

Special Issue on  
**Biotechnological and Therapeutic Application of Useful  
Plants in Endocrinal Disorder**

# CALL FOR PAPERS

The use of natural products in the remedies for health care and various diseases or traditional medicine has been around for a long time in many countries. Recent advances in the fields of natural products including various plants have been widely utilized in an aspect of biotechnology together with therapeutic applications. The active constituents isolated or characterized from natural products have been developed as the lead ingredients of novel pharmaceuticals, alternative medicines, and nutraceuticals. Consistent efforts are being paid to treating metabolic diseases, cardiovascular diseases, carcinoma, inflammatory diseases, and infection around the world using natural products. In the current issue, we will deal with recent investigations of endocrinal disorder related to a network of glands which produce or release hormones that regulate in cell and organ of body. Endocrinal disorder in human can be induced by alterations of genetic factors and the exposure to endocrine disrupting chemicals as environmental factors has an impact on human life. We hope that biotechnological and therapeutic application of useful plants and their active constituents may have efficacy to be developed as alternative remedies in curing endocrinal disorder in human disease.

We invite global investigators to submit their original research and review articles to this world class journal for its special issue involving biotechnological and therapeutic application using useful plants of natural products for controlling endocrine diseases including obesity/diabetes/hyperlipidemia related to metabolic syndrome, osteoporosis related to bone, thyroid disease, cardiovascular or renal diseases, and hormonal growth disorders. We are particularly interested in articles that investigate physiologic effects of the plants, its composition, and nutrients, using both *in vitro* and *in vivo* animal models, together with clinical trials.

Potential topics include but are not limited to the following:

- ▶ Recent investigations on control of endocrinal disorder in human diseases
- ▶ Analysis of plants along with their chemical characterization and nutritional effects involved in endocrinal disorder
- ▶ Studies on biotechnological approach of plants for the treatment of endocrinal disorder
- ▶ Studies on therapeutic approach of plants for the treatment of endocrinal disorder
- ▶ Mechanistic studies on endocrine diseases using *in vitro* and *in vivo* model systems
- ▶ Clinical trial efficacy of plants associated with endocrinal disorder
- ▶ Review and meta-analysis for the treatment of endocrinal disorder using plants
- ▶ Recent advances on plants for treating endocrinal disorder

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ecam/btanp/>.

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