

## SVKM's NMIMS

### Sunandan Divatia School of Science

#### RESEARCH: PUBLICATIONS

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##### PUBLICATIONS

###### 2016-17

1. Apraj VD, Pandita NS. Evaluation of skin anti-aging potential of citrus reticulata blanco peel. *Pharmacognosy Research*. 2016. 8(3): 160-168.
2. Chandra S, Gabler C, Schliebe C, Bahadur D. Fabrication of a label-free electrochemical immunosensor using a redox active ferrocenyl dendrimer. *New Journal of Chemistry*. 2016. 40: 9046-9053.
3. Chitrangi S, Nair P, Khanna A. 3D engineered In vitro hepatospheroids for studying drug toxicity and metabolism. *Toxicology in Vitro*. 2016. 38: 8-18.
4. Deval AS, Parikh HA, Kadier A, Chandrasekhar K, Bhagwat AM, Dikshit AK. Sequential microbial activities mediated bioelectricity production from distillery wastewater using bio-electrochemical system with simultaneous waste remediation. *International Journal of Hydrogen Energy*. 2017. 42: 1130-1141.
5. Dutta S, Khanna A. Aglycone rich extracts of phytoestrogens cause ROS-mediated DNA damage in breast carcinoma cells. *Biomedicine and Pharmacotherapy*. 2016. 84:1513-1523.
6. Gupta M, Chandra S. Biomagnetic interaction of functionalized iron oxide nanoparticles with bovine serum. *Biomedical Research Journal*. 2016. 3(2): 229-240.
7. Jadhav V, Sachar S., Chandra S, Bahadur D, Bhatt P. Synthesis and characterization of arsenic trioxide nanoparticles and their in vitro cytotoxicity studies on mouse fibroblast and prostate cancer cell lines. *Journal of Nanoscience and Nanotechnology*. 2016. 16(7): 7599-7605.
8. Joseph D, Rodriguez R, Chandra S. Electrochemistry and surface enhanced Raman spectroscopy of CTAB modulated interactions of magnetic nanoparticles with biomolecules. *RSC Advances*. 2017. 7: 3628-3634.
9. Laheri SA, Modi D, Bhatt P. Extra-oviductal expression of oviductal glycoprotein 1 in the mouse: detection in testis, epididymis and ovary. *Journal of Biosciences*. 2017. In Press.

10. Malhotra S, Welling MN, Mantri SB, Desai K. In vitro and in vivo anti-oxidant, cytotoxic and anti-chronic inflammatory arthritic effect of selenium nanoparticles. *Journal of Biomedical Materials Research: Part B - Applied Biomaterials*. 2016. 104(5): 993-1003.
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12. Mudliar NH, Pettiwala AM, Awasthi AA, Singh PK. On the Molecular Form of Amyloid Marker, Auramine O, in Human Insulin Fibrils. *Journal of Physical Chemistry B*. 2016. 120(49): 12474-12485.
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14. Multani S, Saranath D. Genotypic distribution of single nucleotide polymorphisms in oral cancer: Global Scene. *Tumor Biology*. 2016. (In Press).
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16. Paneysar J, Barton S, Chandra S, Coutinho E. Novel thermoresponsive assemblies of co-grafted natural and synthetic polymers for water purification. *Water Science and Technology*. 2017. In Press
17. Park SH, Singh H, Appukuttan D, Jeong S, Choi YJ, Jung JH, Narumi I, Lim S. PprM, a cold shock domain-containing protein from *Deinococcus radiodurans*, confers oxidative stress tolerance to *Escherichia coli*. *Frontiers in Microbiology*. 2016. 7: 2124.
18. Pathan SA, Pandita NS. Nanoporous carbon synthesized from grass for removal and recovery of hexavalent chromium. *Carbon Letters*. 2016. 20(1): 10-18.
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20. Pillai D, Pandita N. Determination of quality standards for Draksharishta, a polyherbal ayurvedic formulation. *Indian Journal of Pharmaceutical Sciences*. 2016. 78(1): 129-135.
21. Raut A, Khanna A. High-throughput sequencing to identify microRNA signatures during hepatic differentiation of human umbilical cord Wharton's jelly-derived mesenchymal stem cells. *Hepatology Research*. 2016. doi: 10.1111/hepr.12820.
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## **2015-16**

1. Biswas S, Pandita N. Phytochemical analysis and chromatographic evaluation of alcoholic extract of *Dillenia indica* Linn. leaves. *International Journal of Pharmaceutical Sciences and Research*. 2015. 2799-2812.
2. Chhabria SV, Akbarsha MA, Li AP, Kharkar PS, Desai KB. In situ allicin generation using targeted alliinase delivery for inhibition of MIA PaCa-2 cells via epigenetic changes, oxidative stress and cyclin-dependent kinase inhibitor (CDKI) expression. *Apoptosis*. 2015; 20(10): 1388-1409.
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9. Deshpande K, Pillai M, Joshi V, Mohanraj K. Study of enantiomeric separation of cetirizine by reversed phase HPLC using sulfated beta cyclodextrin as chiral mobile phase additive.

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10. Jadhav V, Ray P, Sachdeva G, Bhatt P. Biocompatible arsenic trioxide nanoparticles induce cell cycle arrest by p21WAF1/CIP1 expression via epigenetic remodeling in LNCaP and PC3 cell lines. *Life Sciences*. 2016. 148: 41–52.
11. Joseph D, Sachar S, Kishore N, Chandra S. Mechanistic insights into the interactions of magnetic nanoparticles with bovine serum albumin in presence of surfactants. *Colloids and Surfaces B: Biointerfaces*. 2015. 135: 596-603.
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28. Varghese A, Savai J, Mistry S, Khandare P, Barve K, Pandita N, Gaud R. In vitro CYP2D inhibitory effect and influence on pharmacokinetics and pharmacodynamic parameters of metoprolol succinate by *Terminalia arjuna* in rats. *Drug Metabolism Letters*. 2016. 10(2): 124-135.
29. Vyavaharkar R, Mangaonkar SS. Determination of antioxidant potential of *Buchanania lanzan* Spreng. (Chironji) seed extracts. *Pharmanest – An International Journal of Advances in Pharmaceutical Sciences*. 2015. 6(4): 2964-2967.
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#### **2014-15**

1. Agrawal V, Bhagwat AM, Sawant CS. Sesame oil incorporated medium for isolation and enumeration of lipophilic yeasts. *International Journal of Pharmaceutical Sciences and Research*. 2014. 5(7): 2971-2979.
2. Bhanushali AA, Patra PK, Pradhan S, Khanka SS, Singh S, Das BR. Genetics of fetal hemoglobin in tribal Indian patients with sickle cell anemia. *Translational Research* 2015. 165(6):696-703.
3. Biswas S, Pandita N. Evaluation of phytochemical constituents and chromatographic screening of alcoholic extract of *Bombax ceiba* Linn. *Pharmanest Journal*. 2015. 6: 2797-2806.

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## 2013-14

1. Agrawal V, Bhagwat AM, Vishalakshi V, Gode V, Sawant CS. Exploring the potential of chromogenic medium for the identification of medically important yeast species other than *Candida*. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2014. 6(3): 291-294.
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### **2012-13**

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