

Special Issue

Genomics Explores the Molecular Mechanisms of Plant Evolution, Adaptation, and Diversity

Message from the Guest Editor

The genomic era has transformed our understanding of plant evolution, revealing the molecular underpinnings of adaptation, diversification, and resilience across the tree of life. From pan-genomics and whole-genome duplications to landscape genomics and large-scale phylogenomic, recent advances are reshaping fundamental questions in plant biology—with special relevance for tropical biodiversity and conservation. This Special Issue invites original research articles and reviews addressing the mechanisms driving plant evolution, adaptation, and diversity through genomic approaches. We particularly encourage submissions focusing on phylogeography—integrating phylogenetic history, fossil records, and geographic distribution of lineages to uncover the origins, dispersal routes, and evolutionary trajectories of plant groups—as well as studies on non-model species, tropical flora, comparative genomics, climate adaptation, population genomics, and the integration of genomic data with biodiversity and conservation frameworks. I hope you can submit your work and help shape the future of plant genomics.

Guest Editor

Dr. Paulo José Fernandes Guimarães

Diretoria de Pesquisas, Instituto de Pesquisas Jardim Botânico do Rio de Janeiro, Rua Pacheco Leão, 915, Rio de Janeiro 2246-030, Brazil

Deadline for manuscript submissions

31 January 2027



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 5.0
Indexed in PubMed



mdpi.com/si/283470

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

mdpi.com/journal/cimb





Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 5.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Current Issues in Molecular Biology (CIMB, ISSN 1467-3045) is an international, peer-reviewed, open access journal established in 1999 and published monthly online by MDPI (from Volume 43 Issue 1-2021). *CIMB* publishes original research articles and comprehensive reviews on emerging and significant topics in molecular biology, covering all aspects of molecular biology and related interdisciplinary fields. We invite you to read recent articles published in *CIMB* and consider submitting your next research to the journal, particularly studies exploring mechanistic insights, translational applications, and interdisciplinary approaches across molecular biology.

Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Molecular Medicine, University of Otago,
Christchurch 8140, New Zealand

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPIus / SciFinder, FSTA, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2026).