



**(1). Prof. Shubhini A Saraf**  
**Professor & Head**

Department of Pharmaceutical Sciences

**Qualification:** M.Pharm., Ph.D.

**Teaching Experience:** 23 Years **Research Experience:** concurrent with teaching  
:9415488410

**shubhini.saraf@gmail.com**

**Positions held in current organization**

- 1) Head, Department of Pharmaceutical Sciences 2011-14, 2014-17, 2017 onwards
- 2) Dean (SBBT) 2011-13, 2016-17
- 3) I/C Head, Department of Biotechnology, 2016-17
- 4) I/C Head, Department of Plant Sciences, 2012-13
- 5) Director, EMMRC, BBAU, Aug 2012-March 2013

**Area of Specialization**

**Pharmaceutics**

**Research Projects**

02 completed, 02 ongoing

**Patents**

03 (applied for)

**Publications and other than journal articles (Books, chapters in books)**

6 books, 10 book chapters

**Research Publications- 135**

Indicative list (last 3 years)

1. Mahendra Singh, Jovita Kanoujia, Poonam Parashar, Malti Arya, Chandra B Tripathi, VR Sinha, Shailendra K Saraf, Shubhini A Saraf, "Assessment of improved buccal permeation and bioavailability of felodipine microemulsion based crosslinked polycarbophil gel", (2018) Online , *Drug Delivery and Translational Research*. **IF 3.094**
2. Mahendra Singh, Jovita Kanoujia, Poonam Parashar, Malti Arya, Chandra B Tripathi, VR Sinha, Shailendra K Saraf, Shubhini A Saraf. Augmented bioavailability of felodipine through an  $\alpha$ -linolenic acid-based microemulsion *Drug Deliv. and Transl. Res.* (2018) 8: 204 **IF 3.094**
3. Swetlana Gautam, Priyanka Singh, Manjari Singh, Subhadeep Roy, Jitendra K. Rawat, Rajnish K. Yadav, Uma Devi, Pushpraj S. Gupta, Shubhini A. Saraf and Gaurav Kaithwas\* Rifaximin, a pregnane X receptor (PXR) activator regulates apoptosis in a murine model of breast cancer, *RSC Adv.*, 2018,8, 3512-3521 **IF 3.942**
4. Animesh Kumar, Vijay Kumar Sirohi, Fatima Anum, Pankaj K. Singh, Kanchan Gupta, Diksha Gupta, **Shubhini A. Saraf**, Anila Dwivedi, Manish K. Chourasia, Enhanced apoptosis, survivin down-regulation and assisted immunochemotherapy by curcumin loaded amphiphilic mixed micelles for subjugating endometrial cancer, *Nanomedicine: Nanotechnology, Biology and Medicine*, Available online 27 April 2017, ISSN 1549-9634, 5 year impact **IF 6.922**

5. Malti AryaPrakash Tiwari,Chandra Bhushan, Tripathi,Poonam Parashar,Mahendra Singh,Priyam Sinha,Narayan P. Yadav,Gaurav Kaithwas,Krishna P. Gupta and **Shubhini A. Saraf**, Colloidal Vesicular System of Inositol Hexaphosphate to Counteract DMBA Induced Dysregulation of Markers Pertaining to Cellular Proliferation/Differentiation and Inflammation of Epidermal Layer in Mouse Model, *Mol. Pharmaceutics*, **2017**, *14* (3), pp 928–939.**IF 4.342**
6. Sanju Singh, Poonam Parashar, Jovita Kanoujia, Indu Singh, Sudipta Saha, **Shubhini A. Saraf**, Transdermal potential and anti-gout efficacy of Febuxostat from niosomal gel, *Journal of Drug Delivery Science and Technology*, Volume 39, June 2017, Pages 348-361, ISSN 1773-2247 **IF 0.622**
7. Verma J., Kanoujia, J., Parashar, P., Tripathi, C. B., & **Saraf, S. A.** (2017). Wound healing applications of sericin/chitosan-capped silver nanoparticles incorporated hydrogel. *Drug Delivery and Translational Research*, *7*(1), 77-88. **IF 3.094**
8. Chandra Bhushan Tripathi, Neha Gupta, Pranesh Kumar, Ashok Kumar Singh, Vinit Raj, Poonam Parashar, Mahendra Singh, Jovita Kanoujia, Malti Arya, Shubhini A Saraf, Sudipta Saha,  $\omega$ -3 Fatty Acid Synergized Novel Nanoemulsifying System for Rosuvastatin Delivery: In Vitro and In Vivo Evaluation, *AAPS PharmSciTech*, 2017 **IF2.451**.
9. Mahendra Singh, Jovita Kanoujia, Poonam Parashar, Malti Arya, Chandra B Tripathi, VR Sinha, Shailendra K Saraf, Shubhini A Saraf, Augmented bioavailability of felodipine through an  $\alpha$ -linolenic acid-based microemulsion, *Drug Delivery and Translational Research*, 2017, *8*(1):204-225 , **IF 3.094**
10. Danish Ahmed, Mohd. Ibrahim Khan, Gaurav Kaithwas, Subhadeep Roy, Swetlana Gautam, Manjari Singh, Uma Devi, Rajnsih Yadav, Jitendra Rawat, **Shubhini Saraf**, Molecular Docking Analysis and Antidiabetic activity of Rifabutin against STZ-NA induced diabetes in albino wistar rats, *Beni-Suef University Journal of Basic and Applied Sciences*, Available online 25 April 2017, ISSN 2314-8535
11. Sahu, V. K., Mishra, A., Sharma, N., Sahu, P. K., & **Saraf, S. A.** (2017). Physical rheological and cell viability study of some selected plant polysaccharides. *Research Journal of Pharmacy and Technology*, *10*(1), 227-232.
12. Gautam, S., Roy, S., Ansari, M. N., Saeedan, A. S., **Saraf, S. A.**, & Kaithwas, G. (2017). DuCLOX-2/5 inhibition: A promising target for cancer chemoprevention. *Breast Cancer*, *24*(2), **IF 1.17**
13. Singh, Neelu; Parashar, Poonam; Tripathi, Chandra Bhushan; Kanoujia, Jovita; Kaithwas, Gaurav; **Saraf, Shubhini A.** Oral delivery of allopurinol niosomes in treatment of gout in animal model. *Journal of Liposome Research* 2017, *27*(2) 130-138,**IF-1.88**
14. VK Sahu, A Mishra, N Sharma, PK Sahu, SA Saraf Physical Rheological and Cell Viability Study of Some Selected Plant Polysaccharides ,*Research Journal of Pharmacy and Technology* 2017, *10* (1), 227-232
15. A Kumar, S Kaushal, SA Saraf, JS Singh Cyanobacterial biotechnology: An opportunity for sustainable industrial production ,*Climate Change and Environmental Sustainability* 2017, *5* (1), 97-110
16. Development of an  $\alpha$ -linolenic acid containing soft nanocarrier for oral delivery: in vitro and in vivo evaluation Mahendra Singh,Jovita Kanoujia, Pooja Singh, Chandra B. Tripathi, Malti Arya, Poonam Parashar, Vivek R. Sinha and **Shubhini A. Saraf**. *RSC Adv.*, 2016,*6*, 77590-77602. **IF 3.942**
17. Kanoujia, J., Singh, M., Singh, P. Parashar, P , Tripathi CB, Arya, M, **Saraf, S.A** Genipin crosslinked soy-whey based bioactive material for atorvastatin loaded nanoparticles: Preparation, characterization and: In vivo antihyperlipidemic study. *RSC Advances*, 2016, *6*(96):93275-93287. **IF 3.942**
18. Development of an  $\alpha$ -linolenic acid containing a soft nanocarrier for oral delivery-part II: buccoadhesive gel, Mahendra Singh,Jovita Kanoujia, Pooja Singh,Poonam Parashar, Malti Arya, Chandra Bhushan Tripathi, Vivek R. Sinha and Shubhini A. Saraf. . *RSC Advances* 2016,*6*:103, 101602-101612. **IF 3.942**
19. Redefining the role of peripheral LPS as a neuroinflammatory agent and evaluating the role of hydrogen sulphide through metformin intervention. V Tiwari, M Singh, JK Rawat, U Devi,

- RK Yadav, S Roy, S Gautam, Saraf S A ..Kaithwas, G *Inflammopharmacology* 24 (5), 253-264, 2016, **IF 2.304**
20. Sneha Yadav, Virendra Tiwari, Manjari Singh, Rajnish K Yadav, Subhadeep Roy, Uma Devi, Swetlana Gautam, ....**Shubhini A Saraf**, Gaurav Kaithwas. Comparative Efficacy of Alpha Linolenic Acid and Gamma Linolenic Acid to attenuate Valproic acid Induced Autism like features. *Journal of Physiology and Biochemistry*. 2016 (In press)**IF-2.054**.
  21. Md. Meraj Anjum, Jovita Kanoujia, Poonam Parashar, Malti Arya, Alok K. Yadav and Shubhini A. Saraf, Evaluation of a Polymer-Lipid-Polymer System Utilising Hybrid Nanoparticles of Dapsone as a Novel Antiacne Agent,(2016) *Current Drug Therapy*, 11(2),86-100
  22. Mahendra Singh, Nidhi Gangwar, Poonam Parashar, Chandra B. Tripathi, Malti Arya, Shubhini A. Saraf and Sudipta Saha, Topical Delivery of Fluconazole via Microemulsion Incorporated Hydrogel for the Management of Fungal Dermatophytosis,(2016) *Current Drug Therapy*, 11(2), 129 - 141
  23. Kanoujia, J., Singh, M., Singh, P., Saraf, S.A. Novel genipin crosslinked atorvastatin loaded sericin nanoparticles for their enhanced antihyperlipidemic activity (2016) *Materials Science and Engineering C*, 69, pp. 967-976. **IF 4.164**
  24. Singh, P., Singh, M., Kanoujia, J., Arya, M., Saraf, S.K., Saraf, S.A. Process optimization and photostability of silymarin nanostructured lipid carriers: effect on UV-irradiated rat skin and SK-MEL 2 cell line(2016) *Drug Delivery and Translational Research*, 6 (5), pp. 597-609. **IF 3.094**
  25. Gautam, R., Singh, M., Gautam, S., Rawat, J.K., Saraf, S.A., Kaithwas, G. Rutin attenuates intestinal toxicity induced by Methotrexate linked with anti-oxidative and anti-inflammatory effects (2016) *BMC Complementary and Alternative Medicine*, 16 (1), art. no. 99, **IF 2.04**
  26. Singh, M., Devi, U., Roy, S., Gupta, P.S., Saraf, S.A., Kaithwas, G. Prolyl hydroxylase mediated inhibition of fatty acid synthase to combat tumor growth in mammary gland carcinoma(2016) *Breast Cancer*, pp. 1-10. **IF 1.17**
  27. Singh, S., Singh, M., Tripathi, C.B., Arya, M., Saraf, S.A. Development and evaluation of ultra-small nanostructured lipid carriers: novel topical delivery system for athlete's foot (2016) *Drug Delivery and Translational Research*, 6 (1), pp. 38-47. **IF 1.887**
  28. Singh, P., Arya, M., Kanoujia, J., Singh, M., Gupta, K.P., Saraf, S.A. Design of topical nanostructured lipid carrier of silymarin and its effect on 7,12-dimethylbenz[a] anthracene (DMBA) induced cellular differentiation in mouse skin(2016) *RSC Advances*, 6 (88), pp. 84965-84977. **IF 3.942**
  29. Kumar, A., Gautam, S., Rawat, J.K., Singh, M., Saraf, S.A., Kaithwas, G. Effect of palonosetron (5HT-3 antagonist) and pantoprazole (proton pump inhibitor) against surgical esophagitis induced by forestomach and pylorus ligation in albino rats (2016) *Human and Experimental Toxicology*, 35 (1), pp. 41-50. **IF 1.606**
  30. Bhardwaj, A., Dwivedi, H., Kymonil, K.M., Pareek, A., Upadhyay, S.C., Tripathi, C.B., Saraf, S.A. Solubility enhancement of Boswellia serrata Roxb. Ex Colebr. extract through a self dispersible lipidic formulation approach(2016) *Indian Journal of Natural Products and Resources*, 7 (1), pp. 9-18. **IF 0.513**
  31. Mishra, R.K., Sammi, S.R., Rawat, J.K., Roy, S., Singh, M., Gautam, S., Yadav, R.K., Devi, U., Ansari, M.N., Saeedan, A.S., Saraf, S.A., Pandey, R., Kaithwas, G. Palonosetron attenuates 1,2-dimethyl hydrazine induced preneoplastic colon damage through downregulating acetylcholinesterase expression and up-regulating synaptic acetylcholine concentration(2016) *RSC Advances*, 6 (46), pp. 40527-40538. **IF 3.942**
  32. Dubey, S., Saha, S., Kaithwas, G., Saraf, S. Effect of standardized fruit extract of *Luffa cylindrica* on oxidative stress markers in hydrogen peroxide induced cataract (2015) *Indian Journal of Pharmacology*, 47 (6), pp. 644-648. **IF 0.599**
  33. Agnihotri, J., Saraf, S., Singh, S., & Bigoniya, P. (2015). Development and evaluation of anti-malarial bio-conjugates: Artesunate-loaded nanoerythrocytes. *Drug Delivery and Translational Research*, 5(5), 489-497. **IF 1.887**

34. Dubey, S., Saha, S., & Saraf, S. A. (2015). In vitro anti-cataract evaluation of standardised abies pindrow leaf extract using isolated goat lenses. *Natural Product Research*, 29(12), 1145-1148. **IF 1.057**
35. Gautam, R., Singh, M., Gautam, S., Rawat, J. K., Saraf, S. A., & Kaithwas, G. (2016). *Rutin attenuates intestinal toxicity induced by methotrexate linked with anti-oxidative and anti-inflammatory effects*. *BMC Complementary and Alternative Medicine*, 16(1) **IF 2.04**
36. Gupta, S. K., Gautam, S., Rawat, J. K., Singh, M., Saraf, S. A., & Kaithwas, G. (2015). *Efficacy of variable dosage of aspirin in combating methotrexate-induced intestinal toxicity*. *RSC Advances*, 5(13), 9354-9360. **IF 3.942**
37. Kushwaha, P. S., Raj, V., Singh, A. K., Keshari, A. K., Saraf, S. A., Mandal, S. C., . . . Saha, S. (2015). *Antidiabetic effects of isolated sterols from ficus racemosa leaves*. *RSC Advances*, 5(44), 35230-35237. **IF 3.942**
38. Sharma, N., Gautam, S., Devi, U., Singh, M., Rawat, J. K., Sethi, N., . . . Kaithwas, G. (2015). *Preclinical appraisal of terbutaline analogues in precipitation of autism spectrum disorder*. *RSC Advances*, 5(49), **IF 3.942**
39. Tiwari, S., Dwivedi, H., Kymonil, K. M., & Saraf, S. A. (2015). *Urate crystal degradation for treatment of gout: A nanoparticulate combination therapy approach*. *Drug Delivery and Translational Research*, 5(3), 219-230. **IF 1.887**
40. Tripathi, A. C., Saraf, S. A., & Saraf, S. K. (2015). Carbon nanotropes: A contemporary paradigm in drug delivery. *Materials*, 8(6), 3068-3100. **IF 3.350**

### **Conferences, Seminars and presented lectures**

45 invited lectures in seminars, conferences (International as well as national)

### **Awards and Recognitions**

UGC Fellowship for M.Pharm from AICTE and from UGC for Ph.D; Academic excellence award for 3 consecutive years as director of Pharmacy program, BBDNITM, by UPTU; Senior scientist award ,2012, Indian Medicos Society; Travel grant from Royal Society of Chemistry, London, 2012; 2nd Gandhian Young Technological Innovation Award 2013 as Mentor; award for publishing in high impact BBAU2014;EISRA Award for excellence in research 2015, CSIR-CIMAP award for outstanding research publication 2015 as co author, Illustrious Alumnus Award, Dr Harisingh Gour University, Feb 2016; International Womens Day Award from Basic facility for women, 2016, Women in Education Leadership Award, 2017 conferred by The Dewang Mehta National Education Foundation

### **Memberships of the Professional Bodies**

1. Indian Pharmaceutical Association (IPA)
2. Indian Pharmaceutical Graduate Association (IPGA)
3. Association of Pharmacy Teachers of India (APTI)
4. Society of Pharmacovigilance (India) (ISP)
5. LASAI