



Dr. Sukhvir Singh

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Dr. Sukhvir Singh is Ph.D in physics from Jamia Millia Islamia, New Delhi, India. He served as a Sr. Principal Scientist & Head of Electron and Ion Microscopy group at CSIR-National Physical Laboratory, New Delhi. He was also a Faculty Member (Professor) in Academy of Scientific and Innovative Research (ACSIR) at National Physical Laboratory, New Delhi. Synthesis and characterization of bulk and nano structured thin films, nanocomposites of compound semiconductors and investigation of their structural, optical, electronics and electrical properties in order to ascertain their application for various sensors and device applications are main areas of his research. Synthesis and characterization of thermoelectric materials and their composites with CNTs, Graphene in order to enhance their figure of merit for use in thermoelectric devices is another area of his current research. Dr. Singh has designed and developed high accuracy equipment's to measure the thermal properties of metal, semiconductors and insulators that served Indian industries for the upliftment of the quality of their products. In addition, testing and calibration of all types temperature measuring equipments and maintenance of National Standards in the country at par with the international standards for temperature measurements. He has established a Centre for Nano Scale Science at CSIR-National Physical Laboratory, New Delhi where highly sophisticated and state of the art advance equipments such as HRTEM, SEM/EDS, AFM, TOF-SIMS, PL spectrometer and highly sophisticated specimen preparation tools are installed and serving to the nation in various areas of the current research . He has also played a major role in the establishment of Nano Science centre at the faculty of Natural Sciences Jamia Millia New Delhi. Very recently he has also established a state of the art chemical lab for chemical, physical and bio medical applications at CSIR-National Physical Laboratory, New Delhi. He has published more than 125 research papers in SCI journals of high repute and supervised Ph.D, M.Tech and M.Sc Students for their thesis in various discipline of science. Visited Japan, Taiwan, Neitherland, Brasil, Denmark and USA in different bilateral scientific programs of government of India.