Aims and Scope:

Today, with the increasing awareness of consumers and concerns about chemical and synthetic drugs and active molecules along with rising number of complicated diseases such as various cancers, there is a high attention to natural bioactive compounds and functional ingredients. In fact, people are looking for natural ingredients that can promote their health and protect their body. In modern lifestyle, it is not possible to have access to all of these bioactive components and they should be added into our daily required goods. On the other hand, processing and environmental conditions such as high temperatures, light, oxygen, pH, presence of other ingredients within the matrix, etc., can have unfavourable effects on these valuable ingredients. Another important issue is the bioavailability of bioactive ingredients: the real rate of an ingested bioactive compound which could be moved into our cells and provide health-promoting properties.

Nanoencapsulation has been emerged as a possible strategy in recent years to protect natural bioactive ingredients and to provide controlled/targeted delivery systems which can be utilized for various pharmaceutical, cosmetic and nutraceutical industries. In this thematic issue, different nanoencapsulation technologies applicable to natural bioactive components would be covered; also, some recent studies on application of nanocarriers loaded with bioactive ingredients for medicinal purposes along with their potentials in pharmaceutical, cosmetics, and nutraceutical fields will be provided.
Topics to be covered (main bioactive component):

- Application of different nanoencapsulation technologies for natural plant bioactive ingredients
- Recent studies on pharmaceutical application of nanoencapsulated bioactive components
- Formulation of cosmetics with nanoencapsulated natural bioactive ingredients
- Application of nanocarriers loaded with natural plant bioactive components in nutraceutical industries and functional foods
- Prevention and treatments of different diseases with nanocarriers loaded with natural plant bioactive ingredients

**Keywords:**

Nanoencapsulation; Bioactive ingredients; Pharmaceuticals; Cosmetics; Nutraceuticals.

**Schedule:** The final articles will be delivered by Manuscript Submission Deadline: January 2019.