

## Special Issue

# Progress and Challenges of Imagery Pattern Recognition for Natural Disasters Analysis

### Message from the Guest Editors

Natural disasters, such as floods, earthquakes, and droughts, are adverse events that often cause significant damage to both human life and infrastructure. In such adverse events, instant access to information may help to mitigate the damage. Gathering information on various aspects of the disasters, such as the damage to infrastructure (roads, communication lines, and other infrastructure), most affected areas, and the needs of those affected by a natural disaster, in a timely manner not only aids in the mitigation of the loss, but also facilitates a more rapid recovery. However, gathering such information is a challenging task due to a number of factors. Owing to the recent advances in image processing and pattern recognition technologies, large volumes of disaster-related imagery data can be automatically analyzed in order to extract critical information pertaining to different tasks. In this Special Issue, we welcome the submission of papers that present techniques (methods, tools, and ideas) that will contribute to the application of natural disaster analysis, which will ultimately facilitate an enhanced response to natural disasters.

### Guest Editors

Dr. Kashif Ahmad

Dr. Jebran Khan

Dr. Saqib Rasool Chaudhry

### Deadline for manuscript submissions

closed (31 December 2023)



## Journal of Imaging

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*Journal of Imaging*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jimaging@mdpi.com](mailto:jimaging@mdpi.com)

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### Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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### Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics, Systems and Communication, University of  
Milano-Bicocca, viale Sarca, 336, 20126 Milano, Italy

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