

## Drug Development: The Journey of a Medicine from Lab to Shelf

Mirko Omejc\*

Department of Abdominal Surgery, University of Slovenia, Slovenia  
EDITORIAL

Drug development describes the process of developing a new drug that effectively targets a specific weakness in a cell. This process involves specific pre-clinical development and testing, followed by trials in humans to determine the efficacy of the drug. Journal of Developing Drugs is a peer reviewed journal, which extensively brings to you the contemporary discoveries and developments in the world of science and medicine.

The ever-changing world demands a continuous supply and development of drugs. The goal of a preclinical drug discovery program is to deliver one or more clinical candidate molecules, each of which has sufficient evidence of biologic activity at a target relevant to a disease as well as sufficient safety and drug-like properties so that it can be entered into human testing.

The 7th Volume of Journal of Developing Drugs consists of an extensive range of topics. In their research, Gazi and Sailaja, aimed to study the preparation of Paracetamol loaded Eudragit S100 nanoparticles by salting out (SO) technique. Paracetamol nanoparticles were prepared by salting out technique. Among all the three formulations 1:3 formulation shows better drug content and entrapment efficiency [1].

Sharma et al. explored QSAR and Structure Based Modeling of Marine Derived Anticancer Hymenialdisine Compounds. QSAR and molecular docking analysis of HMD analogs are being carried out by freely accessible open source software which are very economical and potential in drug discovery attempt [2].

In their research study, Ghule and Bhojar's objective was to develop liposomal drug delivery of Pramipexole and thus reduce its side effect and toxicity and improve bioavailability, efficacy and therapeutic index. Their extensive study concluded incorporation of stearylamine enhanced the percent entrapment of pramipexole owing to rigidization effect on the membrane packing. Modified Liposomes of pramipexole can be promising carriers for the effective treatment of Parkinson's [3].

Benbow and Campbell, researched about the comparison of the topical analgesic effects of a novel diclofenac microemulsion to a marketed diclofenac macroemulsion formulation in rats using the tail flick test. This study compares the topical analgesic

effects of novel diclofenac diethylamine (DDEA) water-in-oil (w/o) microemulsion to a marketed diclofenac diethylamine (DDEA) oil-in-water macroemulsion in the treatment of acute thermal pain using the rat tail flick test [4].

Otgonsuren et al., examined the formulation and evaluation of licozinat matrix tablet. They developed and evaluated prolonged/controlled release matrix tablets with hepatoprotective effect. The Licozinat matrix tablets satisfied the quality criteria [5].

Likewise, Volume 8 will also brim with information and research. Its primary focus will be Targeting ribonucleic acid (RNA), Protein Degradation, Human microbiome, Integration of Artificial intelligence in Drug development programmes and much more.

Our social media platforms are important medians between us and the scientific society. Sites such as Twitter, Facebook, LinkedIn, etc, allow easier transmission of knowledge between individuals of like minds.

Our Editorial Board members are highly proficient at providing a rapid and efficient editorial process and maintaining high standards within our publication. We would like to take this opportunity to thank you for the effort and expertise that you contribute to reviewing. For the success of any journal, reviewers are an essential part and therefore the reviewer's deserve sincere appreciation.

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\*Correspondence to: Mirko Omejc, Department of Abdominal Surgery, University of Slovenia, Slovenia; E-mail: mirko@gmail.com

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