

List of Prominent Research Work Papers

- **Major Projects Undertaken**

Dr Kapil Kumar

Project Submitted: Synthesis and Evaluation of Tryptanthrin Analogue as Potential Anticancer Agents

Total budget: 43, 90,000 INR

To: DST/SERB

- **Patents Filled**

- Dr Anupama Diwan and Abida filed patent on Pyridazine derivatives of Pharmaceutical Interest in November 2018, Indian Patent Office.
- Dr Anupama Diwan and Dr Rupali Kalra filed patent in Indian Patent Office in June 2017 entitled: Novel Combination of Artemether and Curcumin as Solid Self Microemulsifying Drug Delivery System (SSMEDDS) for treatment of Malaria, Application No. 201611018999.

- **Papers Published**

- Kamma Sharma, Kapil Lumar, Ravindra K. Rawal, Virender Singh, LC-NMR: An Overview of A Hyphenated Technique, Kirk-Othmer **Encyclopedia of Chemical Technology**, first published: 25 March 2018.
- Kapoor Y, Dubey S, and Kumar K, CAR T Cell: A Novel Treatment Regime for Cancer. **SF Journal of Pharmaceutical and Analytical Chemistry**. 2018; 1(1): 1008
- Katar R, Sachedeva, Majumdar D K. Acceclofenac Oil Drops: Characterization and Evaluation against Occular Inflammation **Pharma Dev Technol** March 2018. 23(3): 240-246.

- Singh RK, Najmi AK, Novel Therapeutic Potential of Mitogen-Activated Protein Kinase Activated Protein Kinase 2 (MK2) in Chronic Airway Inflammatory Disorders. *Curr Drug Targets*. 2018 August 16.
- Anupama Diwan, Aparna Tomar, Rupali Kalra and Ajit Jha, Novel Method of Taste Masking for Oro Dispersible Tablets for an Extremely Bitter Drug: Article accepted in coming issue 2018 August '**European Journal of Pharmaceutical and Medical Research**'.
- Chauhan AS, Ansari MY, Mansuri R, Dikhit MR, Ali V, Sahoo GC, Das P. Computational elucidation, mutational and hot spot-based designing of potential inhibitors against human acid-sensing ion channels (hASIC-1a) to treat various physiological conditions. *J Biomol Struct Dyn*. 2017 November 20: 1-18. IF: 3.123.
- Dikhit MR, Amit A, Singh AK, Kumar A, Mansuri R, Sinha S, Topno RK, Mishra R, Das VNR, Pandey K, Sahoo GC, Ali V, Bimal S, Das P. Vaccine potential of HLA-A2 epitopes from *Leishmania* Cysteine Protease Type III (CPC). *Parasite Immunology*. 2017 September; 39(9).IF: 2.493.
- Sudha Verma, Sushmita Das, Abhishek Mandal, Md. Yousuf Ansari, Sujata Kumari, Rani Mansuri, Ajay Kumar, Ruby Singh, Savita Saini, Kumar Abhishek, Vijay Kumar, Vijay Kumar Pradeep Das. Role of Inhibitor of Serine Peptidases in protecting *Leishmania donovani* against the hydrolytic peptidases of sand fly midgut. *Parasite and Vectors*. 2017. IF: 3.234.
- Rahman SO, Singh RK, Hussain S, Akhtar M, Najmi AK. A novel therapeutic potential of cysteinyl leukotrienes and their receptors modulation in the neurological complications associated with Alzheimer's disease. *Eur J Pharmacol*. 2018 October 30.
- Manju K, Anupama D., Development and Validation of Reversed-phase High-performance Liquid Chromatography Method for the Simultaneous Estimation of Benzoyl Peroxide and Resveratrol, *Int. J. Pharm. & Bio. Archives*, 2018: 9(2): 113-121.
- Kamra M., Diwan A., Novel Topical Liposomal Gel of Benzoyl Peroxide & Resveratrol for treatment of Acne, *Asian J. Pharm. Res.& Dev.*2018: 6(2): 27-42.