

## Special Issue

# Natural Compounds and Anesthesia

### Message from the Guest Editors

This Special Issue aims to collect original research articles and review papers that concern the study of the anaesthetic properties of natural compounds, as well as their neuroprotective effects, which could be related to the treatment of undesirable effects of anaesthesia or the improvement of mental health. We aim to bring together the most recent studies that use different experimental approaches in vivo or in vitro broadly related to:

- molecular and cellular responses to anaesthetic agents;
- cellular mechanisms of neuroprotective effects of natural compounds;
- mechanisms of cognitive impairments evoked by anaesthesia;
- therapeutic potential of flavonoids in the alleviation of side effects after anaesthesia.

Therefore, we invite all authors from the above mentioned fields to contribute with reviews and original research papers. Contributions concerning all kinds of anaesthetic agents, both natural and synthetics, are welcome, but only research papers dealing with well-characterized substances and a clear chemical composition will be considered for further processing.

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### Guest Editors

Dr. Agnieszka Zelek-Molik

Dr. Dorota Nieoczym

Prof. Dr. Magdalena Polak-Berecka

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### Deadline for manuscript submissions

closed (31 August 2024)



## Anesthesia Research

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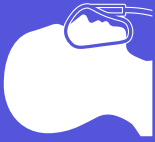


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*Anesthesia Research*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[anesthres@mdpi.com](mailto:anesthres@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Bruce D. Spiess  
Departments of Anesthesiology, University of Florida, Gainesville, FL,  
USA

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#### Author Benefits

##### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 15.7 days (median values for papers published in this journal in the second half of 2025).

##### Recognition of Reviewers:

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