



## EDITORIAL

### NANOCARRIERS UNLOCKING NEXT-GEN DRUG DELIVERY

In the past few years, the area of pharmaceutical sciences has moved into a revolutionary stage, in which emphasis has been placed on targeted drug delivery systems rather than traditional dosage forms. Among these, nanocarriers have been a focus of interest as future agents to achieve better therapeutic specificity with reduced systemic toxicity. Their capacity for improving solubility, stability, and bioavailability of drugs has received significant interest from research and industry.

From liposomes and solid lipid nanoparticles to dendrimers and polymeric micelles, nanocarriers offer site-specific drug delivery, which makes them particularly valuable in therapeutic applications such as oncology, neurology, and infections. Developments like stimuli-responsive and ligand-targeted systems are breaking the mold, enabling drugs to be released only in the diseased tissue or upon specific physiological stimulus. Although promising, the challenges in regulatory approval, industrial-scale production, and long-term biocompatibility are still there. As researchers, we need to use translational research and strong interdisciplinary efforts to close these gaps.

At IRJPS, we believe that it is imperative to highlight such pioneering developments. The journal is dedicated to offering an evolving platform for novel and interdisciplinary pharmaceutical research. We keep broadening our reach by welcoming upcoming fields such as nanotechnology, green synthesis, AI-aided drug discovery, and personalized medicine.

We encourage authors to submit high-quality, original manuscripts that align with our mission to raise the journal to international publishing standards. Our editorial board is actively strengthening the peer-review process, broadening our reviewer base, and ensuring that each publication reflects the scientific rigor and relevance our readers expect.

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Indian Research Journal of Pharmacy and Science; 43(2025); 3242  
Journal Home Page: <https://www.irjps.in>