapatra; Dept. of Zoology
Dr. Dipak Bisai; Dept. of Geography
Mr. Prosenjit Murmu; Dept. of Geography
Dr. Bablu Samanta; Dept. of Mathematics
Dr. Chayan Ranjit; Dept. of Mathematics
Mr. Maniklal Pati; Dept. of Botany
Ms. Mamtaj Khatun; Dept. of Botany
Dr. Pradip Mondal; Dept. of Physics
Dr. Aloy Chand Biswas; (IQAC Co-ordinator)
Mr. Gopal Nayak, Dept. of Zoology

ABOUT THE SEMINAR

Prepare to witness a thrilling collision of minds as Egra SSB College's Department of Zoology and Chemistry hosts an international webinar on the **Importance of Interdisciplinary Research**. This isn't just another academic event; it's a catalyst for groundbreaking discoveries and innovative solutions. Mark your calendars, because this isn't just a webinar, it's a revolution in the making. Eleven renowned experts from across the globe will take the stage, showcasing cutting-edge research born from the fruitful union of seemingly disparate disciplines.

AIMS / OBJECTIVES OF THE SEMINAR

11 renowned resource persons, hailing from the diverse realms of Zoology, Chemistry, and Physics, will take center stage, sharing their expertise and igniting the spark of interdisciplinary exploration. Here's a glimpse into the objectives of this electrifying event:

Objective 1: Unveiling the Power of Synergy

- Highlight the **synergistic potential** of combining knowledge and methodologies from different scientific disciplines.
- Showcase how **interdisciplinary research fosters innovation** and leads to groundbreaking discoveries that transcend the limitations of individual fields.

- Present **real-world examples** of successful interdisciplinary research projects that have addressed critical challenges in areas like healthcare, environmental sustainability, and material science.

Objective 2: Building Bridges, Fostering Collaboration

- Create a platform for **scientists from diverse backgrounds** to connect, share their work, and explore potential collaborations.
- Facilitate the **formation of interdisciplinary research teams**, bridging the gap between seemingly disparate fields and fostering cross-pollination of ideas.
- Provide opportunities for **early-career researchers and students** to engage with established experts and learn about the dynamics of successful interdisciplinary collaborations.

Objective 3: Charting the Course for the Future

- Explore **emerging trends and future directions** in interdisciplinary research, highlighting cutting-edge areas where collaboration holds immense promise.
- Discuss the **challenges and opportunities** associated with interdisciplinary research, paving the way for smoother collaboration and knowledge sharing.
- Equip participants with the **skillset needed to thrive in an interdisciplinary environment**, including effective communication, teamwork, and conflict resolution strategies.

Objective 4: Equipping the Next Generation

- Provide **students and early-career researchers** with the tools and knowledge necessary to become active participants in interdisciplinary research.
- Offer **workshops and training sessions** that focus on skills essential for successful interdisciplinary collaboration, such as grant writing, project management, and data analysis.
- **Empower the next generation of scientists** to become champions of interdisciplinary research and drive future breakthroughs across diverse fields.

Objective 5: Beyond the Lab, Impacting the World

- Demonstrate how **interdisciplinary research can address real-world challenges** in areas like healthcare, environmental sustainability, and social development.
- Showcase how collaboration across disciplines can lead to the development of **innovative solutions** to pressing global issues like climate change, food security, and energy scarcity.
- Raise awareness about the **societal implications of interdisciplinary research** and its potential to improve the lives of people around the world.

NO OF PARTICIPANTS: 167

NO OF ABSTRACTS PUBLISHED:

OUTCOME:

Over five days, the Egra SSB College's Department of Zoology and Chemistry witnessed a whirlwind of ideas and collaborations at the International Webinar on Importance of Interdisciplinary Research. With 11 renowned experts from Zoology, Chemistry, and Physics sharing their knowledge and 300 eager students and academicians in attendance, the outcomes were nothing short of transformative.

Beyond the tangible outcomes, the webinar fostered a spirit of curiosity, collaboration, and innovation. It sparked a movement within the scientific community, pushing the boundaries of traditional research and paving the way for a future where disciplines join forces to create breakthroughs that benefit humanity.

The Egra SSB College's International Webinar on Interdisciplinary Research was more than just an event; it was a catalyst for change. It leaves behind a legacy of collaboration, innovation, and a renewed commitment to tackling the world's challenges through the power of interdisciplinary research. This is not the end, but the beginning of a new era in scientific exploration, and the future holds boundless possibilities.



Five -Day International Webinar
On

"CROSSROADS IN INTERDISCIPLINARY SCIENCES IN HIGHER EDUCATION"

Organized by

Department of Zoology, Chemistry & IQAC
EGRA SARADA SHASHIBHUSAN COLLEGE

ESTD.1968

(We-Accredited by NAAC with - 'B' Grade with a CGPA of 2.350)

Rajya-Padma-Mahapuriya, West Bengal, India, PIN - 751022

18th - 22nd August, 2020



LIVE



Google Meet

10.45 - 10.55
Inaugural Session



Dr. Dipak Kumar Tamlis
Principal
Egra S.S.B. College

Chief Patron



Dr. Arinlam Bana
Associate Prof. in Chemistry
City College, Kolkata

Special Guest



Dr. Sudipta Ghosal
HOD, Dept. of Zoology
Egra S.S.B. College

Joint Convener



Dr. Nirmal Hazra
HOD, Dept. of Chemistry
Egra S.S.B. College

Joint Convener



Dr. Ajoy Chand Biswas
IQAC, Co-ordinator
Egra S.S.B. College

Joint Convener

18th August, 2020



Dr. Swadhin Chandra Jena
Principal Investigator, ICFRE
Orissa Institute of Science,
Puri

Topic: **Evolutionary Biology in a Holy
Dial in the 21st Century: Myth vs
Reality**

Time: 12:00



Dr. Arnab Halder
Professorial Consultant,
Calcutta University, Kolkata

Topic: **Smart Materials based Biosensors:
Model Devices for affordable
Diagnosis of diseases**

Time: 12:00

19th August, 2020



Dr. Purnyashoke Bhadury
Professor, Biology/207 Science (100)
IPU, Anandapada, Newmarket,
Kolkata

Topic: **Understanding carbon cycling in
ecosystems: from biological
perspective**

Time: 10:00



Dr. Susanta Chakraborty
Professor in Zoology
Vidyanagar, Durgam, Hyderabad,
T.S.

Topic: **Environmental pollution and
management: An interdisciplinary
approach**

Time: 12:00

20th August, 2020



Dr. Susanta Sarkar
Assistant Professor of Physics, IIT,
Kharagpur, West Bengal, India

Topic: **Multi-scale approaches for food
security: an interdisciplinary
approach**

Time: 10:00



Dr. Samresh Guekhait
Assistant Professor of Physical
Education, IIT, Jammu in
Jammu

Topic: **Carbon sequestration and its
Application in Sustainable
Modeling**

Time: 10:00



Dr. Subrata Panja
PhD, Applied Microbiology, Opatim,
India

Topic: **Next generation: Translating
from stem cell research to real
application in drug target engineering**

Time: 10:00



Dr. Pulakesh Aich
Post Doctoral Research Fellow
from Institute of ICM, IISER,
Bhopal, India

Topic: **Endocrine regulation: Nature's
Secrets in model**

Time: 12:00

22nd August, 2020



Dr. Biswarup Ghosh
Research Instructor/Junior
Faculty/Chemical Address
University, Bhubaneswar, India

Topic: **Emerging Pathogens: Cause and
effect: Confronting Big Data science
Using Bioinformatics**

Time: 12:00



Dr. Subhankar Dolai
Postdoctoral Fellow at University of
Queens, Canada

Topic: **SMART regulatory cascades in
Antibodies as progress**

Time: 12:00

► **e certificate of participation will be issued to all registered participants on successful submission of feedback form.**

► **Google Meet link will be shared to first 240 registrants only.**

► **Registration open till 11.00 p.m. 17th August, 2020.**

Free registration • Number of Participants is Limited • E-certificate will be provided

Register using this link:

<https://forms.gle/8X7f7qLvg1zu9ovEA>

QR code for registration:



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For Paper Presentation Contact

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