



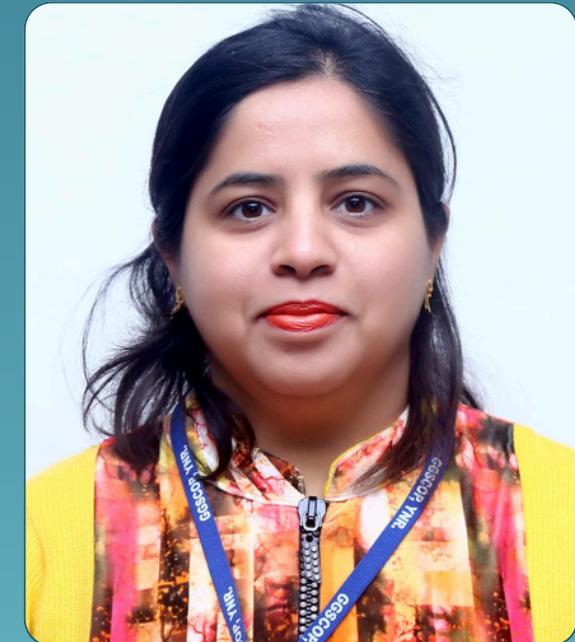
SUBMISSION DEADLINE:
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CALL FOR PAPERS FOR THEMATIC ISSUE

ARTIFICIAL INTELLIGENCE AND EMERGING TECHNOLOGIES
IN DRUG DISCOVERY AND SMART THERAPEUTICS

SCOPE OF THE ISSUE

The integration of artificial intelligence (AI) with emerging technologies is transforming the future of pharmaceutical research and healthcare. Traditional drug discovery processes are often lengthy, resource-intensive, and limited in predictive accuracy. With the rise of AI, machine learning, deep learning, quantum computing, big data analytics, and bioinformatics, researchers can now accelerate drug discovery pipelines, identify novel drug targets, optimize lead molecules, and predict therapeutic outcomes with higher precision. In parallel, advancements in nanotechnology, bioelectronics, and smart delivery systems are shaping the next generation of personalized and responsive therapeutics. This issue focuses on showcasing cutting-edge research and innovative approaches that leverage AI and digital technologies to advance drug design, development, and translational applications in clinical settings. Key themes include computational drug design, virtual screening, multi-omics integration, AI in clinical trials and pharmacovigilance, as well as the design of smart therapeutics for precision medicine. Contributions are also invited on ethical considerations, regulatory challenges, and industry-academia collaborations that highlight the opportunities and hurdles in adopting AI-driven strategies for global healthcare.



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