INDIAN INSTITUTE OF MANAGEMENT MUMBAI

Date: 11/11/2023

IIM Mumbai erstwhile known as NITIE was established by the Government of India in 1963 with the assistance of the United Nations Development Programme (UNDP) and the International Labor Organization (ILO). IIM Mumbai has been consistently ranked among the top B-schools in India. IIM Mumbai is ranked 7th in the National Institutional Ranking Framework (NIRF) rankings for 2023 among Management Institutes across India. IIM Mumbai is committed to creating skilled professionals in diverse functional areas like Operations Management, Analytics, Finance, Marketing, Project Management, HR, Information Technology, and Sustainability Management. IIM Mumbai has been providing solutions to the complex problems of industry. Further details at www.iimmumbai.ac.in.

SARASWATI 2.0: The aim of SARASWATI 2.0 is to identify best available and affordable technologies for decentralized wastewater treatment with scope of resource/energy recovery and reuse in urban and rural areas. Further, it addresses the challenge of real time monitoring and automation. The previous SARASWATI project has shown that a number of decentralized wastewater treatment plants in India do not perform properly and that there are few plants that would meet the more stringent standards as those proposed by the Indian Government in 2015. Thus, in many cases not even CATNAP (the cheapest available technology narrowly avoiding prosecution) has been applied, leading to high pollution levels. The SARASWATI project therefore proposed to adopt the principle of BAT (best available technologies) in a more flexible way, adapting the definition of BAT to the local context, based on complementing the treatment efficiency with the costs of the treatment technology and affordability, and local context in the location of application. This will allow to identify BATs with more stringent standards if required and suitable for the location. Thereby, ten pilot technologies in 7 Indian States demonstrating enhanced removal of organic pollution (BOD, TSS), nutrients (particularly Nitrogen), organic micro-pollutants and pathogens have been proposed (WP1). Further, all pilots allow for resource recovery contributing to the principles of a circular economy and will undergo a comprehensive performance assessment (WP2) complemented by an extended sustainability assessment informed by recent ISO standards (WP4). This will allow identification of BATs for the Indian context. In addition, suitable automation and control strategies will be tested and recommended, taking into account the presence of operators and their level of knowledge and expertise (WP3). Finally, WP5 is dedicated to dissemination and exploitation of results. The consortium is comprised of a well-balanced EU-Indian team of 18 partners.

JOB DESCRIPTION

- **Post:** Junior Research Fellow
- **Number of Posts:** 1
- **Duration:** 6 months or more based on performance
- **Job Profile:**
  - Research work, primary and secondary data generation, collection, analysis and interpretation.
  - Literature survey, writing reports, writing research papers and articles, laboratory experiments, running of pilot projects in field as per the need, etc.
- **Eligibility/Qualification:**
  - M.Sc./M.Tech. in Environmental Science/ Engineering, MBA in Environmental or Sustainability Management.
  - Ph.D. in relevant field preferred.
  - Candidates with relevant experience in environmental management, LCA, sustainability, product sustainability, net zero, etc. will be given preference.
- **Remuneration:** Rs. 31000/month + 24% HRA (as of now)
- **Location:** IIM Mumbai Campus, Mumbai-400087
- **Age:** Preferable below 35 Years

Eligible candidates will be called for interview as per recommendations of the Screening Committee.

How to Apply: Interested persons may email their CV to email id sric.tech@iimmumbai.ac.in with a copy to anjusingh@iimmumbai.ac.in till 27.11.2023.