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.

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Principal: Dr. Dipak Kumar Tamili

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One Day National Level Seminar on

"Anthropogenic impact on riverine ecosystem in costal belt of West Bengal"

DATE: 12th April,2019.

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

LIST OF EMINENT RESOURCE PERSONS

1. Dr. Sushanta Kumar Chakraborty
2. Dr, Amalesh Choudhury

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

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. Nirmal Kumar Hazra; Dept. of Chemistry
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 raising the alarm bell with a one-day national level seminar: "Anthropogenic Impact on Riverine Ecosystems in Coastal Belt of West Bengal." This eye-opening event aims to confront the stark reality of our detrimental impact on these vital systems. Through presentations, discussions, and expert insights, the seminar will shed light on how our actions – pollution, overfishing, dam construction – are silently choking the life out of our rivers. It's a call to action, a platform for awareness and solutions, urging us to understand the consequences and chart a course toward sustainable practices. So join this crucial dialogue, let's navigate towards a future where our rivers flow free and vibrant, enriching not just the coastal belt, but the very core of our existence.

AIMS / OBJECTIVES OF THE SEMINAR

Aims:

- **Raise awareness:** To raise public awareness and understanding of the diverse anthropogenic threats faced by riverine ecosystems in the coastal belt of West Bengal.
- **Highlight impacts:** To showcase the specific detrimental effects of human activities like pollution, overfishing, dam construction, and habitat degradation on the health and biodiversity of these ecosystems.
- **Promote scientific literacy:** To disseminate scientific knowledge and research findings, fostering a deeper appreciation for the ecological functions and values of riverine ecosystems.
- **Spark dialogue and action:** To provoke discussion and generate concrete solutions and mitigation strategies to address the identified anthropogenic impacts.
- **Foster collaboration:** To create a platform for collaboration between researchers, policymakers, environmental organizations, and local communities to implement effective conservation and restoration actions.

Objectives:

- **Present diverse perspectives:** To invite presentations from a diverse range of stakeholders, including ecologists, environmental scientists, social scientists, and representatives from affected communities, offering a holistic understanding of the issue.
- **Facilitate knowledge exchange:** To promote knowledge exchange and collaborative learning through interactive sessions, workshops, and panel discussions.
- **Identify knowledge gaps:** To identify critical knowledge gaps and research needs related to understanding and mitigating anthropogenic impacts on the region's riverine ecosystems.

- **Develop action plans:** To encourage the development of concrete action plans and policy recommendations aimed at addressing the identified threats and promoting sustainable river management practices.
- **Build partnerships:** To facilitate the formation of partnerships and collaborations between various stakeholders to implement the developed action plans and ensure long-term monitoring and evaluation of their effectiveness.

NO OF PARTICIPANTS: 110
NO OF ABSTRACTS PUBLISHED:
OUTCOME:

Enhanced Awareness and Knowledge:

- **98 students** gained insightful knowledge about the diverse anthropogenic threats faced by riverine ecosystems in the region, thanks to the expertise of Prof. Susanta Kumar Chakraborty and Prof. Amalesh Chaudhury.
- The seminar shed light on the specific detrimental effects of human activities like pollution, overfishing, dam construction, and habitat degradation, raising awareness about the urgency of action.
- Participants' understanding of the ecological functions and values of these ecosystems was deepened, fostering a newfound appreciation for their vital role in the coastal belt's health.

Stimulated Dialogue and Action:

- The seminar sparked lively discussions and a call to action among participants, inspiring them to explore solutions and potential mitigation strategies.
- Interactive sessions and workshops facilitated knowledge exchange and collaborative learning, encouraging participants to think critically and creatively about addressing the identified challenges.
- Concrete action plans and policy recommendations began to emerge, aiming to tackle the threats and promote sustainable river management practices in the region.

Overall Impact:

- The seminar served as a powerful platform for raising awareness, stimulating dialogue, and promoting collaborative action toward protecting the vulnerable riverine ecosystems of the West Bengal coastal belt.
- The knowledge and enthusiasm gained by students promise to translate into future research, advocacy, and community engagement, ensuring the long-term success of conservation and restoration efforts.
- By bringing together diverse stakeholders and igniting a spirit of collaborative problem-solving, the seminar's impact extends beyond the one-day event, shaping a brighter future for these vital ecosystems and the communities that depend on them.

One Day National Level Seminar

On

Anthropogenic impact on
riverine ecosystem in coastal belt of West Bengal

12th April 2019 (Wednesday)

Name (Prof./Dr./Mr./Ms.) : SULAGNA MAITI

Sex: FEMALE Position: STUDENT (2nd SEMESTER)

Name & mailing address of institution:
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Category (for registration fee): STUDENT.

Food orientation: Veg/ Non-Veg ✓

Electronic transfer ID :
(of registration fee)

Amount: 200 (Students) / 500 (Others) ✓

Date : Sulagna Maiti
Signature

Contact

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About The Seminar

Human beings have an impact on river ecosystem. Pollution, flow modification, introduction of exotic species and over harvesting are the key areas of the human impact on river ecosystem. Pollution is difficult to control because it's often the result of human infrastructure around rivers. The clearing of mangrove forests has led to ongoing erosion with large quantities of sediment deposition to rivers. Intensified agriculture has resulted in nutrient and chemical loss to nearby streams and rivers and the result is eutrophication.

Dams alter the flow, temperature and sediment in river systems. Reduced flow alters aquatic habitats-reducing or removing populations of fish, invertebrates and plants.

Scientific research sometimes reveals environmental problems can be linked to human activity. This balance between environmental needs and our needs is often the subject of debate involving scientists, environmentalists, authorities and local people. Such discussion can lead to further science exploration and possible solutions.

Topics to be covered:

- Major rivers of West Bengal
- Rivers, flood and uncertainties
- Anthropogenic pressure on riverine systems
- Aquatic biodiversity and its declining trend
- Sustainable management of riverine ecosystem

One Day National Level Seminar

On

Anthropogenic impact on
riverine ecosystem in coastal belt of West Bengal

12th April 2019

Jointly Organized by

Biodiversity Management Committee,
Egra Municipality

&

P.G. Department Of Zoology
Egra S.S.B. College

Sponsored By

West Bengal Biodiversity Board

Venue

P.G Department of Zoology
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