

RESEARCH CENTRE UPDATES

- ❖ The proposal led by Dr. Sheena S. Raj, Dr. Nebu George Thomas and Dr. A. Devadathan made it to the young innovative programme's final 22 and was chosen for funding and eventual execution. Additionally, the initiative was chosen for the Kerala Start-up programme and accelerated Innovation Track (AIT)
- ❖ **Dr. Nebu George Thomas** has successfully completed his PhD. Colloquium on the topic "Development of sol-gel synthesized 45S5 bioglass based bone graft intended for periodontal regeneration" from Vellore Institute of Technology, Vellore on 27th January, 2023 under the guidance of Professor. Anand Anbarasu

BOOK CHAPTER

Mridula Sreedharan, Jyothish Kumar J. S., Anjali G., Nebu G. Thomas, Shilpa Joy, Nandakumar Kalarikkal, and Sabu Thomas. "Biomedical Applications of Magnetic Nanomaterials/Ferrites." *Physics and Mechanics of New Materials Synthesis, Processing, and Emerging Applications* (2024), <https://www.appleacademicpress.com/physics-and-mechanics-of-new-materials-synthesis-processing-and-emerging-applications/9781774915738>

Varghese R, Vijay N, Dalvi YB. Antiviral Polymers For Food Safety. In *Nanotechnology Platforms for Antiviral Challenges 2023* Feb 8 (pp. 45-56). CRC Press. (<https://www.taylorfrancis.com/chapters/10.1201/9781003243175-3>)

PUBLICATIONS AND PRESENTATIONS

PUSHPAGIRI RESEARCH CENTRE

- ❖ Bhowmik, Deepshikha, Shiela Chetri, Kingsley Erhons Enerijiofi, Aniket Naha, Tushar Deb Kanungo, Maulin P. Shah, and Soumitra Nath. "Multitudinous approaches, challenges and opportunities of bioelectrochemical systems in conversion of waste to energy from wastewater treatment plants." *Cleaner and Circular Bioeconomy* (2023): 100040. <https://doi.org/10.1016/j.clcb.2023.100040>
- ❖ Augustine R, Kalva SN, Dalvi YB, Varghese R, Chandran M, Hasan A. Air-jet spun tissue engineering scaffolds incorporated with diamond nanosheets with improved mechanical strength and biocompatibility. *Colloids and Surfaces B: Biointerfaces*. 2023 Jan 1;221:112958. Impact factor 5.999, (<https://www.sciencedirect.com/science/article/pii/S0927776522006427>)

DEPARTMENT OF MICROBIOLOGY

Dr. Aneeta Mary Jacob presented a paper titled "Does antibiotic policy and its auditing have an impact on prescribing practices?" at the International Congress on Infectious Diseases on 21st January 2023.

DEPARTMENT OF PSYCHIATRY

Dr. Roy Abraham Kallivayalil, HOD & Professor of Psychiatry Department, presented a paper on "Access to care: challenges faced by low and middle-income countries"; at the Joint World Congress of the World Association of Social Psychiatry and The Royal College of Psychiatrists faculty, London from 16th to 18th January 2023. Theme of the Conference was "Recovery from mental illness: challenges and solutions from across the globe".