

Special Issue

Genetic Resources for Sustainable Agriculture

Message from the Guest Editors

A wide variety of plant genetic resources (PGR) is the basis of food and nutrition security. However, mainstream agriculture currently depends on very little diversity, both in terms of the number of crop species cultivated and diversity within those crops. There is an urgent need to promote the conservation of crop diversity by showing its utility in sustainable agriculture through the development of materials characterized by improved efficiency in nutrients utilizations, yield stability, and resilience to cope with new challenges caused by the actual climate change scenario. The use of technologically advanced methods on PGR will help in achieving a better conservation and use of diversity for sustainable agriculture. This SI is thus focused on PGR promotion and use in sustainable agriculture, use in breeding for improved sustainability, genetic diversity characterization and conservation.

Guest Editors

Prof. Valeria Negri

Università degli Studi di Perugia, Dipartimento di Scienze Agrarie, Perugia, Italy

Dr. Lorenzo Raggi

Università degli Studi di Perugia, Dipartimento di Scienze Agrarie, Perugia, Italy

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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