

Zinc Biofortified Rice Varieties: Challenges, Possibilities

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous Biofortification of Rice With Zinc, Iodine, Iron and Selenium Through Foliar Treatment of a Micronutrient Cocktail in Five Countries. <i>Frontiers in Plant Science</i> , 2020, 11, 589835.	3.6	63
2	Stable SNP Allele Associations With High Grain Zinc Content in Polished Rice (<i>Oryza sativa</i> L.) Identified Based on ddRAD Sequencing. <i>Frontiers in Genetics</i> , 2020, 11, 763.	2.3	11
3	Genetic Manipulation for Improved Nutritional Quality in Rice. <i>Frontiers in Genetics</i> , 2020, 11, 776.	2.3	36
4	Genome-wide association mapping revealed numerous novel genomic loci for grain nutritional and yield-related traits in rice (<i>Oryza sativa</i> L.) landraces. <i>3 Biotech</i> , 2020, 10, 487.	2.2	11
5	Advances in Genetics and Breeding of Rice: An Overview. , 2021, , 1-29.		7
6	The Potential Impact of Climate Change on the Micronutrient-Rich Food Supply. <i>Advances in Nutrition</i> , 2022, 13, 80-100.	6.4	29
7	Identification of Promising RILs for High Grain Zinc Through Genotype \times Environment Analysis and Stable Grain Zinc QTL Using SSRs and SNPs in Rice (<i>Oryza sativa</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 587482.	3.6	26
8	The global challenge of hidden hunger: perspectives from the field. <i>Proceedings of the Nutrition Society</i> , 2021, 80, 283-289.	1.0	83
9	Grain Fe and Zn content, heterosis, combining ability and its association with grain yield in irrigated and aerobic rice. <i>Scientific Reports</i> , 2021, 11, 10579.	3.3	15
10	Enhancing health benefits of milled rice: current status and future perspectives. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8099-8119.	10.3	9
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13	Nutritional Value and Phytochemical Content of Crop Landraces and Traditional Varieties. , 0, , .		1
14	Biofortification of Cereals and Pulses Using New Breeding Techniques: Current and Future Perspectives. <i>Frontiers in Nutrition</i> , 2021, 8, 721728.	3.7	28
15	Dietary Zn deficiency, the current situation, and potential solutions. <i>Nutrition Research Reviews</i> , 0, , 1-44.	4.1	3
16	Innovative Technology Added Value in Reducing Rice Yield Gap in Tidal Land. <i>E3S Web of Conferences</i> , 2021, 316, 03018.	0.5	0
17	Zinc deficiency responses: bridging the gap between Arabidopsis and dicotyledonous crops. <i>Journal of Experimental Botany</i> , 2022, 73, 1699-1716.	4.8	16
18	Nutrient Adequacy of Global Food Production. <i>Frontiers in Nutrition</i> , 2021, 8, 739755.	3.7	4

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19	STUDY OF ALLELIC VARIATION AT GENOME WIDE SSR LOCI IN PARENTS OF MAPPING POPULATION FOR HIGH GRAIN ZINC IN RICE (<i>Oryza sativa</i> L.). <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2020, 8, 558-575.	0.4	0
20	Biofortified Wheat Increases Dietary Zinc Intake: A Randomised Controlled Efficacy Study of Zincol-2016 in Rural Pakistan. <i>Frontiers in Nutrition</i> , 2021, 8, 809783.	3.7	14
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39	FE-SEM/EDX Based Zinc Mobilization Analysis of <i>Burkholderia cepacia</i> and <i>Pantoea rodasii</i> and Their Functional Annotation in Crop Productivity, Soil Quality, and Zinc Biofortification of Paddy. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	12
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41	Promising rice genotypes with enhanced root growth and HMA transporter gene expression under zinc deficient conditions. <i>Journal of Plant Biochemistry and Biotechnology</i> , 0, , .	1.7	0
42	Agronomic Biofortification of Zinc in Rice for Diminishing Malnutrition in South Asia. <i>Sustainability</i> , 2022, 14, 7747.	3.2	6
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50	Transgenic approaches for nutritional quality improvement of cereals and pseudocereals. , 2023, , 285-313.		0
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52	Non-Biofortified Rice Variety Responds More to Zinc Fertilization Than Biofortified Variety in Terms of Zinc Translocation and Biofortification. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , .	3.4	1

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54	Screening of Eight Biofortified Rice Varieties Based on Total Content of Zinc and Iron as Well as Its Uptake by Caco-2 Cells: An In Vitro Cellular Model. <i>ACS Food Science & Technology</i> , 2023, 3, 1038-1048.	2.7	1
55	Rice biofortification: breeding and genomic approaches for genetic enhancement of grain zinc and iron contents. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	7
56	Minerals profile and nutraceutical factors in landraces and hybrid varieties of rice: A comparison. <i>Food Bioscience</i> , 2023, 53, 102779.	4.4	0
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64	Soil and foliar application of Zn enhances its biofortification, bioavailability and productivity in both biofortified and non-biofortified wheat varieties. <i>Journal of Food Composition and Analysis</i> , 2023, 124, 105691.	3.9	0
65	Genetic advantages of highland local rice in South Sumatra. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1230, 012130.	0.3	0
66	Edible crop production on polluted lands for biofortification. , 2024, , 85-130.		0
67	Characterization of heterogeneity in popular rice landrace through field and molecular evaluation. <i>Field Crops Research</i> , 2023, 304, 109181.	5.1	0
68	Historical shifting in grain mineral density of landmark rice and wheat cultivars released over the past 50 years in India. <i>Scientific Reports</i> , 2023, 13, .	3.3	1
69	Redesigning Rice as a Promising Nutraceutical Functional Food. , 2023, , 3-59.		0
70	Mapping QTLs for grain iron, zinc, and yield traits in advanced backcross inbred lines of Samba mahsuri (BPT5204)/ <i>Oryza rufipogon</i> . <i>Journal of Plant Biochemistry and Biotechnology</i> , 2024, 33, 68-84.	1.7	1

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72	Hedonic and mineral content of biofortified rice lines for tidal swamp areas. <i>AIP Conference Proceedings</i> , 2024, , .	0.4	0
73	Morpho-molecular and nutritional profiling for yield improvement and value addition of indigenous aromatic Joha rice of Assam. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
74	Stability of grain zinc concentrations across lowland rice environments favors zinc biofortification breeding. <i>Frontiers in Plant Science</i> , 0, 15, .	3.6	0
75	Dynamics of starch formation and gene expression during grain filling and its possible influence on grain quality. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
76	Redesigning Rice as a Promising Nutraceutical Functional Food. , 2024, , 1-57.		0