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Electromagnetic Modeling in Microwave Remote Sensing

Guest Editors:

Dr. Pasquale Imperatore

Prof. Dr. Joel T. Johnson

Dr. Francesco Soldovieri

Prof. Dr. Daniele Riccio

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Message from the Guest Editors

Microwave remote sensing offers a unique capability for monitoring the natural processes and available resources on our Planet. Notwithstanding the considerable progress made in the development of different classes of microwave sensors and the rich multidimensional information they can provide, the full interpretation and exploitation of the empirical data remains a challenging task. Finding a quantitative relation between the observables and the natural parameters is a key-problem in remote sensing. Accordingly, electromagnetic modelling has a profound influence on the design of remote sensing applications, thus still posing challenging problems. This special issue aims at highlighting recent progress in electromagnetic modelling and its application to microwave remote sensing, with relevance for geoscience and environmental investigations.

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Editors-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

Message from the Editorial Board

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Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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remotesensing@mdpi.com
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