

Press Release

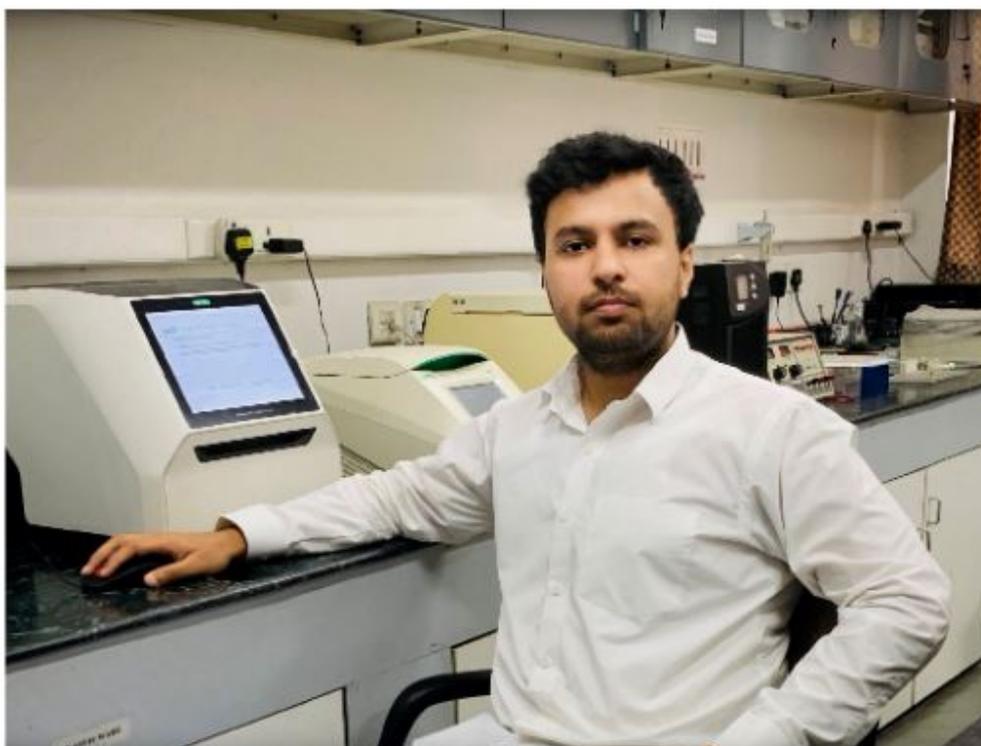
JMI research scholar receives NERC, UK funded Indo-UK Research Project

Syed Ahmed Rizvi, a research scholar in the Department of Biosciences, Jamia Millia Islamia (JMI) and researchers at University of Birmingham and the University of Warwick UK have jointly received a prestigious Natural Environment Research Council (NERC)-funded Indo-UK research project under the Early Careers Pump-Priming Initiative. The project entitled “PFAS co-selection of AMR in the environment” (“Sub-Project 5”) has been sanctioned under a call “India-UK Tackling AMR in the Environment from Antimicrobial Manufacturing Waste”.

In this study, Mr Ahmed in collaboration with Dr. Kaniz Chowdhury, University of Birmingham, Dr Chiara Borsetto and Dr Emma Travis, University of Warwick UK will measure the poly-fluoroalkyl substances (PFAS) and antimicrobials concentration in water sample from two UK locations and investigate the co-selection of antimicrobial resistance genes (ARGs) in environmental microbial communities exposed to PFAS and antibiotics. Furthermore, this study will explore the effect of PFAS exposure on the bacterial biofilm.

Mr. Ahmed is a JRF in the Indo-UK joint collaborative research project “SELECTAR: Selection for antimicrobial resistance by antimicrobial production waste” sanctioned to Prof. Qazi Mohd. Rizwanul Haque, JMI. This project involves representatives from UK and Indian universities (University of Birmingham UK, University of Leeds UK and five Indian universities viz. Indian Institute of Technology Delhi, CSIR-Central Drug Research Institute Lucknow, Aligarh Muslim University, Aligarh, Panjab University Chandigarh and JMI, New Delhi to investigate the impact of pharmaceutical waste release on microbial ecosystems. Furthermore, this study will explore as to which extent antimicrobial waste selects for resistance in microbial population.

Syed Ahmed Rizvi is currently working in the Microbiology Research Lab, Department of Biosciences, Faculty of Natural Sciences, and registered for PhD under the supervision of Prof. Qazi Mohd Rizwanul Haque, Co-PI, Indo-UK joint research project “SELECTAR”.



Syed Ahmed Rizvi