

NIREAS SPEAKER SERIES

WHEN IDEAS FLOW

Wednesday, February 5, 2020

16:30 PM Learning Resource Centre "Stelios Ioannou", Room LRC 019,
University of Cyprus

Dr Nishant A. Dafale

Scientist at CSIR-National Environmental Engineering Research Institute, India

Application of genomics and metagenomics tools for unfolding the functional capacity of different ecological niches

Brief CV

Dr. Nishant is currently working as a senior Scientist in the Environmental Biotechnology & Genomic Division at CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur, in India. Previously, he has worked in the Indian Pharmacopoeia Commission (IPC) as a senior Scientific Officer, Ministry of Health & Family Welfare, Govt. of India, Ghaziabad. He has more than 15 years of research experience in the area of Biotechnology and Microbiology. His current interest areas of research include gut microbial dynamics, design of activity specific microbial consortia, antimicrobial resistance pattern, microbial genomics and metagenomics with respect to environment and health issues. This research highlights the antimicrobial resistome pattern to predict the hot-spot for development, breeding and spread in various ecosystems. Currently, he holds five major projects including an Indo-EU with respect to Antimicrobial resistance in designed tertiary treated wastewater systems. Also, he is working on microbial dynamics in different environmental niches and their application for valuable products. He is empanelled as Technical Expert for the biological area as a lead assessor by the National Accreditation Board for Testing and Calibration (NABL), Quality council of India, New Delhi.

Dr. Nishant has published more than 32 papers in SCI journals and significantly contributed in 5 books and presented several research papers in National and International conferences. He has contributed in three editions of the Indian Pharmacopoeia (IP) which is a legal book to fulfil the requirements under the Drugs and Cosmetics Act 1940 and Rules 1945 for specifying the standards of medicines produced and/or marketed in India. He is supervising four Ph.D students and 15 M. Sc projects (dissertation) have been completed under his guidance.