

# Journal of Pharmaceutical Sciences & Technology Management

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## **Journal of Pharmaceutical Sciences & Technology Management**

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The Journal invites original research work dealing with multidisciplinary areas including, but not limited to, drug discovery, novel drug delivery systems (NDDS), pharmaceutical biotechnology, preclinical pharmacology, toxicology, formulation and pharmaceutical analysis. The main objective of the Journal is to publish studies related to 1) the design, synthesis and evaluation of new chemical entities (NCEs) as therapeutic agents, with main emphasis on the diseases of the tropical countries; 2) design, development and evaluation of novel drug delivery systems; 3) development and applications of methods and techniques involving marine biotechnology, enzyme immobilization, novel peptide design, enzyme kinetics, enzyme assays, etc.; 4) development of animal models of the disease and testing of NCEs, acute and subacute toxicity studies and drug metabolism studies; 5) preformulation studies of the New chemical entities (NCEs), evaluation of the polymorphic forms, etc.; 6) development and validation of analytical and bioanalytical methods; 7) computational studies leading to the enhanced understanding of the structure-activity relationships (SAR), mechanisms of action and related areas; 8) Novel pharmaceutical technology management, HR management, Innovative process management and Advanced sales & marketing strategies.

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## Editorial

It gives me great pleasure to present to you this very first issue of the sixth volume of the Journal of Pharmaceutical Sciences and Technology Management (JPSTM) 2022. This issue compiles a selection of the more recent developments that have taken place in the field of pharmaceutical sciences and technology management.

Bifeprunox has a very unique mechanism of action in the category of antipsychotics. The bifeprunox scaffold has superior atypical antipsychotic potency than many other medicines in the same class. The first article of the issue is titled “*Synthesis and Pharmacological Evaluation of 1-Biphenyl-4-yl-3-[4-(substituted phenyl)-piperazin-1-yl]-propan-1-one as Possible Atypical Antipsychotic Agents*”. In this article based on the properties of Bifeprunox, **Bahuguna and Suryawanshi** used molecular hybridization technique to design novel atypical antipsychotic agents and synthesized numerous substituted phenyl piperazines. Further, these were evaluated for their anti-dopaminergic activity and lower induction of extrapyramidal symptoms (EPS). The authors employed substituted phenyl piperazine on biphenyl with an acetyl linker. The authors examined the anti-dopaminergic, anti-serotonergic, and catalepsy effects of novel 1-Biphenyl-4-yl-3-[4-(substituted phenyl)-piperazin-1-yl]-propan-1-one derivatives.

As a direct consequence of the widespread spread of the COVID-19 pandemic, businesses operating in virtually every industry have been forced to innovate in some form. **Achyut Khire** in his article “*Role of Academia in (Open) Innovations – through Covid lens*” explains the significance of academia in bringing about breakthroughs during the Covid pandemic in innovation. This article discusses innovation management as well as the role of academia in open innovation platforms and/or R&D collaborations. Example of commercializing the m-RNA technology is discussed along with the case study of Oxford - Astra Zeneca vaccine. This review demonstrates the part that academic institutions can play in the process of developing new ideas.

Organizational objectives play an imperative role in developing organizational policies. In this context right implementation of strategic management methods are needed to ensure right utilizations of resources . In the recent years, the tools of scientific management have been used to increase the efficiency of many varied processes including pharmaceuticals.

The scientific management principles can be utilized to increase the effectiveness with which operations are carried out. **Subhrajit Paul** in his article “*Insight on Management Practices in Pharmaceutical Industry*” has discussed different management styles like autocratic, democratic and Laissez-faire management styles. The pharmaceutical industry is a highly organized, data-driven field of science and business. Various data sets that provide visibility for both short- and long-term results support and nurture management decisions.

We sincerely hope that the informative articles in this issue will be useful to the readers.

**Dr. Jagannath Sahoo**

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