

About The Authors



Maneesh Dubey received his PhD from Maulana Azad National Institute of Technology, Bhopal. His research interest includes exergy analysis, thermodynamic and thermo-economic optimization of energy systems. His publications include 30 papers in international journals and conferences of high repute and one book entitled *Coupled Power-Refrigeration Cycles: An Innovative Approach*. He has 30 years of teaching experience of core subjects of Mechanical Engineering at undergraduate and postgraduate levels. He is a member of ASME and ISHRAE. He has accomplished several administrative assignments including Head of the Department, Principal and Deputy Director. Presently, he is Project Advisor for a DRDO Project in the Department of Mechanical Engineering, IIT Madras, Chennai.



BVSSS Prasad received his PhD from Indian Institute of Technology Kharagpur in 1986. He has worked as a Lecturer and Assistant Professor at IIT Kharagpur, prior to joining IIT Madras as an Associate Professor in 1995. He was a visiting research scientist and visiting professor at the University of Michigan, Dearborn, USA and Technical University of Nova Scotia, Halifax, Canada, respectively, during 1991–93. He was on brief visits to Chalmers University, Gotenberg, Sweden for SIDA project during 2004–2005 as visiting research scientist. Presently, he is a Professor at IITM and held the position of the Head of the Department at IITM from 2014–2017.

His research interest includes fluid flow and heat transfer pertaining to turbomachinery, CFD, fluidized bed technology and heat flux measurements. He mainly works on gas turbine blade cooling. He holds a patent on heat flux measurement. He has edited eight conference proceedings published by McGraw Hill Education and Swedish Research Council. He has guided 17 PhDs, 23 Masters by Research and more than 50 M. Tech students, and undertaken about 100 sponsored and consultancy projects. He has published more than 160 papers in various peer reviewed journals and conference proceedings. He is a life member of several professional societies and currently the Vice President, FMFP and President, FPSI (Madras Chapter). He has accomplished several administrative assignments including Chairman, GATE.



Archana Nema received her PhD in Mechanical Engineering from MANIT, Bhopal. She has published more than 30 papers in reputed journals and presented research work at many international and national conferences. She has guided more than 15 M. Tech theses. A member of ASME & IIIE, she has been serving the educational fraternity for the last 18 years, post two years of industry experience. She is currently a Professor (Mechanical Engineering) in Bhopal.