

Topic: Neuroendocrine Control of Animal Behaviour and Homeostasis.

Resource person: Dr. Manash Das, Assistant Professor, Department of Zoology, Gauhati University

Date: 21<sup>st</sup> December, 2024

Venue: Seminar Hall, Department of Zoology.

A Popular Talk was organized by the Department of Zoology, Morigaon College (Autonomous) on 21st December 2024 in the Departmental Seminar Hall of Morigaon College. Dr. Manash Das, Assistant Professor, Department of Zoology, Gauhati University, was present as the resource person and delivered a talk on the topic "Neuroendocrine Control of Animal Behaviour and Homeostasis". The session started at 11:00 A.M. with an introduction to the fundamental concepts of neuroendocrinology, highlighting how hormones and neural mechanisms coordinate to regulate animal behaviour and maintain internal physiological balance. Dr. Manash Das elaborated on the complex interactions between the nervous and endocrine systems, discussing key examples such as stress response, reproductive behaviours, circadian rhythms, and thermoregulation. He also touched upon recent advances in the field, including molecular techniques used to study neuroendocrine pathways and their implications in both animal models and human health. The historical development of neuroendocrinology was also briefly discussed to provide context for current research trends.

The invited talk was highly informative and engaging, providing a comprehensive overview of the current understanding of neuroendocrine control mechanisms. It offered valuable insights into the intricate balance organisms maintain to adapt and survive in changing environments. The event was well-received by the audience, who appreciated the opportunity to gain knowledge from a leading expert in the field. A total of 30 PG students attended the talk.



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and Homeostasis  
Resource Person: Dr. Manas Das, Asst. Prof. Gauhati University  
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Date: 21<sup>st</sup> DEC/24

Signatures:

- 1.
2. Dr. Abdul Qasim Osmani
3. Madhubanti Das.
4. Bils Jaree
5. Aysha Siddiqua
6. Tampi Ranu
7. R. Ahmed
- 8.
- 9.
10. Anisha Sultana
11. Lalita Mandal
12. Chayanika Kalita
13. Nikita Shakti
14. Isha Rani Saharia
15. Prashuti Das.
16. Sonju Das.
17. Deepshikha Devi
18. Rituparna Dey
19. Baranika Debra

20. Adarsh Chauhan
21. Reshika Bhatnagar
22. Karboni Rongheng
23. Supriya Majumdar
24. Geeta Shankar Kakati
25. Chirpi Bora
26. Tanvi Bora
27. Rakshita Bora
28. Anshu Rani
29. Dimpal Bora
30. Kunal Medhi
31. Karamjyoti Karika
32. Debojani Devi
33. Akhtar Ali
34. Sajida Akhtar
36. Sk. Shahin Siddika
37. Rubi Afruj