

Special Issue

Updates on Allergies and Immunodeficiencies

Message from the Guest Editors

Allergic diseases and immunodeficiencies are becoming a major health issue, affecting patients' quality of life and placing a substantial burden on healthcare systems worldwide. The pathogenesis of these conditions is driven by multiple factors including genetic predisposition, environmental factors, and intricate immune system dynamics. Over the last decades, advances in molecular diagnostics, component-resolved allergy testing, and targeted therapies have improved the understanding and management of allergic diseases. However, important gaps remain in identifying new allergens and allergen sources, understanding the immune mechanisms, developing reliable biomarkers, and translating research findings into clinical practice. Additionally, immunodeficiencies, whether primary or acquired, are often underdiagnosed or recognized late, leading to severe complications. Early detection and effective management are critical for improving patient outcomes and reducing healthcare burdens. This Special Issue aims to present a comprehensive overview of recent advancements in the fields of allergy and

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