

# Approaches in Novel Herbal Drug Delivery System

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**Abstract:** *Due to its potential and minimal side effects, herbal medicines have been used to treat diseases since ancient times. However, obstacles in the identification, processing, standardisation, and extraction of herbal pharmaceuticals rarely prompt researchers to create new methods of delivering herbal medicines. The old and antiquated method of administering herbal medications to patients is the cause of their decreased effectiveness. Nowadays, a variety of innovative drug delivery systems (NDDS) are employed, including phytosomes, ethosomes, transferosomes, herbal transdermal patches, nanoparticles, and biphasic emulsions. The effectiveness and safety of herbal medications will enhance, along with the product's stability, thanks to a novel delivery method. With the use of these procedures, plant actives and extracts can be released gradually with better patient compliance and be used more specifically. This review provides a summary of the information on numerous cutting-edge methods for enhancing the efficacy and safety of phytomedicines, the types of active components utilised, biological activity, and the use of novel formulations of herbal pharmaceuticals to improve therapeutic response..*

**Keywords:** Herbal, Novel drug delivery system, herbal Pharmaceuticals, Liposomes, Phytosomes, Transferosomes, Ethosomes, Nanoparticles

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