

## (3). Dr. Sudipta Saha Assistant Professor

Pharmacokinetics, Cellular Toxicity

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

**Teaching Experience:** 6.5 Years **Research Experience:** 11.5 Years

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### **Research Projects**

- ➤ UGC-BSR-Start-Up grant of Newly Recruited Faculty (6 Lakhs, Completed).
- UGC Major Research Project (11.98 Lakhs, Completed).
- DST-SERB Major Research Project (25.58 Lakhs, April 2016, Ongoing)
  Patents
- 1. AK Singh, S Saha, AK Kesari, SA Saraf, D Kumar, A Prakash, "Indolo Fused Pyrido-oxazepine and its derivatives for the Treatment of Hepatocellular Carcinoma" Indian Patent Application (2016), Number: 201611016493. (Evaluation ongoing)
- 2. AK Kesari, S Saha, AK Singh, V Raj, A Rai. 5H-benzo[h]thiazolo[2,3-b]quinazolines containing nitrogen bridgehead as an anti-hepatocellular carcinogenic agent. Indian Patent Application (2016), Number 201611032810.
- 3. AK Singh, **S Saha**, AK Keshari, V Raj, A Rai, P Kumar. 5H-benzo[2,3][1,4]thiazepino-1-[5,6-b]indoles for the treatment of liver cancer. Indian Patent Application (2017), Number 201711026168.

### Publication other than journal articles (Book/Book Chapter)

- ➤ Modern Extraction Techniques for Drugs and Medicinal Agents in Ingredients Extraction by Physico-chemical Methods in Food. S Saha\*, AK Singh, AK Keshari, V Raj, A Rai, S Maity. ISBN 9780128115213, Elesvier, (2017). (Chapter)
- Emerging Therapeutic Targets for Diabetes, in Bio-Targets and Drug Delivery Approaches. S Saha\*, AK Singh, AK Keshari, PS Kushwaha, S Maity. ISBN 9781498729994, (CAT# K26106), CRC Press, Taylor and Francis (2016).(Chapter)
- NMR Based Metabolomics: An Emerging Tool for Therapeutic Evaluation of Traditional Herbal Medicines in Nuclear Magnetic Resonance Spectroscopy. D Kumar, A Rawat, D Dubey, U Kumar, AK Keshari, S Saha, A Guleria. Publisher: SM Group, pp.1-18 (2016). (Chapter)
- Modern Concept on Dyslexia, S. Saha\*, A Mishra, S Maity. ISBN no. 978-3-659-55190-1. Publisher: Academic Publishing, Heinrich-Böcking-Str. 6-866121, Saarbrücken, Germany (2014). (Book)

# List of publications (research papers) (As on February, 2018)

<u>Citation indices</u>	All	Since 2013
<u>Citations</u>	334	286
<u>h-index</u>	11	10
<u>i10-index</u>	13	12

Cumulative Impact Factor: 84.873.

Average impact factors: 1.601

#### Year - 2018

- AK Singh, U Kumar, V Raj, A Rai, P Kumar, AK Keshari, D Kumar, B Maity, S Nath, A Prakash, S Saha\*. Novel Indole-fused benzo-oxazepines (IFBOs) obliterate hepatocellular carcinoma through IL-6/JAK2/STAT3 oncogenic signaling blockade. Nature Scientific Reports, Accepted manuscript, 2018, ID: SREP-17-38995C. (Impact Factor: 4.259) (ISSN no. 2045-2322). (Publisher: Springer nature)
- P Kumar, AK Singh, V Raj, A Rai, A Kesari, D kumar, B Maity, S Nath, A Prakash, S Maiti, S Saha\*. Poly(lactic-co-glycolic acid)-loaded nanoparticles of betulinic acid for improved treatment of hepatic cancer: characterization, in vitro and in vivo evaluations. International Journal of Nanomedicine, Accepted manuscript, 2018, ID: 157391. (Impact Factor: 4.300) (ISSN no. 1178-2013). (Publisher: Dove Press)
- 3. AK Singh, AS Bhadauria, U Kumar, V Raj, V Maurya, D Kumar, B Maity, A Prakash, A De, A Samanta, S Saha\*. Novel Indole-fused benzo-oxazepines (IFBOs) obliterate hepatocellular carcinoma through IL-6/JAK2/STAT3 oncogenic signaling blockade. Life Sciences, Accepted manuscript, 2018, ID: LFS-D-17-01243R1. (Impact Factor: 2.936). ISSN No. 0024-3205. (Publisher: Elsevier).
- 4. P Mishra, V Raj, AS Bhadauria, AK Singh, A Rai, P Kumar, AK Keshari, A De, A Samanta, U Kumar, D Kumar, B Maity, S Nath, A Prakash, KM Ansari, S Saha\*. 6,7-dimethoxy-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid attenuates colon carcinogenesis via blockade of IL-6 signals. Biomedicine and Pharmacotherapy, Accepted manuscript, 2018, ID: BIOPHA\_2017\_4132\_R3. (Impact Factor: 2.759) (ISSN no. 0753-3322). (Publisher: Elesvier)
- 5. S Chakraborti, A Pramanick, S Saha, SS Roy, AR Chaudhuri, M Das, S Ghosh, AM Stewart, B Maity. Atypical G protein β5 promotes cardiac oxidative stress, apoptosis, and fibrotic remodeling in response to multiple cancer chemotherapeutics. Cancer Research, 2018, 78(2), 528-541. (Impact Factor: 9.329) (ISSN no. 0008-5472). (Publisher: American Association for Cancer Research)
- 6. AK Singh, V Raj, A Kesari, A Rai, P Kumar, A Rawat, D kumar, B Maity, S Nath, A Prakash, A De, A Samanta, B Bhattacharya, S Saha\*. Isolated mangiferin and naringenin exert antidiabetic effects via PPAR<sub>y</sub>/GLUT-4 dual agonistic action with

- strong metabolic regulation. **Chemico-Biological Interactions**, **2018**, **280**, **33-44**. **(Impact Factor: 3.143)** (ISSN No. 0009-2797). (Publisher: Elsevier)
- 7. A Rai, AK Singh, V Raj, S Saha\*. 1,4 Benzothiazines: A biologically active scaffold. Mini Reviews in Medicinal Chemistry, 2018, 18(1), 42-57. (Impact Factor: 2.84) (ISSN No. 1875-5607). (Publisher: Bentham Science)

- 8. A Rai, U Kumar, V Raj, AK Singh, P Kumar, AK Keshari, D Kumar, B Maity, A De, A Samanta, S Nath, A Prakash, SB Gosipatala, G Chand, **S Saha\***. Novel 1,4-benzothazines obliterate COX-2 mediated JAK-2/STAT-3 signals with potential regulation of oxidative and metabolic stress during colorectal cancer. **Pharmacological Research, Accepted manuscript, 2017, ID: YPHRS 3761**. (Impact Factor: 4.480) (ISSN No.: 1043-6618). (Publisher: Elsevier)
- 9. AK Singh, V Raj, S Saha\*. Indole-fused azepines and analogues as anticancer lead molecules: Privileged findings and future directions. European Journal of Medicinal Chemistry, 2017, 142, 244-265. (Impact Factor: 4.52) (ISSN No. 0223-5234). (Publisher: Elsevier)
- 10. CB Tripathi, N Gupta, P Kumar, AK Singh, V Raj, P Parashar, M Singh, nanoemulsifyning system for rosuvastatin delivery: in vitro and in vivo evaluations. Accepted manuscript, 2017. ID: AAPSPT-D-17-00490R2. (Impact factor: 2.451) (ISSN No. 1530-9932) (Publisher: Springer)
- 11. A Kesari, AK Singh, U Kumar, V Raj, A Rai, P Kumar, D kumar, B Maity, S Nath, A Prakash, S Saha\*. "5H-benzo[h]thiazolo[2,3-b]quinazolines ameliorate NDEA-induced hepatocellular carcinogenesis in rats through IL-6 down-regulation along with oxidative and metabolic stress reduction. Accepted manuscript. Drug Design, Development and Therapy, 2017, 11, 2981-2995. (Impact Factor: 2.881) (ISSN No. 1177-8881). (Publisher: Dove Press)
- 12. AK Keshari, AK Singh, V Raj, A Rai, P Trivedi, B Ghosh, U Kumar, A Rawat, D Kumar, S Saha\*. p-TSA promoted syntheses of 5H-benzo[h]thiazolo[2,3-b]quinazoline and indeno[1,2-d]thiazolo[3,2-a]pyrimidine analogues: Molecular modeling, in-vitro antitumor activity against hepatocellular carcinoma. Drug Design, Development and Therapy, 2017, 11, 1623-1642. (Impact Factor: 2.881). (ISSN No. 1177-8881). (Publisher: Dove Press)
- 13. A Rai, V Raj, MH Aboumanei, AK Singh, AK Keshari, SP Verma, S Saha\*. Pharmacophore, 3D-QSAR models and Dynamic Simulation of 1,4-Benzothiazines for Colorectal Cancer Treatment. Combinatorial Chemistry & High Throughput Screening, 2017, 20(8), 658-674. (Impact Factor: 1.041) (ISSN No. 1875-5402) (Publisher: Bentham Science)
- 14. V Raj, A Rai, AK Singh, AK Keshari, P Trivedi, B Ghosh, U Kumar, D Kumar, S Saha\*. Discovery of Novel 2-Amino-5-(Substituted)-1,3,4-Thiadiazole Derivatives: New Utilities for Colon Cancer Treatment. Anti-cancer Agents in Medicinal Chemistry, 2017. DOI:10.2174/1871520617666170419122916 (Impact Factor: 2.72). (ISSN No. 1871-5206). (Publisher: Bentham Science)
- 15. V Raj, A Rai, S Saha\*. Human cancer cell line based approach of 1,3,4-thiadiazole and its fused ring: A comprehensive review. Anti-cancer agents in medicinal chemistry, 2017, 17, 500-523. (Impact Factor: 2.72). ISSN No. 1871-5206. (Publisher: Bentham Science)

- 16. AK Keshari, AK Singh, S Saha\*. Bridgehead Nitrogen Thiazolo[3,2-a]pyrimidine: A privileged Structural Framework in Drug Discovery. Mini Reviews in Medicinal Chemistry, 2017, 17(15), 1488-1499. (Impact Factor: 2.84) (ISSN No. 1875-5607). (Publisher: Bentham Science)
- 17. AK Sahdev, V Raj, AK Singh, A Rai, AK Keshari, A De, A Samanta, U Kumar, A Rawat, D Kumar, S Nath, A Prakash, S Saha\*. Ameliorative effects of pyrazinoic acid against oxidative and metabolic stress manifested in rats with dimethylhydrazine induced colonic carcinoma. Cancer biology & therapy, 2017, 18(5), 305-313. (Impact Factor: 3.29) (ISSN No. 1538-4047) (Publisher: Taylor and Francis)
- 18. A Rawat, S Chaturvedi, AK Singh, A Guleria, D Dubey, AK Keshari, V Raj, A Rai, A Prakash, U Kumar, D Kumar, S Saha\*. Metabolomics approach discriminates toxicity index of Pyrazinamide and its metabolic products; Pyrazinoic acid and 5-Hydroxy Pyrazinoic acid. Human & Experimental Toxicology, 2017. DOI:10.1177/0960327117705426 (Impact Factor: 1.802) (ISSN No. 0960-3271) (Publisher: Sage)
- 19. S Singh, A Rai, S Maity, S Sarkar, S Maji, **S Saha\***. Effect of ethanolic extract of Quisqualis indica L. flower on experimental esophagitis in albino Wistar rats. **Indian** journal of experimental biology, **2017**; **55(2)**:122-126. (Impact Factor: 1.12) ISSN No. 0975-1009.
- 20. S Chauhan, P Kumar, AK Singh, V Raj, A Rai, AK Keshari, A Prakash, **S Saha\***. A Natural Product, Naringin, Actives against Pylorus Ligation Induced Esophagitis in Male Wistar Rats. **Indian Journal of Pharmaceutical Sciences, 2017**. (**Impact Factor: 0.762**) (ISSN No. 1998-3743)
- 21. SA Siddiqui, S Singh, V Ranjan, R Ugale, S Saha, A Prakash. Enhanced Histone Acetylation in the Infralimbic Prefrontal Cortex is Associated with Fear Extinction. Cellular and Molecular Neurobiology, 2017, 37, 1287-1301. (Impact Factor: 2.32) (ISSN No. 1573-6830) (Publisher: Springer)
- 22. P Kumar, AK Singh, V Raj, A Rai, S Maity, A Rawat, U Kumar, D Kumar, A Prakash, A Guleria, **S Saha\***. 6,7-dimethoxy-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid attenuates hepatocellular carcinoma in rats with NMR based metabolic perturbations. **Future Science OA, 2017**. (ISSN:2056-5623)
- 23. A Rai, V Raj, AK Singh, AK Keshari, U Kumar, D Kumar, S Saha\*. Design and synthesis of 1,4-benzothiazine derivatives with promising effects against colorectal cancer cells. Cogent Chemistry, 2017, 3, 1-24. (ISSN No. 2331-2009).
- 24. S Singh, P Parashar, J Kanoujia, I Singh, **S Saha**, SA Saraf. Transdermal potential and anti-gout efficacy of Febuxostat from niosomal gel. **Journal of Drug Delivery Science and Technology**, **2017**. DOI:10.1016/j.jddst.2017.04.020 (ISSN No. 1773-2247).
- 25. AK Singh, V Raj, A Rai, AK Keshari, **S Saha\***. Indole fused benzooxazepines: A new structural class of anti-cancer agents. **Future Science OA, 2017, 3(1), FSO168**. ISSN:2056-5623.

26. AK Keshari, G Kumar, PS Kushwaha, P Kumar, A Rawat, D Kumar, A Prakash, B Ghosh, **S Saha\***. Isolated flavonoids from Ficus racemosa stem bark possess antidiabetic, hypolipidemic and protective effects in albino Wistar rats. **Journal of** 

- **Ethnopharmacology 2016, 181, 252–262. (Impact Factor: 3.055)**. ISSN No. 0378-8741. (Publisher: Elsevier)
- 27. P Kumar, A Rawat, AK Keshari, AK Singh, S Maity, A De, A Samanta, **S Saha\***. Antiproliferative effect of isolated isoquinoline alkaloid from Mucuna pruriens seeds in hepatic carcinoma cells. **Natural Product Research, 2016, 30, 460–463.** (Impact Factor: 1.828). ISSN No. 1478-6419. (Publisher: Taylor and Francis)
- 28. A Rawat, D Dubey, A Guleria, U Kumar, AK Keshari, S Chaturvedi, A Prakash, **S Saha**, D Kumar\*. <sup>1</sup>H NMR-based serum metabolomics reveals erythromycin-induced liver toxicity in Albino Wistar rats. **Journal of Pharmacy & Bioallied Sciences. 2016, 8, 327-34.** ISSN: 0975-7406.
- 29. N Ganggwar · M Singh · P Parashar, M Arya, CK Tripathi, SA Saraf, **S Saha\***. Topical Delivery of Fluconazole via Microemulsion Incorporated Hydrogel for the Management of Fungal Dermatophytosis. **Current Drug Therapy, 2016, 11, 129-141.** ISSN No. 2212-3903.
- 30. S Chaturvedi, AK Singh, AK Keshari, S Maity S Sarkar, S Saha\*. Human Metabolic Enzymes Deficiency: A Genetic Mutation Based Approach. Scientifica Volume 2016, Article ID 9828672, 14 pages. ISSN No. 2090-908X.
- 31. PS Kushwaha, AK Singh, AK Keshari, S Maity, **S Saha\***. An Updated Review on Phytochemistry, Pharmacology and Clinical Trials of *Salacia oblonga*. **Pharmacognosy Review 2016, 10, 109-114.** ISSN No. 0976-2787.
- 32. A Mishra, AK Keshari, AK Singh, S Maity, B Nandy, S Saha\*. Oxidative stress-based hepatotoxicity of duloxetine in wistar rats. International Journal of Pharmacy and Pharmaceutical Sciences, 2016, 8, 28-32. ISSN No. 0975-1491.

- 33. PS Kushwaha, V Raj, AK Singh, AK Keshari, SA Saraf, SC Mandal, RK Yadav, **S Saha**\*. Antidiabetic effects of isolated sterols from Ficus racemosa leaves. **RSC Advances**, **2015**, **5**, **35230-35237**. (**Impact Factor: 3.289**). ISSN No. 2046-2069. (Publisher: Royal Society of Chemistry)
- 34. S Dubey, **S Saha**, SA Saraf. In vitro anti-cataract evaluation of standardised Abies pindrow leaf extract using isolated goat lenses. **Natural Product Research**, 2015, 29, 1145-1148. (**Impact Factor: 1.828**). ISSN No. 1478-6419.
- 35. RK Yadav, AK Keshari, AK Singh, **S Saha\***. Antidiabetic and hypolipidemic effect of *Ficus racemosa* petroleum ether extract in albino Wistar Rats. International Journal of Pharmacy and Pharmaceutical Sciences, 2015, 7, 283-287. ISSN No. 0975-1491.
- 36. RK Yadav, BC Nandy, S Maity, S Sarkar, S Saha\*. Phytochemistry, pharmacology, toxicology, and clinical trial of *Ficus racemosa*. Pharmacognosy Review 2015, 9, 73-80. ISSN No. 0976-2787.
- 37. A Mishra, S Roy, S Maity, RK Yadav, AK Keshari, **S Saha\***. Antiproliferative effect of flower extracts of Spilanthes paniculata on hepatic carcinoma cells. **International Journal of Pharmacy and Pharmaceutical Sciences**. 2015, 7(1), 130-134. ISSN No. 0975-1491.
- 38. RK Yadav, M Singh, S Sarkar, S Maity, **S Saha\***. Cytotoxicity of different extracts of *Mucuna pruriens* seeds on hepatoma cells but not on normal hepatic cells. Pharmacognosy Communications. 2015, 5, 75-81. ISSN No. 2249-0167

39. S Saha, BC Nandy. An overview of ultra performance liquid chromatography (UPLC): Principles, instrumentation and applications **ASIO Journal of Analytical Chemistry**. 2015, 1, 12-19. ISSN No. 2455-7072.

#### **Year - 2014**

- 40. RK Yadav, S Maity, **S Saha\***. A review on TORCH: groups of congenital infection during pregnancy. **Journal of Scientific and Innovative Research** 2014, 3, 258-264. ISSN No. 2320 4818.
- 41. U Devi, P Kumar, AK Keshari, S Maity, **S Saha\***. Evaluation of Antiulcer Activity of Ethanolic Fruits Extract of *Ficus Carica*. **NSHM Journal of Pharmacy and Healthcare Management**, 2014, 5, 76-80. ISSN No. 2230-7249.
- 42. P Kichi, **S Saha**, SA Saraf, G Kaithwas. Combination therapy of gamma-aminobutyric acid derivative promotes proton pump inhibitor based healing of reflux esophagitis in animal model. **Pharmacological Reports**, 2014, 66, 165-168 (**Impact Factor: 1.9**). ISSN No. 1734-1140. (Publisher: Elsevier)

### Year- 2013

- 43. P Kumar, **S Saha\***. An updated review on Taxonomy, Phytochemistry, Pharmacology and Toxicology of *Mucuna pruriens*. Journal of Pharmacognosy and Phytochemistry, 2013, 2, 306-314. ISSN No. 2278-4136.
- 44. S Dubey, S Maity, M Singh, SA Saraf, **S Saha\*.** Phytochemistry, Pharmacology and Toxicology of *Spilanthes acmella*: A Review. Advances in Pharmacological Sciences, Volume 2013, Article ID 423750, 9 pages. ISSN No. 1687-6342.
- 45. **S Saha,** T Guria, T Singha, TK Maity.Evaluation of Analgesic and Anti-inflammatory Activity of Chloroform and Methanol Extracts of *Centella asiatica* Linn. **S** ISRN Pharmacology, Volume 2013, Article ID 789613, 6 pages. ISSN No. 2090-5165.
- 46. RL Lodhi, S Maity, P Kumar, SA Saraf, G Kaithwas, **S Saha\***. Evaluation of mechanism of hepatotoxicity of leflunomide using albino Wistar rats. African Journal of Pharmacy and Pharmacology, 2013, 7, 1625-1631. (Impact Factor 0.99) ISSN No. 1996-0816.
- 47. E Arya, **S Saha**, SA Saraf, G Kaithwas. Effect of *Perilla frutescens* Fixed Oil on Experimental Esophagitis in Albino Wistar Rats. **BioMed Research International**, Volume 2013, Article ID 981372, 6 pages. (**Impact Factor 1.579**). ISSN No. 2314-6133. **Year -2012**
- 48. **S Saha,** DSZ Chan, CY Lee, W Wong, LS New, WK Chui, CW Yap, ECY Chan, HK Ho. Pyrrolidinediones reduce the toxicity of thiazolidinediones and modify their anti-diabetic and anti-cancer properties. **European Journal of Pharmacology**, 2012, 697, 13-23. (**Impact Factor: 2.89**). ISSN No. 0014-2999. (Publisher: Elsevier)
- 49. RL Lodhi, SA Saraf, G Kaithwas, **S Saha\***. Pharmacology and Toxicology of Leflunomide. Iranian Journal of Pharmacology and Therapeutics, 2012, 11, 26-32. ISSN No. 1735-2657.

- 50. **S Saha**, LS New, HK Ho, WK Chui, ECY Chan. Investigation of the role of thiazolidinedione of troglitazone in inducing hepatotoxicity. **Toxicology Letters**, 2010, 192, 141-149. (**Impact Factor: 3.85**) ISSN No. 0378-4274. (Publisher: Elsevier)
- 51. **S Saha**, LS New, HK Ho, WK Chui, ECY Chan. Direct toxicity effects of sulfo-conjugated troglitazone on human hepatocytes. **Toxicology Letters**, 2010, 195, 135-141. (**Impact Factor: 3.85**) ISSN No. 0378-4274. (Publisher: Elsevier)
- 52. M Chakrabarty, **S Saha**, S Mukherjee. Murrayakoeninol- A New Carbazole Alkaloid from *Murraya koenigii* (Linn) Spreng. **Natural Product Communication**, 2009, 4, 355-358. (**Impact Factor: 0.906**) ISSN No. 1555-9475.

53. LS New, S Saha, MMK Ong, UA Bostleri and ECY Chan. Pharmacokinetics study of intraperitonially administered troglitazone in mice using ultra-performance liquid chromatography tandem mass spectrometry. Rapid Communication in Mass Spectrometry, 2007, 21, 982-988. (Impact Factor: 2.226) ISSN No. 1097-0231. (Publisher: Wiley)

\* Denoted corresponding author.

### **Conference/Seminars**

- S Saha\*, LS New, HK Ho, WK Chui and ECY Chan. Investigation of the role of thiazolidinedione of troglitazone in inducing hepatotoxicity in humans. ISSX 3rd Regional Asia Pacific Meeting, 09<sup>th</sup>-12<sup>th</sup> May, 2009, Bangkok, Thialand.
- 2. S Saha\*, LS New, HK Ho, WK Chui and ECY Chan. Investigation of the role of thiazolidinedione of troglitazone in inducing hepatotoxicity in humans. Drug Metabolism Reviews 2009, 41(s2), 26 (Abstract).
- **3. S Saha\***, WK Chui, LS New and ECY Chan. Reactive metabolites profiling of pioglitazone and piosuccinimide in human liver microsomes using high performance liquid chromatography tandem mass spectrometry. **19th Singapore pharmacy Congress, Singapore (19<sup>th</sup>-21<sup>st</sup> October, 2007).**
- 4. IP Singh, **S Saha\***. Evaluation of Cardioprotective activity of *Ficus Religiosa* fruits using Albino Wistar Rats. Research and development in drugs and pharmaceuticals: An industrial perspective, Jadavpur University, Kolkata (23<sup>rd</sup>-24<sup>th</sup> February, 2013).
- 5. **S Saha\***, RK Yadav, S Maity, T Guria. Cytotoxicity of different extracts of Mucuna Pruriens seed on hepatoma cells but not on normal hepatic cells. **2nd Pharm. Tech.** IAPST International Conference, Jadavpur University, Kolkata (17<sup>th</sup>-19<sup>th</sup> January, 2014).
- 6. Co-chairman, Golden Jubilee Conference, 1<sup>st</sup>-2<sup>nd</sup> March, 2014, Lucknow (Theme: Recruiting Pharmacy Curricula: Need of Health Sector.
- 7. **S Saha\***. Stability enhancement of Hydrochlorthiazide through nanocrystal approach. International Pharmaceutical Conference on Nanoformulation and Translational Research: Small Getting Bigger, Lucknow 2-3 March, 2015.
- 8. **Invited Lectured,** Hands on training on SEM, FTIR, FPLC and Ion Chromatography, (PK/PD studies using HPLC) University Science Instrumentation Centre, BBAU, Lucknow, 18<sup>th</sup>-20<sup>th</sup> February, 2015.

- 9. S Pramanik, S Saha, AK Chakrabarty, S Mukhopadhyay. A new chlorinated compound from *Withania somnifera*. National Sympozium on Organic Chemistry-III, Kolkata (22<sup>nd</sup>-23<sup>rd</sup> February, 2006).
- 10. VC Yeligar, K Murgesh, BC Khan, D Maity, S Saha, TK Maity. Studies of antileishmanial potential of *Luffa tuberose* roots. Promotion and Development of Botanicals with International Coordination, Kolkata (25<sup>th</sup>-26<sup>th</sup> February, 2005).
- 11. Investigation of the role of thiazolidinedione ring and sulfo-conjugated troglitazone in inducing hepatotoxicity (**Oral presentation**), ADMET Profiling for Drug Discovery, Singapore, September, 2009. SCIENTIFIC WORKSHOPS.

# Membership

- Departmental Research Committee, Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.
- Board of Post-graduate Studies, Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.
- External Member, for the Selection of Grade II Technical Post, Centre for Biomedical Research (CBMR), Lucknow.
- Member, West Bengal Pharmacy Council.

# **Awards/Recognitions**

- ➤ Young Scientist Award, European Institute Scientific Research on Ayurveda, International Pharmaceutical Conference, 2-3 February, 2015.
- ➤ IASc-INSA-NASI Summer Research Fellowship in 2012 (Not availed)
- Received Astar, Singapore Post-Doctoral Fellowship in 2010.
- > Secured NUS graduate research scholarship from August, 2006 to July, 2010.
- Scored 96.26 percentile in GATE 2005 and 89.30 percentile in GATE 2003.
- ➤ Won best graduate student award in Asian Symposium on ADMET Profiling for Drug Discovery in Singapore September, 2009.
- Acting as Guest Editor on the special issue Biological Efficacy of Medicinal Plant Extracts in Preventing Oxidative Damage in Oxidative Stress and Cellular Longevity. (Hindawi Publisher, Impact Factor: 4.593). Last date of manuscript submission: 15 December, 2017 and publication date March, 2018.

# Thesis awarded

- M. Pharm. (Awarded: 30)
- Ph.D. (Submitted: 04, Ongoing: 01)