

## Publication in Journals: 63

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1. Sonali Jain, Heena Jariyal, Akshay Srivastava and Pinaki Sengupta\*. Target Specific Intracellular Quantification of Etoposide by Quadrupole-Time of Flight based Mass Spectroscopic Method. *Journal of Chromatography B*, 2020, 1152, 122233. Impact Factor: **3.004**.
2. Akhila Pyaram, Madhuri Rampilla, Jayshri Deore and Pinaki Sengupta\*. Challenges and strategies for quantification of drugs in the brain: current scenario and future advancement. *Critical Reviews in Analytical Chemistry*. *Critical Reviews in Analytical Chemistry*, 2020, <https://doi.org/10.1080/10408347.2020.1791041>. Impact Factor: **4.568**.
3. Pooja Dhakne, Amit Kumar Sahu, Manish Kumar Sharma, Pinaki Sengupta\*. Simultaneous quantification of abemaciclib and letrozole in rat plasma: method development, validation and pharmacokinetic application, *Biomedical Chromatography*, 2020, 34, e4825. Impact Factor: **1.728**.
4. Amit Kumar Sahu, Pinaki Sengupta\*. Time of flight mass spectrometry based in vitro and in vivo metabolite profiling of ribociclib and their toxicity prediction. *Journal of Chromatography B*, 2020, 1147, 122142. Impact Factor: **3.004**.
5. Manish Kumar Sharma, Rajeshwari Rathod, Pinaki Sengupta\*. Mass spectrometry based rapid quantitative bioanalysis of flibanserin; pharmacokinetic and brain tissue distribution study. *Journal of Analytical Toxicology*, 2020, 44 (6), 559–569. Impact Factor: **3.513**.
6. Manish Kumar Sharma, Ravi P. Shah, Pinaki Sengupta\*. Amalgamation of Stress Degradation and Metabolite Profiling in Rat Urine and Feces for Characterization of Oxidative Metabolites of Flibanserin using UHPLCQ-TOF-MS/MS, H/D Exchange and NMR Technique. *Journal of Chromatography B*, 2020, 1139, 121993. Impact Factor: **3.004**.
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8. Aarati Dilip Zagade, Amit Sharda, Shital Shinde, Amit Kumar Sahu and Pinaki Sengupta\*. Bioanalysis and Quadrupole-Time of Flight-Mass Spectrometry Driven In Vitro Metabolite Profiling of a New Boronic Acid Based Anticancer Molecule. *Journal of Chromatographic Science (Accepted)*. 2020. Impact Factor: **1.28**.

9. Pichili Ajitha Reddy, Amit Kumar Sahu, Manish Kumar Sharma, Pinaki Sengupta\*. Development and Validation of a Simultaneous Bioanalytical Method for Methotrexate, Sulfasalazine and Hydroxychloroquine in Rat Plasma following Single Step Protein Precipitation Technique. *Indian Journal of Pharmaceutical Education and Research*, 2020, 54 (2), S358-S367. Impact Factor: **0.501**.
10. Maria Bandoowala, Disha Thakkar, Pinaki Sengupta\*. Advancement in analytical strategies for quantification of the multifaceted nitroxidative stress biomarker 3-Nitrotyrosine in biological matrices. *Critical Reviews in Analytical Chemistry*, 2020, 50 (3), 265-289. Impact Factor: **4.568**.
11. Maria Bandoowala, Kavya Sri Nemani, Bappaditya Chatterjee, Pinaki Sengupta\*. Reactive metabolites: generation and estimation with electrochemistry based analytical strategy as an emerging screening tool. *Current Analytical Chemistry*, 2020, DOI: 10.2174/1573411016666200131154202. Impact Factor: **1.365**.
12. Tarang Jadav, Sonali Jain, Kiran Kalia, and Pinaki Sengupta\*. Current Standing and Technical Guidance on Intracellular Drug Quantification: A New Site Specific Bioavailability Prediction Approach. *Critical Reviews in Analytical Chemistry*, 2020, 50 (1), 50-61. Impact Factor: **4.568**.
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15. Maria Bandoowala, Amit Kumar Sahu, Disha Thakkar, Monika Sharma, Amit Khairnar, Pinaki Sengupta\*. Edaravone-caffeine combination for the effective management of rotenone induced Parkinson's disease in rats: An evidence based affirmative from a comparative analysis of behavior and biomarker expression. *Neuroscience Letters*, 2019, 711, 134438. Impact Factor: **2.274**.
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