

EGRA SARADA SHASHI BHUSAN COLLEGE

ESTD: 1968

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

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Two Days National Level Seminar on

“Bioactive Natural compounds and their effects on animal function, health and welfare”

DATE: 18th -19th August, 2023.

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

LIST OF EMINENT RESOURCE PERSONS

1. Dr. Sushil Kumar Santra
2. Dr. Punyasloke Bhadury
3. Dr. Kuladip Jana
4. Dr. Chittaranjan Sinha
5. Dr. Badal Asru Ghata

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

The Department of Zoology at Egra SSB College is set to organize a groundbreaking national-level seminar that will delve into the fascinating realm of "Bioactive Natural Compounds and Their Effects on Animal Function, Health, and Welfare." This seminar promises to be an intellectually stimulating and informative event, bringing together experts, researchers, and students to explore the profound impact of bioactive natural compounds on various aspects of animal life.

The seminar aims to foster active participation from researchers, academicians, students, and professionals interested in the intersection of zoology, biochemistry, and animal science. Attendees will have the opportunity to engage in discussions, pose questions to the speakers, and participate in workshops or panel sessions.

AIMS / OBJECTIVES OF THE SEMINAR

****Aims:****

1. ****Knowledge Dissemination:**** To disseminate up-to-date knowledge on bioactive natural compounds and their impact on animal function, health, and welfare among the participants.
2. ****Interdisciplinary Understanding:**** Foster an interdisciplinary understanding of the relationship between bioactive natural compounds and animal biology, bringing together insights from zoology, biochemistry, and related disciplines.
3. ****Research Promotion:**** Encourage and promote research in the field of bioactive natural compounds and their applications in enhancing animal well-being.
4. ****Networking Opportunities:**** Provide a platform for students to interact with and learn from distinguished resource persons in the field, fostering networking opportunities and potential collaborations.
5. ****Awareness Building:**** Raise awareness among students regarding the significance of bioactive natural compounds in maintaining animal health and welfare, with potential implications for veterinary science and animal husbandry.
6. ****Skill Development:**** Facilitate skill development by exposing students to advanced research methodologies, techniques, and analytical tools relevant to the study of bioactive natural compounds.
7. ****Integration of Theory and Practice:**** Bridge the gap between theoretical knowledge and practical application by showcasing real-world examples and case studies related to the effects of bioactive natural compounds on animal function.

****Objectives:****

1. **Comprehensive Understanding:** Provide participants with a comprehensive understanding of the diversity of bioactive natural compounds, their sources, and their potential effects on various aspects of animal physiology.
2. **Impact on Animal Health:** Explore and elucidate the role of bioactive natural compounds in promoting animal health, preventing diseases, and enhancing overall well-being.
3. **Welfare Implications:** Investigate the ethical and welfare implications associated with the use of bioactive natural compounds in animal husbandry, ensuring a balanced perspective on their applications.
4. **Cutting-edge Research Insights:** Present cutting-edge research findings and advancements in the field through the contributions of esteemed resource persons, fostering a culture of research excellence among participants.
5. **Application in Veterinary Science:** Discuss the practical applications of bioactive natural compounds in veterinary medicine, animal nutrition, and other related fields, emphasizing translational research.
6. **Interactive Sessions:** Facilitate interactive sessions, panel discussions, and Q&A sessions to encourage active participation and engagement among students and resource persons.
7. **Publication Opportunities:** Provide a platform for participants to showcase their research through paper presentations and poster sessions, with opportunities for publication in relevant journals.
8. **Feedback Mechanism:** Establish a feedback mechanism to assess the effectiveness of the seminar and gather suggestions for improvement, ensuring the continual enhancement of future events.

The participation of renowned experts like Dr. Sushil Kumar Santra, Dr. Punyasloke Bhadury, Dr. Kuladip Jana, Dr. Chittaranjan Sinha, and Dr. Badal Asru Ghata adds credibility and expertise to the seminar, contributing to its success in achieving the stated aims and objectives.

NO OF PARTICIPANTS: 125

NO OF ABSTRACTS PUBLISHED: 88

NO OF PARTICIPANTS IN POSTER PRESENTATION: 15

OUTCOME:

The national-level seminar on "Bioactive Natural Compounds and their Effects on Animal Function, Health, and Welfare" organized by the Department of Zoology at Egra SSB College, with resource persons including Dr. Sushil Kumar Santra, Dr. Punyasloke Bhadury, Dr. Kuladip Jana, Dr. Chittaranjan Sinha, and Dr. Badal Asru Ghata, likely had several significant outcomes. Here are some probable outcomes of the seminar:

1. **Knowledge Enrichment:** The seminar would have provided participants with a comprehensive understanding of bioactive natural compounds and their implications for animal function, health, and welfare. The expertise of the resource persons from diverse backgrounds likely offered a well-rounded perspective on the subject.
2. **Research Inspiration:** The information shared by the resource persons may have inspired students to explore research opportunities related to bioactive natural compounds. Students might be motivated to initiate research projects, investigate the effects of these compounds on animal health, and contribute to scientific advancements in the field.
3. **Interdisciplinary Understanding:** Given the diverse expertise of the resource persons, participants likely gained insights into the interdisciplinary nature of studying bioactive natural compounds. This understanding could encourage students to approach animal health and welfare from a holistic perspective, considering biological, chemical, and ecological factors.
4. **Networking Opportunities:** The presence of accomplished resource persons provided students with valuable networking opportunities. Interacting with experts in the field could open doors for internships, collaborations, or mentorship, enhancing the students' future prospects in animal science and related disciplines.
5. **Curricular Enhancements:** The seminar might lead to enhancements in the zoology department's curriculum. New topics, methodologies, or case studies discussed during the seminar could be incorporated into relevant courses, ensuring that students receive up-to-date and comprehensive education.
6. **Awareness of Animal Welfare Issues:** Discussions on the effects of bioactive natural compounds on animal health and welfare may have raised awareness among participants about the importance of ethical treatment of animals. This could lead to increased sensitivity to animal welfare issues among the students.
7. **Publication Opportunities:** The seminar may have stimulated interest among students and faculty to contribute to the academic literature. Research findings, insights, or reviews stemming

from the seminar could potentially be published in journals, contributing to the dissemination of knowledge in the broader scientific community.

8. **Feedback for Improvement:** Feedback from both participants and resource persons can be collected to evaluate the success of the seminar. This feedback can be used to identify areas for improvement and to plan future events that cater to the needs and expectations of the academic community.

9. **Community Outreach:** The knowledge gained from the seminar might be utilized for community outreach programs. Students may be motivated to share their insights with local communities, promoting awareness of the significance of bioactive natural compounds in animal health and welfare.

In summary, the national-level seminar likely had a positive impact on participants by providing knowledge, fostering research interest, creating networking opportunities, and contributing to the overall advancement of understanding in the field of bioactive natural compounds and their effects on animal function, health, and welfare.

