

Advanced Research in Genetically Modified Foods (GMF)

Call for Papers

Genetic engineering technology can introduce genes from any source directly into the local crop varieties used by farmers. First generation genetically modified crops have shown their potential to enhance agricultural productivity and reduce poverty in developing countries. A second generation of genetically modified crops is now under development that can address nutritional requirements contributing to intervention strategies. Almost 50% of the world's population is currently affected by malnutrition, often but not always related to poverty. Although there are many global initiatives promoting short and mid-term strategies that tackle poverty, food insecurity/malnutrition and disease, we need sustainable solutions. One possible strategy is known as biofortification, in which crops are modified or treated to accumulate additional nutrients at source. Future food security depends on our ability to improve the quality as well as the quantity of food and to reduce the global health burden of micronutrient deficiency disease. In this light, GMF could represent a strategy to enhance the content of micronutrients in foods.

GMF nutritional traits need to be combined with first-generation input traits for maximum benefit, and risk assessment to risk-benefit analyses are required.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring GMF.

Authors should read over the journal's [Author Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal [Paper Submission System](#).

Please kindly notice that the "**Special Issue**" under your manuscript title is supposed to be specified and the research field "**Special Issue - Advanced Research in Genetically Modified Foods (GMF)**" should be chosen during your submission.

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