

Department of Biotechnology & Genetics

Faculty Name: Dr. Suphiya Parveen

Specialization: Biotechnology, Nanotechnology

Education

- PhD (Biotechnology)

Work Experience

- Research associate, Indian Association for the Cultivation of Science (IACS), Jadavpur, Kolkata
- Teaching experience 6 years
- Research Experience 6 years

Key Areas of Research interest

- Nanoparticles and drug delivery
- Drug drug interactions
- Targeted drug delivery

Publications

- Basir Ahmed, **Suphiya Parveen** and Rizwan Hasan Khan. Effect of albumin conformation on the binding of ciprofloxacin to human serum albumin: a novel approach directly assigning binding site. *Biomacromolecules*, 7(4): 1350-6, 2006. Impact Factor: 6.98
- **Suphiya Parveen** and Sanjeeb K Sahoo. Nanomedicine: Clinical applications of Polyethylene Glycol Conjugated Proteins and Drugs. Review. *Clin. Pharmacokinet.* 45(10):965-88, 2006. Impact factor: 6.44
- **Suphiya Parveen**, S Krishnakumar and Sanjeeb K Sahoo. New Era in Health Care: Tissue Engineering. Review *Journal of Stem Cells and Regenerative Medicine*, 1(1): 8-24, 2006. Impact factor: IC value 122.96, Cite score 3.7
- Sanjeeb K Sahoo, **Suphiya Parveen** and Jiban Jyoti Panda. The present and future of nanotechnology in human health care. Review. *Nanomedicine: Nanotechnology, Biology and Medicine*, 3(1):20-31, 2007. Impact factor: 6.45
- **Suphiya Parveen** and Sanjeeb K Sahoo. Polymeric Nanoparticles for cancer therapy. Review. *Journal of Drug Targeting*, 16(2):108-23, 2008. Impact factor: 5.12



- **Suphiya Parveen** and Sanjeeb K Sahoo. Evaluation of cytotoxicity and mechanism of apoptosis of doxorubicin using folate decorated chitosan nanoparticles for targeted delivery to retinoblastoma. *Cancer Nanotechnology*, 1: 47-62, 2010. Two year impact factor: 5.09
- **Suphiya Parveen** and Sanjeeb K Sahoo. Long circulating chitosan/PEG blended PLGA nanoparticles for tumor drug delivery, *European Journal of Pharmacology*, 670 (2-3): 372-383, 2011. Impact factor: 4.43
- **Suphiya Parveen**, Ranjita Misra and Sanjeeb K Sahoo. Nanoparticles: A Boon to Drug Delivery, Therapeutics, Diagnostics and Imaging. Review. *Nanomedicine: Nanotechnology, Biology and Medicine*, 8(2):147-166, 2012. Impact factor: 6.45
- Jayashree C Patel and **Suphiya Parveen**. In Vitro and In Vivo Analysis of Fentanyl and Fentanyl Metabolites using Hyphenated Chromatographic Techniques: A Review. *Chemical Research in Toxicology*. 35(1): 30-42, 2022. doi.org/10.1021/acs.chemrestox.1c00225. Impact factor: 3.73

BOOK Chapters:

- Sanjeeb K Sahoo, **Suphiya Parveen** and Jiban Jyoti Panda. The present and future of nanotechnology in human health care: *Nanomedicine in Cancer*, Lajos P. Balogh (Ed.) Pan Stanford publishing, Taylor and Francis group, ISBN: 978-981-4745-80-2, pp 47-84 , 2017
- **Suphiya Parveen**, Ranjita Misra and Sanjeeb K Sahoo. Nanoparticles: A Boon to Drug Delivery, Therapeutics, Diagnostics and Imaging: *Nanomedicine in Cancer*, Lajos P. Balogh (Ed.) Pan Stanford publishing, Taylor and Francis group, ISBN: 978-981-4745-80-2, pp 775-797, 2017

PhD Guidance:

Ongoing: One

Projects (External funded/Internal):

Internal: Minor Research Project funded by JAIN (Deemed-to-be University)