



Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Abhijeet	Last Name	Mishra	Photograph 
Designation	Assistant Professor					
Address	17 A, MIG Flats Century Apartment NOIDA, UP Pin-201304					
Office Phone No.						
Residence						
Mobile	+91-9911744710					
Email	abhijeetjmi@gmail.com , abhijeetmishra@shivaji.du.ac.in					
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Educational Qualifications	Ph.D.					
Degree	University/Institute			Year		
Ph.D.	Jamia Millia Islamia, New Delhi			2015		
M.Phil./M.Tech.	-----					
PG	Jamia Millia Islamia, New Delhi			2008		
UG	Tilkamanjhi Bhagalpur University, Bhagalpur			2006		
Any Other Qualification						
Career Profile						
I worked as Asst Prof (Ad-hoc) Department of Biomedical Sciences, Acharya Narendra Dev College, University of Delhi, New Delhi. I did postdoc from School of Life Sciences, Jawaharlal Nehru University, New Delhi.						
Administrative Assignments						

Areas of Interest/Specialisation
Biochemistry, Nanobiotechnology, Cancer Biology, Drug Delivery, Green Chemistry,
Subjects Taught
Biochemistry, Biochemical Techniques, Immunology, Recombinant DNA Technology
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (Research Papers/Books)
<ol style="list-style-type: none">1) Ravi R. and Mishra Abhijeet, Preparation of Bimetallic and Trimetallic Nanomaterials and their Role in Waste Water Treatment: A Review, <i>Biosc. Biotech. Res. Comm.</i> 13 (3) 2020, 1566-1575.2) Singh, S. P.; Mishra Abhijeet; Shyanti, R. K.; Singh, R. P.; Acharya, A. Silver Nanoparticles Synthesized Using Carica papaya Leaf Extract (AgNPs-PLE) Causes Cell Cycle Arrest and Apoptosis in Human Prostate (DU145) <i>Cancer Cells. Biological trace element research</i> 2020, 1-16.3) Rajput Mohit; Kujur Praveen Kumar; Mishra Abhijeet; Singh Rana P; Flavonoids inhibit chronically exposed arsenic- induced proliferation and malignant transformation of HaCaT cells. <i>Photodermatology, Photoimmunology and Photomedicine</i> 34 91-101(2018).4) Mishra, Abhijeet; Ahmad, Razi; Perwez, Mohammed; Sardar, Meryam; Reusable Green Synthesized Biomimetic Magnetic Nanoparticles for Glucose and H₂O₂ Detection. <i>BioNanoScience.</i> 6 93–102, (2016).

- 5) **Mishra, Abhijeet**; Sardar, Meryam; Cellulase assisted synthesis of nano silver and gold: Application as immobilization matrix for biocatalysis. *International Journal of Biological Macromolecules*. 77 105-113, (2015).
- 6) **Mishra, Abhijeet**; Singh, Poonam; Sardar, Meryam; Peroxidase assisted biosynthesis of silver and gold nanoparticles: Characterization and computational study. *Advanced Materials Letters*. 6(3) 194-200, (2015).
- 7) Khatoon, Nafeesa; **Mishra, Abhijeet**; Alam, Hammad; Manzoor, Nikhat; Sardar, Meryam; Biosynthesis, Characterization, and Antifungal Activity of the Silver Nanoparticles Against Pathogenic Candida species. *BioNanoScience*. 5(2) 65-74, (2015).
- 8) **Mishra, Abhijeet**; Ahmad, Razi; Sardar, Meryam; Biosynthesized iron oxide nanoparticles mimicking peroxidase activity: application for biocatalysis and biosensing. *Journal of Nanoengineering and Nanomanufacturing*, 5(1) 37-42, (2015).
- 9) Ahmad, Razi; **Mishra, Abhijeet**; Sardar, Meryam; Simultaneous Immobilization and Refolding of Heat Treated Enzymes on TiO₂ Nanoparticles. *Advanced Science, Engineering and Medicine*, 6(12) 1264-1268,(2014).
- 10) **Mishra, Abhijeet** and Sardar, Meryam; Alpha Amylase Mediated Synthesis of Gold Nanoparticles and Their Application in the Reduction of Nitroaromatic Pollutants. *Energy and Environment Focus*, 3(2) 179-184, (2014).
- 11) Pandey, Chandana; Khan, Ehasanullah; **Mishra, Abhijeet**; Sardar, Meryam, Gupta, Meetu; Silver Nanoparticles and Its Effect on Seed Germination and Physiology in *Brassica juncea* L. (Indian Mustard) Plant. *Advanced Science Letters*, 20, 1673–1676, (2014).
- 12) **Mishra, Abhijeet**; Ahmad, Razi; Singh, Veena; Gupta, Munishwar Nath; Sardar, Meryam; Preparation, Characterization and Biocatalytic Activity of a Nanoconjugate of Alpha Amylase and Silver Nanoparticles. *Journal of Nanoscience and Nanotechnology*, 13 (7) 5028-5033, (2013).
- 13) **Mishra, Abhijeet**; Kaushik, Naveen Kumar; Sardar, Meryam; Sahal, Dinkar; Evaluation of antiplasmodial activity of green synthesized silver nanoparticles. *Colloids and Surfaces B: Biointerfaces*, 111, 713-718, (2013).
- 14) **Mishra, Abhijeet** and Sardar, Meryam; Rapid Biosynthesis of Silver Nanoparticles Using Sugarcane Bagasse-An Industrial Waste. *Journal of Nanoengineering and Nanomanufacturing*, 3(3) 217-219, (2013).
- 15) Ahmad, Razi; **Mishra, Abhijeet**; Sardar, Meryam; Peroxidase-TiO₂ Nanobioconjugates for the Removal of Phenols and Dyes from Aqueous Solutions. *Advanced Science, Engineering and Medicine*, 5(10) 1020-1025, (2013).
- 16) **Mishra, Abhijeet**; Mehdi, S Jafar; Irshad, Md; Ali, Asgar; Sardar, Meryam; Moshahid, M; Rizvi, A; Effect of biologically synthesized silver nanoparticles on human cancer cells. *Science of Advanced Materials*, 4(12) 1200-1206, (2012).
- 17) **Mishra, Abhijeet**; Sardar, Meryam; Alpha-amylase mediated synthesis of silver nanoparticles. *Science of Advanced Materials*, 4(1) 143-146, (2012).

Conference/Seminar/Faculty Development Programme/Workshop

1. **Mishra Abhijeet** and Singh RP, Cosmeceutical uses of herbs in sunscreens, Sunscreen: Source, Formulations, Efficacy and Recommendations (2018) Nova Science Publishers, USA. (ISBN: 978-1-53613-295-3), 297-308.
2. Ghosal Anujit, Tiwari Shivani, **Mishra Abhijeet**, Vashist Arti, Rawat Neha Kanwar, Ahmad Sharif, Bhattacharya Jaydeep (2017) Design and Engineering of Nanogels. Nanogels for Biomedical Applications, Royal Society of Chemistry, Cambridge, CB4 0WF, UK. (ISBN: 978-1-78262-862-0) 9-24.
3. **Mishra Abhijeet**, Ghosal Anujit (2017) Synthesis and Applications of Biopolymeric Nanoparticles. Biopolymers and Nanocomposites for Biomedical and Pharmaceutical Applications. Nova Science Publishers, USA. (ISBN: 978-1-53610-635-0) 51-61.
4. Ghosal Anujit, **Mishra Abhijeet**, Tiwari Shivani (2017) Polymers and Nanocomposites for Biomedical Applications. Biopolymers and Nanocomposites for Biomedical and Pharmaceutical Applications. Nova Science Publishers, USA. (ISBN: 978-1-53610-635-0), 1-15.
5. **Abhijeet Mishra** and Meryam Sardar (2015) Isolation of genomic DNA by silane modified iron oxide magnetic nanoparticles. Nanotechnology: Novel Perspectives and Prospects. McGraw-Hill education, India. (ISBN: 9789339221096), 309-315.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

Awards and Distinctions

- Received DSK Kothari Postdoctoral fellowship
- IInd prize in poster competition at University of Delhi in International Conference on Electron Microscopy and XXXV Annual Meeting of the Electron Microscope Society of India, during July 9 – 11, 2014 was jointly organized by University of Delhi, Delhi, India and Electron microscope society of India.
- Qualified Indian Council of Medical Research (I.C.M.R)-Junior Research fellowship (2009).
- Qualified Council of Scientific and Industrial Research (C.S.I.R) – National Eligibility Test (CSIR-NET) June and Dec-2009 (NET) in Life Science. (June and December, 2009).
- Qualified Agricultural Research Service-National Eligibility Test (ARS-NET) in Plant Biochemistry (2009).

Memberships

- Society of Biological Chemist (SBC)

Other Academic Activities

Cultural/Extracurricular Activities



Signature of Faculty Member