

### **Short Bio of Prof. Subhasish Dey**

Subhasish Dey is a hydraulician and educator. He is known for his research on the hydrodynamics throughout the world and acclaimed for his contributions to develop theories and solution methodologies of various problems on applied hydrodynamics, turbulence, and sediment transport. He was conferred with the Hans Albert Einstein Award from the American Society of Civil Engineers (ASCE) in 2022.

He is currently a Distinguished Professor and Head of the Department of Civil and Infrastructure Engineering, Indian Institute of Technology (IIT) Jodhpur (2023–). Before, he worked as a Professor of the Department of Civil Engineering, Indian Institute of Technology (IIT) Kharagpur (1998–2023), where he served as the Head of the Department of Civil Engineering during 2013–15.

He also held the position of Distinguished Visiting Professor of Tsinghua University, Tsinghua University, Beijing, China (2016–18), Adjunct Professor of Indian Statistical Institute Kolkata (2014–19) and Brahmaputra Chair Professor, IIT Kharagpur during 2009–14 and 2015.

He has offered courses on turbulent flow and sediment transport in different universities, such as the University of Hong Kong, Università di Pisa, Università della Calabria, Politecnico di Milano, University of Florence, University of Oulu, Instituto Superior Tecnico Lisbon, National Chung Hsing University etc.

Presently, he is engaged in studying turbulence characteristics over smooth and rough boundaries and other turbulence related problems. His general areas of research interests encompass analytical hydrodynamics, submerged jet flows, offset jet flows, sediment transport, scour, free surface flow, coherent motion in turbulent flow, turbulent boundary-layer and time-space averaging flow characteristics over macro-rough walls, etc. He is an author of a textbook titled *Fluvial Hydrodynamics* published by Springer, Germany, in 2014. He has published 230 research papers in refereed journals.

He is an associate editor of the Proceedings A of the Royal Society of London: Mathematical, Physical and Engineering Sciences, Journal of Geophysical Research – Earth Surface (AGU), Journal of Hydraulic Engineering (ASCE), Journal of Hydraulic Research (IAHR), Sedimentology, Acta Geophysica, Journal of Hydro-Environment Research, Environmental Fluid Mechanics, and International Journal of Sediment Research.

He is a Vice-President of the Council of the World Association for Sedimentation and Erosion Research (WASER), Beijing (2019–22; 2022–25). He is also a council member of IAHR (2015–19), member of IAHR Fluvial Hydraulics Committee (2014–), a past-council member of the WASER, Beijing (2010–13) and a Foreign Expert in China (2016–18). He is also engaged as a Technical Sediment Expert of Government of India (2023–).

He is a fellow of the Indian National Science Academy (FNA), Indian Academy of Sciences (FASc), the National Academy of Sciences India (FNASc), Indian National Academy of Engineering (FNAE) and International Association for Hydro-Environment Engineering and Research (FIAHR). He has received the JC Bose Fellowship award in 2018.