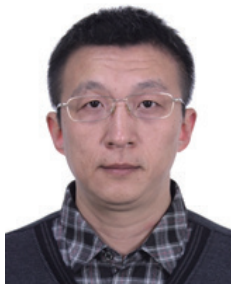# Special Issue on Advanced Methods and Devices for Remote Sensing

Preface

Remote sensing is a non-contact means of obtaining various types of data of the observed object, and earth observation is one of its most important application fields. The rise of new remote sensing sensors, platforms, and technologies such as light field imaging, multi-sensor fusion, and geospatial artificial intelligence (GeoAI)-based methods has led to new applications of remote sensing technology.

This special issue focuses on new remote sensing devices, advanced data processing/analysis methods, new applications of remote sensing, GeoAI, and big data in remote sensing. In fact, the Editorial Department of *Sensors and Materials* and we have had extensive and in-depth discussions with many scholars who have been engaged in this field for last decade and have a deep understanding of these issues, which is reflected in all the submitted papers.

This special issue contains 13 papers categorized into data acquisition, processing, analysis, and application. The first five papers are related to sensors, multi-sensor cooperation, and platforms. The next eight papers present how the new processing and analysis technologies can be applied in the field of remote sensing to solve problems in different applications.

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