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## The Effects of Dietary Fat on Gut Microbiota and Metabolic Health

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Deadline for manuscript submissions:

**15 July 2024**

### Message from the Guest Editors

Dear Colleagues,

Non-transmissible chronic diseases (NTCDs) are a big concern worldwide, primarily due to persistent inflammation and altered food ingestion. In recent years, a substantial piece of research addressed the impact of nutrition on several NTCDs, such as metabolic syndrome (MS), type II diabetes mellitus, obesity, dyslipidemia, cardiometabolic disease, and related disorders. Food lipids are fundamental in this aspect, especially in metabolic syndrome, mediating the gut microbiota. The characteristics of consumed fatty acids are crucial in such diseases, mainly when we highlight the essential polyunsaturated fatty acids (PUFAs). Nutraceutical foods are essential in the action mechanisms of comorbidities since healthy lifestyles and food chemical characteristics can attenuate them. Genetic predisposition is strongly related to metabolic changes. Several pre-clinical and clinical studies have been developed to show the importance of such alterations over life, demonstrating the importance of nutrigenomic studies in animals and humans with novel results. Narrative systematic reviews or meta-analyses will also be accepted.



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# Special Issue



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## Message from the Editorial Board

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