

Special Issue

Diagnosis and Prevention of Asthma in Children

Message from the Guest Editors

The high prevalence of asthma is still a worldwide concern. Some phenotypes of asthma are difficult to diagnose, which may lead to an inappropriate therapy prescription and consequent uncontrolled symptoms. Diagnosis is especially challenging in children, not only due to the fact that up to 50% of children up to 6 years old present any sort of wheezing, but also due to the associated lower reproducibility in spirometry tests. Therefore, further research is needed to promote asthma diagnosis and prevention. On one side, we must look into novel biomarkers and clinical technologies to improve asthma monitoring. Further solutions are also needed to predict therapy responsiveness, not only to corticosteroid therapy, but also to the relatively recent Th2 inflammation-inhibiting biologicals. On the perspective for disease prevention, we need to further explore the determinants and triggers of asthma in children, such as the impact of the environment, biodiversity, and diet on the immune system. This Special Issue invites the experienced researchers on the field to contribute to asthma prevention and diagnosis in children by providing their research findings and high academic outputs.

Guest Editors

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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