

A Glimpse into the Diverse Horizons of Pharmacological Research: Insights From the Latest Issue

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Introduction

The latest issue of the “Journal of Pharmacology and Pharmacotherapeutics” brings forth a kaleidoscope of perspectives, ranging from the potential applications of ChatGPT in Pharmacology Education and Healthcare Research to the intricate details of specific drug interventions across various health conditions. In this editorial, we traverse the pages of this issue, offering a panoramic view of the diverse and groundbreaking research presented by esteemed contributors.

ChatGPT in Pharmacology Education and Research

Chetna Patel et al. present an intriguing narrative review of the perspectives of ChatGPT in Pharmacology Education and Healthcare Research. The article explores the symbiotic relationship between artificial intelligence and the pharmacological domain, shedding light on the transformative impact of ChatGPT in shaping the future of education and research. The integration of advanced technologies like ChatGPT opens new vistas for interactive and dynamic learning experiences, fostering a more engaging and informed generation of pharmacologists.

Unravelling Warfarin’s Complexity

GNK Ganesh et al. search into the intricate world of warfarin pharmacokinetics, focusing on the factors influencing the enantiomers of this widely used anti-coagulant. Their systematic review of population pharmacokinetics provides a comprehensive overview, underlining the importance of understanding individual variations in drug response. The insights gleaned from this research pave the way for a more nuanced and personalized approach to warfarin therapy,

addressing the challenges associated with its notorious variability.

Moringa oleifera in Parkinson’s Disease

Surya Singh et al. contribute a compelling study that explores the potential of *Moringa oleifera* in modulating mitochondrial dysfunction in a Parkinson’s mouse model. The *in silico* and *in vivo* analysis presented in their article sheds light on the promising neuroprotective effects of *Moringa oleifera*, suggesting avenues for further research in the realm of natural compounds as potential interventions for Parkinson’s disease.

Saroglitazar’s Potential in Non-alcoholic Steatohepatitis

Shanmugapriya et al. present a study evaluating the efficacy of Saroglitazar in a rat model of Non-Alcoholic Steatohepatitis (NASH) induced by a high fructose diet. The research underscores the potential therapeutic role of Saroglitazar in mitigating NASH, adding valuable insights to the ongoing pursuit of effective treatments for this increasingly prevalent liver condition.

Memantine’s Dual Impact on Arthritis and Memory

Raakhi Tripathi et al. contribute a novel perspective by investigating the anti-rheumatic and memory-enhancing effects of Memantine in a rat model of Rheumatoid Arthritis. The study compares Memantine to Methotrexate, revealing intriguing connections between arthritis and cognitive function. This dual impact opens avenues for exploring novel therapeutic strategies that address both rheumatoid arthritis and associated cognitive decline.



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Heparin Versus Enoxaparin in COVID-19 Treatment

Nurul Iska Idris et al. tackle the timely and crucial topic of treating COVID-19-associated coagulopathy. Their research compares the effectiveness, side effects, and costs of using Heparin and Enoxaparin. In the era of rapidly evolving treatment protocols for COVID-19, this study contributes valuable data to guide clinicians in making informed decisions regarding anti-coagulant therapy.

Fluoxetine and Escitalopram: Beyond Depression and Anxiety

Chetna Patel et al. explore the effects of fluoxetine and escitalopram on heart rate variability (HRV) and serum potassium levels in patients with depression and anxiety disorders. This research expands our understanding of the cardiovascular implications of these commonly prescribed anti-depressants, emphasizing the need for a comprehensive assessment of their effects beyond mood regulation.

Aristolochia bracteolata's Neuroprotective Potential

Swathy Govindaswamy et al. investigate the safety and neuroprotective potential of *Aristolochia bracteolata* extract in mice for Alzheimer's disease. The study provides valuable insights into the potential therapeutic benefits of this natural extract, addressing the urgent need for novel interventions in the realm of neurodegenerative diseases.

Terbinafine-induced Myositis: A Clinical Insight

Srikanth et al. present a case report on Terbinafine-induced Myositis, shedding light on a rare but clinically significant adverse effect. This case study underscores the importance of vigilant monitoring for potential complications associated with commonly prescribed medications, guiding clinicians in recognizing and managing drug-induced adverse events.

Expanding Horizons: Unveiling a Fresh Editorial Board

In the spirit of advancing the discourse on Pharmacology & Ethnopharmacology, the "Journal of Pharmacology and

Pharmacotherapeutics" is thrilled to announce the constitution of a dynamic new editorial board in the year 2024. Comprising esteemed experts at the forefront of pharmacological research and the intersection of traditional and modern medicine, our editorial board is poised to steer the journal towards greater heights. As we embark on this exciting chapter, we extend an earnest call to researchers, scholars, and practitioners to contribute their insights and discoveries to our upcoming issues. We invite submissions of original articles, reviews, and perspectives that probe into the rich areas of ethnopharmacology, exploring the integration of traditional knowledge with contemporary pharmacological approaches.

Conclusion

The latest issue of the "Journal of Pharmacology and Pharmacotherapeutics" stands as a testament to the multifaceted nature of pharmacological research. From the integration of ChatGPT in education to the intricacies of drug pharmacokinetics, the diverse array of articles presented in this issue collectively propels the field forward. As we absorb the insights and revelations shared by these esteemed contributors, it is evident that the future of pharmacology holds promise, driven by a commitment to precision, innovation, and a deep understanding of the complexities that govern drug responses in diverse therapeutic contexts. The journey continues, with each research endeavor contributing a unique piece to the ever-expanding puzzle of pharmacological knowledge. Together, let us weave a narrative that not only unveils the therapeutic potential of traditional remedies but also propels the field towards innovative and culturally sensitive healthcare solutions. We look forward to receiving your exciting contributions and collectively shaping the future of pharmacological research.

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