



children



an Open Access Journal by MDPI

Premature Infants: Latest Advances and Prospects

Guest Editor:

Dr. Deepak Jain

Division of Neonatology,
Department of Pediatrics,
Rutgers Robert Wood Johnson
Medical School, New Brunswick,
NJ 08901, USA

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Significant strides are continuously being made in the field of neonatal–perinatal medicine for the care of preterm infants. The focus in the second half of the last century was on improving survival and reducing severe morbidities with the help of antenatal steroids, surfactant replacement, and improved overall postnatal care; however, more recent advances have focused on reducing morbidities, improving longer-term outcomes, and better understanding the mechanisms of prematurity-associated complications. These advances include novel therapeutics such as stem cell therapy and probiotics; the use of newer diagnostic strategies such as machine learning, functional MRI, and point-of-care ultrasound; and advances in the monitoring and delivery of neonatal resuscitation.

This Special Issue, “Premature infants: Latest advances and prospects”, aims to advance current knowledge of contemporary strategies for improving the care of preterm infants. We welcome novel research studies from the bench to clinical practice, as well as reviews and commentaries, focusing on recent global advances in this field.



mdpi.com/si/159787

Special Issue



children



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul R. Carney

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

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.

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)

Contact Us

Children Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/children
children@mdpi.com