



Wetlands Mapping: Challenges, Trends and Opportunities

Guest Editors:

Prof. Dr. Zhenguo Niu

Aerospace Information Research
Institute, Chinese Academy of
Sciences, Beijing 100094, China

Prof. Dr. Yinghai Ke

Beijing Laboratory of Water
Security, Base of the State Key
Laboratory of Urban
Environment Process and Digital
Modeling, Capital Normal
University, Beijing 100089, China

Prof. Dr. Dehua Mao

Northeast Institute of Geography
and Agroecology, Chinese
Academy of Sciences,
Changchun 130102, China

Deadline for manuscript
submissions:

closed (20 December 2023)

Message from the Guest Editors

Dear colleagues,

A combination of the increasing volume of high and very high resolution earth observation (EO) data available in an open access format; the significant progress made in terms of storage, management, processing and analysis of this information; and the advances in machine learning (such as artificial intelligence) tools has led to progress in the wetland mapping of various wetland classes using various scales of EO technologies.

Potential topics include but are not limited to:

- Application of big data on wetland inventories, evaluation and management.
- New algorithms, indicators and tools for wetland mapping.
- Development of new wetland-related datasets at local and regional scales.
- Wetland thematic mapping (surface water/mangroves/ coastal) related to reporting obligations, such as Ramsar or the SDG indicator 6.6.1 "Extent and trends of water-related ecosystems".

For more information, please visit: mdpi.com/si/141246



mdpi.com/si/141246

Prof. Dr. Zhenguo Niu

Prof. Dr. Yinghai Ke

Prof. Dr. Dehua Mao

Guest Editors

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)