

Report on Seminar: "Impact of Toxicants mainly Mercury on Fish Health"

Date: 17 September 2024

Time: 1:20 pm - 2:10 pm

Venue: Zoology Department, Room No. 242

Resource Person: Dr. Harmanpreet Kaur Gill, Faculty, Khalsa College, Amritsar, Punjab

Introduction: The seminar commenced with a warm introduction of the resource person, Dr. Harmanpreet Kaur Gill, by Dr. Krishan Lal Daroch, Head of the Zoology Department. Dr. Daroch highlighted Dr. Gill's expertise in the field of zoology and her research contributions.

Dr. Harmanpreet Kaur Gill delivered an insightful presentation on the "Impact of Toxicants mainly Mercury on Fish Health". She discussed the effects of mercury pollution on fish physiology, behavior, and ecology. The presentation covered various aspects, including her research on *Channa punctata* and chemical used is mercuric chloride, using these she performed many tests on fish and other aspects such as

1. Sources of mercury pollution in aquatic ecosystems
2. Bioaccumulation and biomagnification of mercury in fish
3. Toxic effects of mercury on fish reproduction, growth, and development
4. Implications of mercury contamination on human health through fish consumption

Dr. Gill emphasized the alarming levels of mercury contamination in fish and its consequences on aquatic ecosystems. She highlighted the need for stricter regulations and monitoring of mercury emissions to mitigate its harmful effects .

The seminar was attended by students of Bsc and Msc 1st and 3rd semester and Faculty members, including Dr. Sandeep Kumar, Professor Sanjay Chauhan, and Professor Harsha, also graced the occasion with their presence. After the completion of the seminar ,Dr. Krishan Lal Daroch expressed gratitude to Dr. Harmanpreet Kaur Gill for sharing her expertise and insightful knowledge on the critical issue of mercury toxicity in fish. The seminar concluded with a thoughtful and valuable learning experience for the students and faculty members.

Acknowledgement: The Zoology Department extends its sincere appreciation to Dr. Harmanpreet Kaur Gill for her informative presentation and to the students and faculty members for their active participation.

Prepared by: Radhika and Anjali (Msc Zoology 3rd sem)

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