

## Special Issue

# Methane Biosynthesis

### Message from the Guest Editors

This Special Issue invites contributions that explore the biochemical, ecological, and medical aspects of methanogenesis, including but not limited to the following: characterization of enzymes and their reaction mechanisms in methane metabolism; investigating respiratory growth in methanogens alongside fermentative pathways; elucidating electron transport processes coupled with energy conservation; understanding methanogen adaptation under diverse environmental conditions; exploring the role of methanogens in gut microbiota and their association with diseases; and strategies to regulate methane formation and oxidation to mitigate climate impact. By addressing these topics, this Special Issue aims to advance our knowledge of methanogenesis and its broader implications for energy, climate change, and human health. We welcome original research articles, reviews, and perspectives that contribute to this growing field.

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### Guest Editors

Dr. Divya Prakash

Dr. James Ferry

Dr. Shikha Singh Chauhan

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### Deadline for manuscript submissions

20 November 2025



## Cells

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Impact Factor 5.2  
CiteScore 10.5  
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## About the Journal

### Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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### Editors-in-Chief

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).