

About the Editors



Dr. Ranjan Kumar is currently Head of the Department and Associate Professor in the Department of Mechanical Engineering at Swami Vivekananda University, Kolkata. Dr. Kumar received his Master's and Doctoral degrees in Mechanical Engineering from the Indian Institute of Technology Dhanbad. His research interests include Li-ion batteries, finite element simulation and analysis of real engineering problems, and vibration analysis of structures. He has executed projects in association with the Gas Turbine Research Establishment (GTRE), DRDO lab Bangalore. He has guided 02 PhD Thesis and 32 post graduate dissertation. Dr. Kumar has authored 23 books, published 51 research papers, and holds 25 patents. He also serves as editor-in-chief of Journal of Mechanical Engineering Advancements.



Dr. Arnab Das is currently Assistant Professor in the Department of Mechanical Engineering at Swami Vivekananda University, Kolkata. Dr. Das has achieved his Ph.D. in Mechanical Engineering from Indian Institute of Technology (ISM) Dhanbad in 2023. His research interests include advanced manufacturing processes, micromachining, composite materials, and battery energy storage system. Dr. Das has published several journal articles extensively on topics such as micromachining, ultra-precision machining, advanced manufacturing with multiple Patents in various fields.



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