

## Special Issue

# Effect of Mangrove Ecosystems on Coastal Ecology and Climate Change

### Message from the Guest Editors

Mangrove forests are highly productive and biologically significant ecosystems that provide a wide range of goods and services to society. Compared with other ecosystems, mangrove ecosystems have a much higher capacity for carbon sequestration and storage. Climate change, primarily driven by human activities, is occurring globally and poses significant threats to both humans and natural ecosystems. The carbon captured by mangrove ecosystems can help mitigate anthropocentric CO<sub>2</sub> emissions, making them crucial in addressing climate change and achieving sustainable development goals (SDGs). However, widespread deforestation and degradation have severely impacted mangroves. Since the 1980s, around 50% of the world's mangrove forests have been lost, putting them at great risk. Therefore, urgent action is needed to protect and restore mangroves globally. This Special Issue aims to explore the impacts of mangrove ecosystems on coastal ecology and climate change, providing scientific support for conservation efforts and the future development of coastal areas.

---

### Guest Editors

Dr. Yuhan Zheng

School of Life Sciences, Fudan University, Shanghai 200438, China

Dr. Junyu He

Ocean College, Zhejiang University, Zhoushan 316021, China

Dr. Qutu Jiang

Department of Geography, The University of Hong Kong, Hong Kong 999077, China

---

### Deadline for manuscript submissions

closed (31 July 2025)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/192488](https://mdpi.com/si/192488)

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

[mdpi.com/journal/  
forests](https://mdpi.com/journal/forests)





# Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/journal/  
forests](https://mdpi.com/journal/forests)



## About the Journal

### Message from the Editor-in-Chief

*Forests* (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

---

### Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,  
I-25121 Brescia, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

#### Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).