



BioMed Research International

Special Issue on  
**Advances in Microalgal Biotechnology**

# CALL FOR PAPERS

Microalgae are sunlight driven single-cell factories for protein, lipids, carbohydrates, pigments, vitamins, minerals, and so forth. Microalgae have long been used as health food and additives for human consumption, as well as animal feed in aquaculture. Microalgae also prove to be beneficial to environmental cleanup such as bioremediation of industrial flue gases and waste water. Recently, due to the blooming of renewable energy, microalgal biofuels, biodiesel in particular, have attracted interest unprecedentedly. Also, microalgae emerge as promising hosts for the expression of recombinant proteins.

Nevertheless, tremendous challenges have been impeding commercial application of microalgae in many different ways. Innovations and breakthroughs are sought in microalgal biotechnology. This special issue invites contributions in the form of original research papers or review papers on every aspect of microalgal biotechnology, dedicated to both the understanding of the fundamentals and development of industry-oriented technologies.

Potential topics include, but are not limited to:

- ▶ Systems biology for microalgae
- ▶ Microalgal biofuels
- ▶ Microalgae for fine products
- ▶ Oil biosynthesis and regulation in microalgae
- ▶ Carotenoid biosynthesis and regulation in microalgae
- ▶ Advances in mass cultivation of microalgae
- ▶ Microalgae harvest technologies
- ▶ Microalgae-based bioremediation
- ▶ Other emerging technologies

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/biotechnology/ambi/>.

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