



Dr. Sadhna Singh

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Dr. Sadhna Singh obtained her Ph. D. degree in 1990 from Barkatullah University on her work “Study of Mechanical and dynamical Behavior of Compound Semiconductors”. She has been awarded Junior Research Fellowship (M.P.C.S.T., Bhopal), Senior Research Fellowship (C.S.I.R. New Delhi) and Research Associate ship (UGC New Delhi). She also worked at Post Doctoral research level at Indian Institute of Technology, New Delhi from 1994 to 2003 as Research Associate (UGC, New Delhi), Principal Investigator in prestigious Young Scientist project (D.S.T., New Delhi) and Pool Scientist (C.S.I.R. New Delhi). During this period, she worked in collaboration with National Physical Laboratory, New Delhi and Bhabha Atomic Research Centre, Mumbai. She is a recipient of M. P. Young Scientist Award in Physics in 1990 jointly given by M. P. Council of Science and Technology, Bhopal and Department of Science and Technology, New Delhi.

Dr. Singh joined Centre for Basic Sciences and IT, M. P. Bhoj (Open) University, Bhopal in 2003 as Assistant Director (Basic Sciences). She was Head of basic sciences Department Incharge Research Cell and Coordinator South Asia Foundation scholarship. From 2005 to 2007 she worked there as Deputy Director (IT and Basic Sciences). She was involved in Preparation of self Instructional Material for Basic Sciences at Master level. She has developed Interactive Multimedia CDs on course material in Physics for the purpose of classes in 40 centers through EDUSAT (educational satellite by ISRO). She was the member of Board of Management, Academic Council, Research Council and Board of Studies. In addition, she has edited three books of M. Sc. Physics (Mathematical Physics, Classical Electrodynamics and Solid State Electronics). Dr. Singh joined Physics Department, Barkatullah University, Bhopal as a Reader in 2007. She is the coordinator of M.Phil course and Faculty coordinator (Physical Sciences) for Coaching of UGC New Delhi for (Remedial, PSC, NET/SET, Civil Services). Her research areas of interest are mainly High Pressure Phase Transitions and related behavior of solid state transitions. She worked on compound

semiconductors, amorphous compounds, alkali metal compounds, transition compounds, refractory, novel and super hard materials. She has published and presented more than 100 papers in international reputed journals and National/International conferences/ symposia and visited many countries –Singapore (ICMAT, 2003), Australia (Brisbane, 1994), Mauritius (Mauritius University, 2006), Japan (Tokyo), USA, Hongkong etc. She is guiding several students of Ph. D., M. Phil. and M.Tech.

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