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Scientific Insights and Technological Advances in Gluten Free Products Development

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Message from the Guest Editors

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Exploring alternative ingredients for the development of gluten-free products aiming to mimic the unique viscoelastic properties of gluten as a gas retention ingredient during fermentation, water binding and enabler of starch gelatinization on baking, and a bread flavor enhancer via gluten-related proteases is still a major field of research. Low specific volume, rapid staling, crumble and crumb structure, dry crumb, taste, and unbalanced nutritional profile are among the common defects in the final products associated with gluten absence.

This Special Issue addresses both new scientific insights and technological advances of gluten-free product development aiming to tackle the aforementioned issues.

Contributions pertinent to gluten-free cereals and pseudocereals, alternative protein sources, and other functional ingredients in view of their role in a gluten-free recipe, sourdough and the role of enzymes, as well as novel processes such as extrusion, microwave, fractionation on milling, germination, etc. that could have an impact on the quality of the final product both from the technological or nutritional point of view are particularly welcome.







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Message from the Editor-in-Chief

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