

One Day International Symposium on

Applications of Artificial Intelligence in Microbiology: Emerging Trends and Future Perspectives

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Convenors

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Dr. Arun Kumar Rajendran, SHINE

For queries



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About the symposium

The One Day International Symposium on “Applications of Artificial Intelligence in Microbiology: Emerging Trends and Future Perspectives” offers participants an opportunity to explore how AI is transforming the landscape of microbiological research and healthcare diagnostics. Attendees will gain insights into cutting-edge applications of machine learning and data analytics in pathogen detection, antimicrobial resistance monitoring, and predictive microbiology. The symposium will also highlight emerging global trends, translational research opportunities, and the integration of AI in clinical decision-making. By engaging with experts and peers, participants will enhance their understanding of this interdisciplinary field and gain valuable perspectives to advance research, innovation, and professional practice in microbiology and health technology.

The Experts



Dr. Adrian Egli,
Director, Institute of Medical
Microbiology, University of
Zurich, Switzerland



Dr. Oliver Nolte, Head,
Diagnostic Department,
Institute of Medical Microbiology,
University of Zurich, Switzerland



Dr. Beula Subashini P, Asso Prof
Christian Medical College, Vellore



Dr. Thirumalai Kumar,
Assistant Research Director, MAHER

About SHINE

The **School of Healthcare Science and Technology (SHINE)** at **Vellore Institute of Technology (VIT)** is a pioneering multidisciplinary school that integrates **engineering, science, and medicine** to address the evolving needs of global healthcare. SHINE bridges technology and life sciences through innovative programs, translational research, and strong industry-academic collaborations. Along with the Centre for Biomaterials, Cellular, and Molecular Theranostics (CBCMT) - a world-class research facility - SHINE provides access to advanced infrastructure including 3D bioprinters, medical robotic systems, AR/VR simulators, brain-computer interfaces, and complete microbiology and biomaterials testing setups. The school's flagship B.Tech in Health Sciences and Technology program equips students with cutting-edge knowledge in AI, robotics, medical devices, genetics, and healthcare innovation, fostering professionals ready to lead at the interface of medicine and technology. SHINE's collaborative ecosystem spans popular international universities, hospitals, and industries, creating opportunities for research, internships, and entrepreneurship through VIT's Innovation Council and Technology Business Incubator. With nearly 40% of courses led by clinicians and industry experts, students gain direct exposure to real-world healthcare challenges and practical problem-solving. Dedicated to excellence in Health and translational research, SHINE focuses on shaping the next generation of healthcare innovators, engineers, and scientists committed to transforming healthcare and advancing global health.

Venue



**Kamaraj Auditorium, Technology
Tower (TT), VIT, Vellore, Tamil Nadu**

Date



**27th November, 2025
10:00 AM**

Register for

INR 200 Only

(Non-refundable)

Register by

25th November, 2025

Register at



<https://events.vit.ac.in/>