



**MICROBIOLOGISTS SOCIETY, INDIA STUDENT CHAPTER & BOLT –
Biotechnology Outreach and Leadership Team
Department of Biotechnology,
KLEF, Vaddeswaram, Guntur, Andhra Pradesh**

A REPORT ON INTERNATIONAL GUEST LECTURE ON 21/01/2026

Title of the Lecture: Anti-Carcinogenic Bioactive Peptides from Marine Resources

Date: 21st January 2026

Time: 11:00 AM – 12:30 PM

Venue: Sunflower Hall, KLEF Deemed to be University, Andhra Pradesh

Speaker: **Dr. Mannur Ismail Shaik**, Senior Lecturer and Deputy Chairman (UMT-UN-WIFI), Faculty of Fisheries and Food Science, Universiti Malaysia Terengganu, Kuala Nerus, Malaysia

Event Coordinator: Dr. Arifullah Mohammed, Professor, Department of Biotechnology

The Department of Biotechnology, Koneru Lakshmaiah Education Foundation (KLEF), Vaddeswaram Campus, successfully organized an International Guest Lecture on 21st January 2026 (Wednesday) from 11.00 AM to 12.30 PM at Sunflower Hall, KLEF, Vaddeswaram. The lecture was delivered by Dr. Mannur Ismail Shaik, Senior Lecturer and Deputy Chairman (UMT–UN–WIFI), Faculty of Fisheries and Food Science, Universiti Malaysia Terengganu (UMT), Kuala Nerus, Malaysia. The session was conducted on the topic “Anti-Carcinogenic Bioactive Peptides from Marine Resources.”

The primary objective of organizing this international guest lecture was to provide global exposure to students and faculty, and to acquaint them with the latest advancements in biomedical research and fish protein engineering, in alignment with the department’s curriculum and ongoing research interests.



During the lecture, Dr. Mannur Ismail Shaik elaborated on the importance of marine resources as a rich source of bioactive peptides with potent anti-carcinogenic properties. He discussed the mechanisms of action of marine-derived peptides, their role in cancer prevention and therapy, and the recent developments in extraction, characterization, and functional evaluation of these biomolecules. The lecture also highlighted the interdisciplinary integration of biotechnology, marine science, and biomedical applications, offering valuable insights into translational research opportunities.

Dr. Shaik further emphasized the scope of fish protein engineering, emerging research trends, and international collaborative opportunities in marine biotechnology. The presentation stimulated keen interest among students and faculty, particularly those engaged in research related to biomedical biotechnology, bioactive compounds, and functional foods.

The session concluded with an interactive question-and-answer segment, during which participants actively engaged with the speaker, clarifying concepts and discussing future research prospects. The lecture was highly informative and well received, contributing significantly to the academic enrichment and research orientation of the participants.

Overall, the International Guest Lecture was a successful academic initiative, strengthening international academic linkages and enhancing the global perspective of the Department of Biotechnology at KLEF.

Acknowledgements

The Department of Biotechnology extends its gratitude to **Dr. Mannur Ismail Shaik** for his valuable time and knowledge sharing, and to the **Registrar and Management of KLEF** for their support in organizing the event. Special thanks to Dr. Nadeem Siddiqui for coordinating the lecture.

Prepared by:

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Date: 2nd February 2026

Dr. V. Praveen Kumar

Department chair