

## Special Issue

# Neonatal Morbidity: Current Advances, New Perspectives and Future Challenges

### Message from the Guest Editors

Although significant advances have been achieved in perinatology and intensive neonatal care, rates of neonatal morbidity and adverse sequelae remain high.

Systematic antenatal care, the diagnosis and treatment of maternal infections, the detection of perinatal risk factors and focused neonatal care are key aspects of both reducing neonatal morbidity and improving neonatal prognosis. Intrapartum- and prematurity-related complications are closely related to neonatal morbidity.

This Special Issue is an update on current advances pertaining to the prevention, prevalence, risk factors, diagnosis, etiology, pathophysiology, treatment, as well as short- and long-term neurodevelopmental outcomes of several neonatal critical conditions. We encourage submissions that investigate and demonstrate new perspectives and discuss future challenges regarding neonatal morbidity. Finally, this Special Issue aims to highlight the pivotal role of the interdisciplinary team in the neonatal period, raise awareness of novel biomarkers and effective pharmacological and non-pharmacological therapies, and enhance the understanding of family dynamics in special populations.

---

### Guest Editors

Prof. Dr. Katerina Lykeridou

Department of Midwifery, School of Health and Care Sciences,  
University of West Attica, Athens, Greece

Dr. Dimitra Metallinou

Department of Midwifery, University of West Attica, 12243 Athens,  
Greece

---

### Deadline for manuscript submissions

closed (5 January 2025)



## Children

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



[mdpi.com/si/142096](https://mdpi.com/si/142096)

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

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





# Children

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 3.8  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Paul R. Carney

Departments of Child Health and Neurology, University of Missouri, 400 Keene Street, Columbia, MO 65211, USA

---

### Author Benefits

#### Open Access

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, and other databases.

#### Journal Rank:

JCR - Q2 (Pediatrics) / CiteScore - Q2 (Pediatrics, Perinatology and Child Health)