PROFILE

Name and Designation	Dr. S. Venkata Mohan, Director, CSIR–National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, since January 2025.
Educational Qualifications	B.Tech in Civil Engineering; M.Tech in Environmental Engineering; Ph.D. from Sri Venkateswara University, Tirupati
International Academic Engagements	Alexander von Humboldt Fellow, Technical University of Munich, Germany; Visiting Professor, Kyoto University, Japan.
Previous Position	Scientist 'G', CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad.
Research Experience and Expertise	Over three decades of research experience in environmental engineering, biotechnology, bioelectrochemistry and sustainability science, with expertise in circular bioeconomy, waste biorefineries, carbon circularity and regenerative environmental technologies.
Major Research Contributions	Acidogenesis, bioelectrogenesis, microbial electrochemical systems, biological hydrogen production, CO_2 bioconversion, biomass valorization and carbon-neutral biorefineries.
Key Technological Areas	Microbial fuel cells, microbial electrogenesis, electro-fermentation, biological CO_2 conversion, lignocellulosic biomass fractionation, wastewater treatment, textile effluent remediation and bioelectrocatalytic environmental remediation.
Technology Translation and Applications	Development and advancement of pilot- and field-scale technologies for industrial wastewater treatment, waste biorefineries, hybrid CO_2 biosequestration, biohydrogen production and low-cost decentralized Effluent/Sewage Treatment Plants. Contribution to wastewater-based epidemiology for surveillance of SARS-CoV-2 and antimicrobial-resistance markers.
Research Publications and Intellectual Property	460 + peer-reviewed scientific publications, 16 patents, 42,900+ citations and an h-index of 110. Scholarly contributions include a monograph, a book, over 60 book chapters and five edited volumes.
Research Guidance	Guided 47 doctoral scholars
Major Awards and Recognitions	Rashtriya Vigyan Puraskar-Vigyan Shri (2025); Shanti Swarup Bhatnagar Prize; INAE–SERB Abdul Kalam Technology Innovation National Fellowship; DBT-Tata Innovation Fellowship; VASVIK Industrial Research Award; ProSPER.NET–Scopus Young Researcher Award in Sustainable Development; NASI-Scopus Young Scientist Award; NDRF-IEI Environmental Engineering Design Award.
Professional Fellowships	Elected Fellow of the Indian National Science Academy (effective 1 January 2027); National Academy of Sciences, India; Indian National Academy of Engineering; Telangana and Andhra Pradesh Academies of Sciences; and Biotech Research Society of India.
Editorial Responsibilities	Editor-in-Chief, *Bioresource Technology Reports*; serves on the editorial boards of several scientific journals.