

## Special Issue on **Nanodelivery Techniques for Natural Products for Improving Efficacy**

# CALL FOR PAPERS

Medicinal plants have been used by humans for thousands of years, often playing a crucial role as the first line of medication, and still today play an important part in the treatment of several diseases. In addition, a large number of modern drugs are derived from or inspired by molecules from nature.

Recently developed technology enables us to isolate and elucidate major and minor compounds from natural resources. By using high-throughput screening, an increasing number of plant extracts with different biological activities have been documented. Traditionally, medicinal plants were prepared by direct infusion or given as a raw product to patients. As such, the main challenge in the development of natural products is the delivery process, but with the development of new technologies in drug delivery, the preparation of medicinal plants can be improved to achieve the desired medicinal effect. The active component of medicinal plants has low absorption, resulting in low bioavailability and loss of efficacy, however, nanotechnology offers an innovative way to increase the bioavailability of modern drugs as well as medicinal plants. This process helps to increase bioavailability and to cross biological barriers, and a number of nanotechnology techniques have been studied in drug delivery, such as liposomes, nanoparticles, nanoemulsions, nanofibres, and nanoencapsulation forms.

The aim of this Special Issue is to provide a forum for researchers to share their original research and reviews on the improvement of the delivery of medicinal plants and their products using new currently available technology in drug delivery.

Potential topics include but are not limited to the following:

- ▶ New formulations of medicinal plants and their derivatives with improved delivery
- ▶ The use of nanotechnology in medicinal plant extracts and formulations of derivatives to enhance the delivery process
- ▶ New approaches of medicinal plant-based drug delivery
- ▶ Controlled release of herbal medicines
- ▶ Encapsulation of medicinal plants

Authors can submit their manuscripts through the Manuscript Tracking System at <https://review.hindawi.com/submit?specialIssue=411453>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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