



Biosurfactants

Guest Editors:

Prof. Dr. Yoshie Maitani

Prof. Dr. Laurence G. Rahme

Prof. Dr. Jan Michiels

Deadline for manuscript
submissions:

closed (31 October 2010)

Message from the Guest Editors

Dear Colleagues,

Biosurfactants are surface-active substances synthesized by living cells. Biosurfactants constitute a variety of microbial extracellular lipids that are produced in large amounts from inexpensive natural sources.

Biosurfactants have been receiving increasing attention due to their unique properties: low toxicity, biodegradability, and biological activities, compared to chemically synthesized counterparts from an earth environmental point of view.

Biosurfactants enhance the solubilization and emulsification of hydrophobic substances and increase their availability for microbial degradation. These compounds can also be used in enhanced oil recovery and may be considered for other potential applications in environmental protection. Other applications include herbicides formulations, detergents, health care and cosmetics.

Prof. Dr. Yoshie Maitani
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI