

Special Issue

Caries Management

Message from the Guest Editor

Dear colleagues, Young children demonstrate the highest caries burden across all age groups. Caries in primary teeth not only predicts caries in permanent teeth, but also predisposes individuals to various noncommunicable diseases in later life. Untreated caries in children remains a major global public health challenge. This may partly be due to their fear of the dental drill or anesthetic injection, or lack of co-operative ability during dental check-up and treatment because of their young age or specific disabilities. Uncontrolled initial caries may gradually worsen and become larger and symptomatic. Dental caries results from caries pathogens that produce acids from the decomposition of sugars to interrupt the tooth-surface mineralization balance and induce the demineralization of dental hard tissues. Based on the mechanism, caries is preventable and repairable by utilizing efficacious strategies that target the inhibition of caries pathogen biofilm formation, reduction of dental hard tissue demineralization, and promotion of remineralization. This Special Issue focuses on the current state of knowledge on childhood caries and innovative strategies for its management.

Guest Editor

Prof. Dr. Hai Ming Wong

Paediatric Dentistry and Orthodontics, Faculty of Dentistry, The University of Hong Kong, 34 Hospital Road, Hong Kong, China

Deadline for manuscript submissions

closed (31 August 2024)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/109295

*International Journal of
Environmental Research and
Public Health*

Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

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About the Journal

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.

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Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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