



KIIT DEEMED TO BE UNIVERSITY, BHUBANESWAR



KIIT SCHOOL OF PHARMACY
JOURNAL CLUB
FACULTY SEMINAR

Ms. Sonalin Rout

Date: 26 March 2026

Area - Analgesic Activity Study

Presentation title: “Analgesic Activity Study by using Ethanol Extract of *Mentha piperita* stem in Animal Model”

Ms. Sonalin Rout presented a seminar on the analgesic activity of *Mentha piperita* stem extract in an animal model under the Journal Club activities of KIIT School of Pharmacy. The seminar focused on evaluating the pain-relieving potential of an ethanol extract prepared from the stem of *Mentha piperita*. The presentation discussed an experimental approach for assessing the analgesic activity of the plant extract using suitable animal models. The study is significant in the field of pharmacognosy and pharmaceutical research, as it investigates the biological activity of a plant-derived preparation and its potential therapeutic application in pain management.

The seminar provided an overview of the relevance of medicinal plants in drug discovery and highlighted the importance of experimental animal models in evaluating pharmacological activities. Overall, the presentation demonstrated the potential of *Mentha piperita* stem extract as a subject of pharmacological investigation and contributed to a better understanding of plant-based approaches to analgesic research.



Ms. Ipsita Kar

Date: 26 March 2026

Area - Marine Algae and Blue Economy

Presentation title: “Algae: A Sustainable Blue Economy Resource for Future Drug Discovery & Development”.

Ms. Ipsita Kar presented a seminar on “Algae as a Sustainable Blue-Economy Resource for Future Drug Discovery and Development”. The presentation highlighted the potential of marine algae as a valuable biological resource for pharmaceutical research, particularly in the discovery and development of novel therapeutic agents.

The seminar connected marine biodiversity, sustainable blue-economy principles, and pharmaceutical innovation, emphasizing how algae-derived bioactive compounds may contribute to future drug discovery while supporting sustainable utilization of marine resources.

The session was conducted as part of the Journal Club series at KIIT School of Pharmacy. The accompanying photograph captures Ms. Ipsita Kar delivering her presentation with a laptop and projected slides in the seminar venue.



Dr. Priti Murmu

Date: 30 April 2026

Area - Antibiotic Prescribing in LRTIs

Presentation title: “A Prospective Observational Study on the Prescribing Pattern of Antibiotics in LRTIs”

Dr. Priti Murmu delivered a Journal Club seminar on “Prescribing Pattern of Antibiotics in Lower Respiratory Tract Infections (LRTIs)” on 30 April 2026 at KIIT School of Pharmacy.

The seminar presented the topic as a prospective observational study examining antibiotic prescribing practices among patients with LRTIs. The discussion highlighted the importance of understanding how antibiotics are selected and utilized in clinical practice, linking observational research findings with practical issues surrounding rational antibiotic use.

The supplied photograph shows Dr. Priti Murmu presenting the study in the seminar room, with the study title displayed on the presentation screen. The seminar formed part of the Journal Club activities of KIIT School of Pharmacy and provided a clinically relevant perspective on antibiotic prescribing in respiratory tract infections.



Bhubaneswar, Odisha, India 🇮🇳

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Lat 20.353734° Long 85.814889°

Thursday, 30/04/2026 04:54 PM GMT +05:30

Mrs. Jasma Jena

Date: 29 May 2026

Area - Moringa Endophytes and Hepatoprotective Activity

Presentation title: “Isolation and Characterization of Fungal Endophytic Fractions Associated with Leaves of *Moringa oleifera* Lam. for *in vivo* Hepatoprotective Activity in CCl₄-Induced Rats”

This describes a Journal Club seminar at KIIT School of Pharmacy on 29 May 2026, presented by Mrs. Jasma Jena.

The seminar focuses on Fungal endophytes associated with *Moringa oleifera* leaves; Isolation and characterization of fungal endophytic fractions; PCR and molecular characterization to help identify/characterize the fungal isolates; *In vivo* hepatoprotective activity using CCl₄-induced liver injury in rats; The broader therapeutic potential of *Moringa*-associated endophytes as sources of biologically active compounds.

The seminar connects four major research areas: medicinal plants → fungal endophytes → molecular identification → experimental hepatoprotection. Rather than evaluating *Moringa oleifera* only as a medicinal plant, the study examines its associated endophytic fungi as potential sources of compounds with protective effects against chemically induced liver damage.



Dr. Roja Sahu

Date: 26 June 2026

Area - *Zanthoxylum armatum* – Phytochemical and Pharmacological Profile

Presentation title: *Zanthoxylum armatum* – Introduction, Plant Profile, Pharmacological Activities and Major Bioactive Constituents

The seminar presentation focused on *Zanthoxylum armatum*, highlighting its botanical profile, pharmacological activities, and major bioactive constituents. The introductory slide presented an overview of the plant and summarized its medicinal significance, along with its reported pharmacological activities and important phytochemical constituents. A dedicated section addressed the anticancer activity of *Z. armatum* reported by previous researchers, emphasizing the growing scientific interest in its potential therapeutic applications.

The presentation concluded by describing *Z. armatum* as a phytochemical-rich medicinal plant possessing significant antioxidant, hepatoprotective, and antiproliferative properties. Its reported biological activities suggest that the plant may have considerable therapeutic potential and could serve as a promising candidate for further investigation, particularly in the context of breast cancer therapy.

The photograph documents the seminar presentation held on 26 June 2026.



Dr. Baijayantimala Swain

Date: 3 August 2026

Area - 3-Functionalised-1-Phenyl-1,2,3-Triazole Sulfamoylbenzamides

Presentation title: “Design, Synthesis and Biological Evaluation of 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamides as Carbonic Anhydrase Inhibitors”

This presentation focused on a medicinal chemistry study of 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamides as carbonic anhydrase inhibitors. It covered three main stages:

Design: development of novel 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamide structures.

Synthesis: preparation and chemical characterization of the designed compounds.

Biological evaluation: assessment of the synthesized compounds for carbonic anhydrase inhibitory activity.

The seminar was delivered by a faculty member from the Department of Pharmacy and incorporated chemical structures and reaction concepts, as illustrated by the whiteboard shown in the presentation.

Overall, the work represents a structure-based medicinal chemistry approach aimed at discovering and evaluating new carbonic anhydrase inhibitor scaffolds.

