

About the Editors



Shri M. L. Mascarenhas joined Laser and Plasma Technology Division (L&PTD) in 1990 from the 33rd batch of BARC Training School. Presently, he is an Outstanding Scientist and also head of L&PTD. His research interests include high voltage power supplies and electron beam systems. Currently, he is mentoring laser and plasma based activities in Beam Technology Development group.



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.