

## Brief Biodata

### **Dr Parthasarathi Ramakrishnan**

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[https://scholar.google.co.in/citations?user=aC\\_1Qc0AAAAJ&hl=en](https://scholar.google.co.in/citations?user=aC_1Qc0AAAAJ&hl=en)

**Dr. Parthasarathi Ramakrishnan** serves as Senior Principal Scientist of CSIR-Indian Institute of Toxicology Research, Lucknow at Computational Toxicology Facility and leading Technology Development & Innovation Centre (TDIC) including the Centre for Innovation and Translational Research (CITAR)-BIRAC-BIONEST-IITR and Environmental Monitoring and Intervention Hub (DSIR-CRTDH-IITR). Dr Partha earned his PhD from CLRI, University of Madras and he served as a scientist with highly reputed institutions like the Lawrence Berkeley National Labs, Los Alamos National Laboratory, and Sandia National Laboratories, USA.

He has more than 23 years of research experience in applied biochemistry to unravel important issues in human health and the environment. He has authored more than 140 research articles in journals of high repute with 9600 citations, H-Index: 50, and eight patents from his research contributions.

Dr. Parthasarathi is significantly contributing to the field of computational chemistry by understanding molecular interactions and predictive toxicology of chemicals for risk assessments. His lab is currently involved in the development of AI & ML-based computational toxicity models, biomolecular simulations, databases for risk assessment, and developing innovative predictive approaches relevant to translational research. He established a dedicated Toxicology High-Performance Computing facility (TRISHUL) at CSIR-IITR, which is one of a kind in the country

CITAR-IITR-BioNEST is the first BioNEST awarded to a CSIR institution and the largest BioNEST in Uttar Pradesh. State-of-the-art Bio incubator facility provides mentorship and support services with NABL and GLP accredited testing for Safety assessment and validation of biologicals and chemicals. This hub is incubated with 16 start-ups and has served more than 35 incubation services since its establishment. DSIR-CRTDH-IITR is supported by DSIR-Common Research and Technology Development Hubs (CRTDHs). This facility supports MSMEs in the domain of environmental pollution reduction and supporting technological solutions for effluent treatment. This hub has served over 65 MSMEs in the sector, trained more than 850 Manpower, and conducted 45 workshops.

Dr. Partha has received several awards, including a prestigious Cray's HPC Dr. A.P.J Abdul Kalam Award (2019), Directors Fellowship, Los Alamos National Laboratory (2009), BRSI Prof SB Chincholkar Memorial Award, and the *Young Associate of Indian Academy of Sciences* (2008). He was elected Fellow of the Royal Society of Chemistry (FRSC) in 2020 and the Indian Chemical Society in 2019.