

RESUME OF PROF. T. G. SITHARAM

Dr. TG Sitharam is the Director of Indian Institute of Technology Guwahati, Assam since July 2019. He is the member of Science and Engineering Research Board (SERB), Established through an Act of Parliament: SERB Act 2008, Department of Science & Technology, Government of India. He is a Senior Professor in Department of Civil Engineering, Indian Institute of Science (IISc), Bangalore and served IISc for more than 27 years. He was Chairman, Board of Governors at IIT Guwahati during 2019-2020 for more than a year. He was the former Chairman, Research Council, CSIR- CBRI (Central Building Research Institute, Roorkee). He also holds the position of Director (additional charge) of Central Institute of Technology, Kokrajhar, Assam, since May 2021. He obtained his Bachelor's in Civil Engineering from Mysore University, Master's in Civil Engineering from Indian Institute of Science (1986) and Ph.D. in Civil Engineering from University of Waterloo, Waterloo, Ontario, Canada (1991). He worked as a lecture at University of Waterloo soon after his PhD and did his post-doctoral at Center for earth sciences and engineering at University of Texas at Austin, Texas, USA during 1991-94. He has served as a visiting or honorary professor at many universities in countries such as Japan, Canada, USA, Hongkong, Australia and Republic of China.

He was listed in the world's top 2% of scientists for the most-cited research scientists in various disciplines by Stanford University in 2020. Agin his name appeared in the top 2% of scientists IN Elsevier by Stanford University in 2021. His broad area of research falls in to Geotechnical Infrastructure engineering including ocean and coastal zone management, earth sciences, hydrology, seismology, and natural hazards. He has carried out Seismic microzonation of many urban centers in India and he is an authority on seismic microzonation and site effects in the world. Presently, he is the President of Indian Society of earthquake Technology and he chaired the 7th International conference on recent advances in Geotechnical earthquake engineering and soil dynamics held in July 2021. He is also the President of International Association for Coastal Reservoir Research (IACRR) and IACRR's vision is to be the world's leading organization, dedicated to advancing all aspects of Coastal Reservoir and promoting the sustainable development and management of coastal zones. He is the Scientific Committee Chairman of the 1st IACRR International Conference on Coastal Reservoirs and Sustainable Water Management to be held in China during Nov 2022.

Over the last 35 years, he has carried out research and development in the area of geotechnical and infrastructure engineering, seismic microzonation and soil dynamics, Geotechnical earthquake engineering and has developed innovative technologies in the area of earth sciences, leading to about 500 technical papers, 20 books with Google scholar H-index of 47 and I-10 index 137 with more than 7175 citations. He has guided 40 Ph.D. students; 35 Masters Students, 25 postdoctoral students and several thousand industry professionals and teachers through continuing education workshops. He has filed for 5 patents, executed more than 120 consulting projects and 2 start-up companies to his credit. He was part of an 8-member expert panel set up to supervise Ram temple foundation-laying work for Sri Ram Janmabhoomi Teerth Kshetra at Ayodhya. He was the consultant for M/s AFCONS in the construction of the highest railway bridge across river Chenab and on many other important assignments.

He is the chief editor of International journal of Geotechnical Earthquake Engineering, (IJGEE), PA, USA since 2010. He is the Editor-in-chief, Springer Transactions in Civil and Environmental Engg series, Book Series, Singapore. He was the editorial board member of

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many international Journals of repute in his area of research like Geotechnique letters, ASCE Journal of Materials in Civil Engineering, EJGE, etc. He has delivered the prestigious Indian Geotechnical Society's annual lecture in IGC during December 2020. In 2015, he was a recipient of IGS Kuckleman Award for his life time contributions in Geotechnical Engineering. In 2014, he was a recipient of Prof. Gopal Ranjan research award from IIT Roorkee for his excellent contributions to Geotechnical Engineering in the country. IISc conferred Amulya and Vimala Reddy Lecture Award at Indian Institute of Science, Bangalore in the field of Sustainable Development for the year 2014 on Sitharam. Earlier, he was the recipient of Sir C.V. Raman State Award for Young Scientists, Government of Karnataka, in the year 2002 in recognition and appreciation of exceptional contributions to Engineering Sciences. He is the Fellow of ASCE, Fellow of ICE (UK), Diplomat of Geotechnical Engineering (D.Ge.) from Academy of Geo-Professionals, ASCE; Fellow of IGS, ISET, ISES and many other Societies. He is also a certified professional engineer and chartered engineer from Institution of Engineers.

As the Director of IIT Guwahati, he was responsible for creating 5 new schools and 4 new academic multidisciplinary centers at IITG during 2020-21 and has taken IITG as no 2 institute in citation per faculty in India (Rank 41 globally) in the recent QS world ranking 2022. IITG jumped 95 ranks from 2019 to 395th rank globally in 2022. In NIRF ranking, IITG Maintained its 7th rank in engineering under his leadership. He has also created new Industry Interaction and special Initiative (II&SI) cell at IITG and has attracted large number of companies and incubated large number of start-ups. He has lead the Research park and Technology Incubation Center at IITG effectively. He has also improved research environment at IIT Guwahati and also successful in getting additional philanthropic funds to start school of Data Sciences and Artificial Intelligence; and, School of Agro & Rural technologies. His plans for upgrading scientific infrastructure at IIT Guwahati are commendable. Or the first time, IITG took HEFA for procuring state of the art Scientific equipment's. Due to his collaboration with Govt of Assam he was able develop a strategic partnership with Govt of Assam in establishing a medical school and a commitment from Govt of Assam to start a state-of-the-art Multispecialty Hospital at IITG with partnership. He is the member of Board of Governors of many NIT's; IEST, NCSM, AICTE, NESAC, etc. He is the Chairman of executive committee of Visvesvaraya Industrial and Technological Museum (VITM), Bangalore. He was the past Chairman of AICTE South Western Regional Committee, Bangalore and presently Chairman of Eastern zonal committee of AICTE at Kolkata. He was selection committee member for selection of many directors and VC's of national institutions and CFTI including institutions like CSIR-SERC, DRDO, ISRO, SPA, etc and member of selection committee to select many professor's recruitments at IIT's and NIT's. He has reviewed performances of many organizations like NECTAR, CSIR-CBRI, etc. He was instrumental in starting a Center for infrastructure, sustainable transport and urban planning and Master's programme in the center at Indian Institute of Science, Bangalore. He was also holding a Chair professorship in the area of energy and mechanical Sciences at Indian Institute of Science, Bangalore. He is an active member Presidents' Forum of Southeast and South Asia and Taiwan Universities (SATU Presidents' Forum), Member of many scientific committees in International Societies of repute and many other Associations and Universities in India & abroad. He has delivered many talks on implementation of National Education Policy across universities and institutions in India.