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Databases, Nutrition and Human Health

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Message from the Guest Editors

Almost from the very beginnings of nutrition science, databases (in printed or electronic format) have been a fundamental tool in nutrition research, and in the evaluation and dietary planning of individuals and populations. This includes a wide range of databases, such as food composition databases, descriptor databases for use in standardized and structured languages to describe foods, food allergen databases, food intake databases, and even databases for decision-making in food safety and nutrition policies. The importance of databases has increased in recent decades due to the development of computing and big data analysis. Taking advantage of these advances, omics disciplines such as genomics or metabolomics have emerged, which also have their application in the field of nutrition and require specialized databases. Developments in fields such as semantic Web or artificial intelligence are likely to further increase the importance of high-quality and comprehensive databases. The aim of this Special Issue is to provide a broad overview of the applications of databases in nutrition, their development methodologies, as well as the quality requirements they must meet.



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Special Issue



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