

# Sustaining the Future of Plant Breeding: The Critical Role of the Germplasm System

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Plant Genebanks: Present Situation and Proposals for Their Improvement. the Case of the Spanish Network. <i>Frontiers in Plant Science</i> , 2018, 9, 1794.	1.7	45
2	2017 Frank Meyer Medal for Plant Genetic Resources Lecture: Stewards of Our Agricultural Future. <i>Crop Science</i> , 2018, 58, 2233-2240.	0.8	12
4	Addressing Reproducibility in Cryopreservation, and Considerations Necessary for Commercialization and Community Development in Support of Genetic Resources of Aquatic Species. <i>Journal of the World Aquaculture Society</i> , 2018, 49, 644-663.	1.2	26
5	Identification of Founding Accessions and Patterns of Relatedness and Inbreeding Derived from Historical Pedigree Data in a White Clover Germplasm Collection in New Zealand. <i>Crop Science</i> , 2019, 59, 2087-2099.	0.8	7
6	A Road Map for Conservation, Use, and Public Engagement around North America's Crop Wild Relatives and Wild Utilized Plants. <i>Crop Science</i> , 2019, 59, 2302-2307.	0.8	20
7	Genetic Diversity of Bangladeshi Jackfruit ( <i>Artocarpus heterophyllus</i> ) over Time and Across Seedling Sources. <i>Economic Botany</i> , 2019, 73, 233-248.	0.8	14
8	Genomic Designing of Climate-Smart Pulse Crops. , 2019, , .		5
9	Genomic Designing for Climate-Smart Pea. , 2019, , 265-358.		3
10	Training in Plant Genetic Resources Management: A Way Forward. <i>Crop Science</i> , 2019, 59, 853-857.	0.8	5
11	Survey Identifies Essential Plant Genetic Resources Training Program Components. <i>Crop Science</i> , 2019, 59, 2308-2316.	0.8	5
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13	Trans Situ Conservation of Crop Wild Relatives. <i>Crop Science</i> , 2019, 59, 2387-2403.	0.8	14
14	Plants: Crop diversity pre-breeding technologies as agrarian care co-opted?. <i>Area</i> , 2020, 52, 235-243.	1.0	7
15	Combining ability of cytoplasmic male sterility on yield and agronomic traits of sorghum for grain and biomass dual-purpose use. <i>Industrial Crops and Products</i> , 2020, 157, 112894.	2.5	5
16	The problems of ex situ genetic conservation at the universities in developing countries: lesson learn from Universitas Gadjah Mada. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 482, 012043.	0.2	0
17	Field apple scab susceptibility of a diverse <i>Malus</i> germplasm collection identifies potential sources of resistance for apple breeding. <i>CABI Agriculture and Bioscience</i> , 2020, 1, .	1.1	26
18	Evaluation of diverse germplasm of cowpea [ <i>Vigna unguiculata</i> (L.) Walp.] against bruchid [ <i>Callosobruchus maculatus</i> (Fab.)] and correlation with physical and biochemical parameters of seed. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2020, 18, 120-129.	0.4	6
19	Old Ways, New Ways—Scaling Up from Customary Use of Plant Products to Commercial Harvest Taking a Multifunctional, Landscape Approach. <i>Land</i> , 2020, 9, 171.	1.2	8

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20	Making science more effective for agriculture. <i>Advances in Agronomy</i> , 2020, , 153-177.	2.4	34
21	Enhancing the searchability, breeding utility, and efficient management of germplasm accessions in the USDA~ARS rice collection. <i>Crop Science</i> , 2020, 60, 3191-3211.	0.8	11
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24	<i>Crop Science</i> special issue: Adapting agriculture to climate change: A walk on the wild side. <i>Crop Science</i> , 2021, 61, 32-36.	0.8	54
25	Optimization of in vitro germination and cryopreservation conditions for preserving date palm pollen in the USDA National Plant Germplasm System. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 223-232.	1.2	11
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27	Germplasm Collection, Genetic Resources, and Gene Pools in Alfalfa. <i>Compendium of Plant Genomes</i> , 2021, , 43-64.	0.3	2
28	Unraveling the Complex Hybrid Ancestry and Domestication History of Cultivated Strawberry. <i>Molecular Biology and Evolution</i> , 2021, 38, 2285-2305.	3.5	48
29	Omics resources and omics-enabled approaches for achieving high productivity and improved quality in pea ( <i>Pisum sativum</i> L.). <i>Theoretical and Applied Genetics</i> , 2021, 134, 755-776.	1.8	28
30	Tapping Diversity From the Wild: From Sampling to Implementation. <i>Frontiers in Plant Science</i> , 2021, 12, 626565.	1.7	23
32	Identification of new sources of heat tolerance in cultivated and wild tomatoes. <i>Euphytica</i> , 2021, 217, 1.	0.6	12
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34	Phenotypic Diversity and Productivity of <i>Medicago sativa</i> Subspecies from Drought-Prone Environments in Mediterranean Type Climates. <i>Plants</i> , 2021, 10, 862.	1.6	7
35	The UCR Minicore: a resource for cowpea research and breeding. , 2021, 3, e95.		26
36	Genetic Variability, Correlation among Agronomic Traits, and Genetic Progress in a Sugarcane Diversity Panel. <i>Agriculture (Switzerland)</i> , 2021, 11, 533.	1.4	9
37	Germplasm Conservation: Instrumental in Agricultural Biodiversity~A Review. <i>Sustainability</i> , 2021, 13, 6743.	1.6	23
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39	A Critical Review of the Current Global Ex Situ Conservation System for Plant Agrobiodiversity. I. History of the Development of the Global System in the Context of the Political/Legal Framework and Its Major Conservation Components. <i>Plants</i> , 2021, 10, 1557.	1.6	34
40	Breeding Driven Enrichment of Genetic Variation for Key Yield Components and Grain Starch Content Under Drought Stress in Winter Wheat. <i>Frontiers in Plant Science</i> , 2021, 12, 684205.	1.7	16
41	Combining abilities and elite germplasm enhancement across US public sorghum breeding programs. <i>Crop Science</i> , 0, , .	0.8	2
42	HTS-Based Diagnostics of Sugarcane Viruses: Seasonal Variation and Its Implications for Accurate Detection. <i>Viruses</i> , 2021, 13, 1627.	1.5	12
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47	Proso Millet ( <i>Panicum miliaceum</i> L.) Breeding: Progress, Challenges and Opportunities. , 2019, , 223-257.		20
49	Detection of Adaptive Genetic Diversity in Wild Potato Populations and Its Implications in Conservation of Potato Germplasm. <i>American Journal of Plant Sciences</i> , 2020, 11, 1562-1578.	0.3	5
50	Opportunities and Challenges to Improve a Public Research Program in Plant Breeding and Enhance Underutilized Plant Genetic Resources in the Tropics. <i>Genes</i> , 2021, 12, 1584.	1.0	2
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52	Effective Categorization of Tolerance to Salt Stress through Clustering Prunus Rootstocks According to Their Physiological Performances. <i>Horticulturae</i> , 2021, 7, 542.	1.2	10
53	Genomics of Plant Gene Banks: Prospects for Managing and Delivering Diversity in the Digital Age. <i>Population Genomics</i> , 2021, , 1.	0.2	0
54	Unlocking Plum Genetic Potential: Where Are We At?. <i>Horticulturae</i> , 2022, 8, 128.	1.2	7
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61	Exploring the diversity and genetic structure of the U.S. National Cultivated Strawberry Collection. <i>Horticulture Research</i> , 0, , .	2.9	10
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71	Identification of diverse agronomic traits in chickpea ( <i>Cicer arietinum</i> L.) germplasm lines to use in crop improvement. , 2023, 5, .		1
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73	A draft <i>Diabrotica virgifera virgifera</i> genome: insights into control and host plant adaption by a major maize pest insect. <i>BMC Genomics</i> , 2023, 24, .	1.2	2
74	Safeguarding and Using Fruit and Vegetable Biodiversity. , 2023, , 553-567.		0
75	Methods for Cryopreserving of Date Palm Pollen. <i>Springer Protocols</i> , 2023, , 519-525.	0.1	0

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77	Utilization of Wild Food Plants for Crop Improvement Programs. , 2023, , 259-288.		0
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87	Genetic Improvement of Pea ( <i>Pisum sativum</i> L.) for Food and Nutritional Security. , 2023, , 1-37.		0
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