

About the Editors



Shri R. I. Bakhtsingh is presently designated as Head, Accelerator & Pulse Power Division, BTDG, BARC. He received the M.E. degree in Electronics & Communications Engineering from College of Engineering, Guindy, Anna University, Chennai in 1994 and joined Bhabha Atomic Research Centre, Mumbai. He played a key role in the design and development of HF and HV voltage sources for electron accelerators for industrial applications. He is involved in the in development of pulsed power systems, Electron Beams for thermal and non-thermal applications. His research interests are pulsed power accelerators, RF Linacs, EMI/EMC, X-ray sources for cargo scanning applications. He has authored about 50 papers in National/International journals and conferences to his credit.



Dr. Archana Sharma, FNAE, FIET, FIE, Outstanding Scientist, is presently designated as Director; Beam Technology Development Group, BARC. She received the B.E. degree in electrical engineering from Regional Engineering College, Bhopal, India, in 1987 and joined Bhabha Atomic Research Centre (BARC), Mumbai, India, as a Scientific Officer. Subsequently she completed her M.Sc. (Eng.) and Ph.D. degrees from the Indian Institute of Science (IISc), Bangalore. She is a recognized Ph.D. guide of HBNI and Mumbai University. Her specialization is in the design and development of multi gigawatt pulsed electron beam generators based on Marx generators and linear induction accelerators. Her research interests also include high-power microwave (HPM), Flash X-ray (FXR), and industrial electron beam accelerators. She has more than 100 scientific publications/presentations in international/national journals/conferences. Dr. Sharma has received the coveted DAE Homi Bhabha Science and Technology Award and other prestigious awards for her outstanding contributions in the field of Pulsed Power technology, Electron Beam Accelerators and Plasma Technologies.