

Special Issue

Understanding Early Dysmetabolism in Adolescents: Bridging Research, Mechanisms and Clinical Management

Message from the Guest Editor

The rising prevalence of metabolic disorders—such as insulin resistance (IR), obesity, and type 2 diabetes (T2D)—in children and adolescents has become a critical global health challenge, underscoring the urgent need for early identification and intervention.

This Special Issue invites contributions that explore the underlying mechanisms of dysmetabolism in adolescents and highlight the potential for early biomarkers to inform both research and clinical practice. We aim to synthesize cutting-edge research investigating the biological pathways that contribute to metabolic disturbances in pediatric populations, taking into consideration genetic, environmental, and lifestyle factors.

We particularly encourage submissions that focus on early markers of dysmetabolism, from molecular indicators like IR to broader metabolic profiles. Studies integrating mechanistic insights with clinical management strategies are especially welcome. We also invite papers that explore innovative approaches to early detection and intervention, including lifestyle modifications and pharmacological treatments.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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