



an Open Access Journal by MDPI

Supercritical Carbon Dioxide

Guest Editors:

Prof. Dr. Tomoko Matsuda

Tokyo Institute of Technology,
Graduate School of Bioscience
and Biotechnology, Department
of Bioengineering, 4259
Nagatsuta, Midori-ku, Yokohama,
226-850, Japan

Prof. Dr. Matthew Z. Yates

Department of Chemical
Engineering, University of
Rochester, Rochester, NY, USA

Deadline for manuscript
submissions:

closed (30 November 2010)

Message from the Guest Editors

Dear Colleagues,

Supercritical carbon dioxide has been recognized as a green solvent with high functionality as it possesses both gas-like low viscosities, high diffusivities, and liquid-like solubilizing power together with a tunability of these properties. The advantages of nonflammability, low toxicity and high availability have also promoted the development in applications using supercritical carbon dioxide. Importantly, these successes are owing to achievements of basic researches. Therefore, this special issue will present novel, unique and innovative application research as well as basic research with high quality concerning supercritical carbon dioxide to create new fields in its application. I also hope that this issue will contribute to build a sustainable society.

Tomoko Matsuda
Guest Editor



mdpi.com/si/309

Special Issue



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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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