

Special Issue

Old Germplasm for New Needs: Managing Crop Genetic Resources

Message from the Guest Editors

The impacts of climate change on crop production are already a reality worldwide. To mitigate these impacts, access to unexploited genetic crop diversity for the production of new varieties that can thrive in more extreme environmental conditions is of prime importance. Herein, genetic diversity should provide raw material for breeding and plant improvement. However, much of the germplasm richness found in gene banks is poorly documented. To overcome the barriers between germplasm conservation and use, a complete evaluation is necessary to find out the useful diversity they contain. This Special Issue will focus on “Old Germplasm for New Needs: Managing Crop Genetic Resources”. We welcome novel research, reviews, and opinion pieces covering all related topics including germplasm evaluation, crop genetics and improvement, novel crops, phenotyping, physiological responses of inbred lines, management solutions, modeling, case studies from the field, and policy positions.

Guest Editors

Dr. Gregorio Barba-Espín

Centro de Edafología y Biología Aplicada del Segura, CSIC, Grupo de Biotecnología de Frutales, Departamento de Mejora Vegetal, E-30100 Murcia, Spain

Dr. José Ramón Acosta-Motos

Biotechnology for Agriculture and Food Group, Campus de Los Jerónimos, Universidad Católica San Antonio de Murcia (UCAM), 30107 Murcia, Spain

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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