



Prof. M. S. Gaur

**Professor, Head Department of Physics,
Dean R&D**

Dr. M. S. Gaur is currently working as a Professor, Head Department of Physics, Dean R&D, in Hindustan College of Science and Technology, Farah (Mathura) U P India, affiliated to A. P. J. K. Technical University, Lucknow (U P). Dr. Gaur received his M. Sc. (Physics, 1990), M. Phil. (Physics, 1991) and Ph. D. in 1995 from Rani Durgavati University Jabalpur (M. P.) Dr. Gaur has developed the well equipped research laboratory in his institute. At present, he is responsible of doctoral program in Physics of nanostructured and Advanced Materials. He has chaired the 5 conferences and delivered many invited talk in India and abroad. He has published 75 research papers in reputed international journals and presented the research papers in more than 100 National and International conferences. He has received “Bharat Shiksha Ratan Award”, presented by Global Society of Health and Education, New Delhi for the year 2004. He is having visiting professorship of Francisk Skorina Gomel State University, Gomel (Belarus). He is having joint research collaboration with Russia, Belarus, Poland, Japan, France and USA. He has guided 10 Ph. D. in the area of nanomaterials and applications. Currently six students are persuing Ph. D. under his guidance. His research is focused on synthesis of nanomaterial, preparation of polymer, hybrid nanocomposites thin film and structural characterization by SEM, TEM, XRD, AFM, FTIR and Raman techniques. Study of charge storage and transport processes in electro-active polymers/ nanocomposites by dielectric, pyroelectric, piezoelectric, ferroelectric, thermally stimulated current techniques is the another area of research. Presently the principal objective of his research is to understand the role of nanomaterials for development of biosensor for detection of environmental hazards. He focus on colorimetric, amperometric, chemiluminescence biosensor by applying suitable nanoparticles to reduce the detection limit. The electrochemical behavior of hybrid electrodes could be studied by cyclic voltammetry (CV) and galvanostatic charging/discharging measurement techniques. He has completed 10 sponsored projects from Government agencies. Currently he is having two

International projects with collaboration of Russia and Belarus. He is reviewer of more than 20 international peer reviewed Journals and member of research committees in India and in abroad. He is **President of Nano and Molecular Society (India) (www.nmsindia.net)**.