

## Special Issue

# Region Based Classification (RBC), Object Based Image Analysis (OBIA) and Deep Learning (DL) for Remote Sensing Applications

### Message from the Guest Editors

This Special Issue focuses on RBC steps for land use mapping under restricted availability of labeled training data, especially with DL methods. Alternatively, how to specify the segmentation parameters and features coupled with the configuration of standard classifiers (Random Forests, Support Vector Machines, Maximum Likelihood, and others), for improving RBC of Remote Sensing data. Submissions may relate to the following scientific questions (but not limited to):

- How to specify the best segmentation parameters as function of the classifier to be used, and the set of classes of interest?
- How to design a system to resolve hard to separate land cover classes?
- How to use DL methods for Region Based Classification?
- How to take in account semantics in RBC?
- How to take in account source data characteristics, like SAR and hyperspectral and/or multi-temporal into RBC processes?

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### Guest Editors

Dr. Luciano Vieira Dutra

Prof. Dr. Raul Queiroz Feitosa

Dr. Rogério Galante Negri

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### Deadline for manuscript submissions

closed (30 April 2019)



## Remote Sensing

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*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

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### Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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### Editor-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

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