

## **SHORT AUTOBIOGRAPHY: Dr. Prashant K. Deshmukh**

Dr. Prashant K. Deshmukh is working as an Asso. Prof. & head, Department of pharmaceuticals at HRPIPER, Shirpur. He is coordinator of Industry Institute partnership cell funded by AICTE, New Delhi and he has developed state of the art R & D unit and 'Nanotech' Lab. Currently, he is working on different aspects of targeted drug delivery carrier and nanoparticles/nanocomposite synthesis. His area of research includes synthesis of polymeric/inorganic nanoparticles, scaffold for tissue engineering applications, wound healing applications, Nanoarchitectonics, Quality by design approach for synthesis of nanomaterials, to name a few. He has also worked on drug delivery devices such as Pulsin cap, bioadhesive, gastro retentive systems, and ophthalmic formulations. He has filed 2 patents and published 57 research articles in various journals of repute. His recent area of research is synthesis of graphene oxide/magnetite nanocomposite for cancer theranostic. To his credit 2 book chapters is published with Encyclopedia of Biomedical Polymers and Polymeric Biomaterials published by Taylor & Francis, CRC Group Publishers and Nanobiosensors for Biomolecular Targeting published by Elsevier Publishers. He has executed various research projects worth Rs. 82 Lakh sponsored by DST Nanomission, AICTE, and ICMR for tumor theranostics, brain targeted delivery and label free prognosis of Alzheimer's disease respectively. He has successfully organized two national level seminars in year 2014-15 and 2015-16 entitled Innovative concept and methodologies in pharmaceutical research and worked as a coordinator for INSPIRE internship camp sponsored by DST. He is a editorial board member of Austin Journals of Biosensors and Bioelectronic, Nanomedicine and Nanotechnology etc. and reviewers for many scientific journals of repute. He has guided 27 M. Pharm. students and presently guiding 03 M. Pharm. and 01 Ph. D. scholar for major dissertation. He has delivered two invited lectures on nanotechnology in AICTE sponsored faculty development programmes in affiliated colleges of Shivaji University Kolhapur. He has delivered four invited lectures in two national and two state level seminars. He worked in collaboration with Department of biotechnology, school of life sciences, NMU, Jalgaon and filed a patent to IPO, India. He consecutively won Troikaa Pharmaceuticals Ltd. and Department of Science and Technology sponsored Rajnibhai V. Patel Best research guide award for National level competition Pharminnova, for the year 2013-14, 2014-15 and 2015-16 and Best teacher award (Affiliated colleges) conferred by North Maharashtra University, Jalgaon. Recently his PG research team awarded by Biotechnology Industry Research Assistance Council (BIRAC)-SRISTI Appreciation award worth Rs. 1 Lac for the research investigation entitled 'Fabrication of novel gelatin hybrid micro sponge (SiFroGel): A socioeconomic product for complete wound management'.