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Preface

In recent years, the intersection of food science, nutrition, and health has emerged as a vital domain in addressing global challenges. Building upon the foundation of scientific innovation, this special issue delves deeper into the transformative potential of advancements in food science, nutrition, and health. Central to this exploration is the role of bioactive compounds, which have garnered significant attention for their ability to support disease prevention and promote overall well-being. Equally important are the strides made in sustainable food production systems, including plant-based oils, and alternative food sources, which align nutrition goals with environmental stewardship.

Moreover, this issue underscores the integration of cutting-edge technologies such as food processing and product development, which are reshaping the landscape of food and nutrition research. These tools not only enhance our understanding of dietary impacts on health but also enable the development of personalized nutrition strategies tailored to individual needs. By fostering interdisciplinary approaches and bridging the gap between research and practical application, the advancements highlighted in this issue reaffirm the vital role of food science and technology as well as nutrition in creating a more sustainable future. We hope this issue serves as both a source of inspiration and a catalyst for future research and collaboration.

Guest Editor-in-Chief

Yanty Noorzianna Abdul Manaf, Ph.D.

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