

# Genetic variability in Musa fruit provitamin A carotenoid micronutrient contents

Food Chemistry

115, 806-813

DOI: [10.1016/j.foodchem.2008.12.088](https://doi.org/10.1016/j.foodchem.2008.12.088)

Citation Report

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Considerations to prevent the breakdown and loss of fruit carotenoids during extraction and analysis in Musa. Journal of Chromatography A, 2009, 1216, 5759-5762.   | 1.8 | 15        |
| 2  | Carotenoid and riboflavin content of banana cultivars from Makira, Solomon Islands. Journal of Food Composition and Analysis, 2010, 23, 624-632.  | 1.9 | 48        |
| 3  | Agronomic, physical and chemical characterization of banana fruits. Crop Breeding and Applied Biotechnology, 2010, 10, 225-231.   | 0.1 | 11        |
| 4  | Influence of Pre- and Postharvest Factors on Î²-Carotene Content, Its in Vitro Bioaccessibility, and Antioxidant Capacity in Melons. Journal of Agricultural and Food Chemistry, 2010, 58, 1732-1740.                               | 2.4 | 8         |
| 5  | Carotenoid, flavonoid profiles and dietary fiber contents of fruits commonly consumed in Thailand. International Journal of Food Sciences and Nutrition, 2010, 61, 536-548.   | 1.3 | 34        |
| 7  | Nutrition indicator for biodiversity on food compositionâ€”A report on the progress of data availability. Journal of Food Composition and Analysis, 2011, 24, 692-698.  | 1.9 | 22        |
| 8  | VALIDATION OF RAPID (COLOUR-BASED) PRESCREENING TECHNIQUES FOR ANALYSIS OF FRUIT PROVITAMIN A CONTENTS IN BANANA (MUSA SPP.). Acta Horticulturae, 2011, , 161-168.  | 0.1 | 4         |
| 9  | The Role of Food and Nutrition System Approaches in Tackling Hidden Hunger. International Journal of Environmental Research and Public Health, 2011, 8, 358-373.  | 1.2 | 188       |
| 10 | VITAMIN A BIOFORTIFICATION IN MUSA: STATUS, BOTTLENECKS AND PROSPECTS. Acta Horticulturae, 2011, , 169-177.   | 0.1 | 6         |
| 11 | A Systematic Review on the Contributions of Edible Plant and Animal Biodiversity to Human Diets. EcoHealth, 2011, 8, 381-399.   | 0.9 | 63        |
| 12 | Study on Modification of the Banana Peel in the Extrusion. Advanced Materials Research, 0, 236-238, 2172-2178.  | 0.3 | 3         |
| 13 | Diversity in nutritional composition of Swiss chard ( <i>Beta vulgaris</i> subsp. L. var. <i>cicla</i> ) accessions revealed by multivariate analysis. Plant Genetic Resources: Characterisation and Utilisation, 2011, 9, 557-566. | 0.4 | 14        |
| 14 | Content and Retention of Provitamin A Carotenoids Following Ripening and Local Processing of Four Popular Musa Cultivars from Eastern Democratic Republic of Congo. Sustainable Agriculture Research, 2012, 2, 60.                  | 0.2 | 9         |
| 15 | Bioaccessibility of provitamin A carotenoids in bananas ( <i>Musa</i> spp.) and derived dishes in African countries. Food Chemistry, 2012, 133, 1471-1477.  | 4.2 | 47        |
| 16 | â€œA draft <i>Musa balbisiana</i> genome sequence for molecular genetics in polyploid, inter- and intra-specific <i>Musa</i> hybridsâ€• BMC Genomics, 2013, 14, 683.  | 1.2 | 159       |
| 17 | Diversifying Food and Diets. , 0, , .   |     | 106       |
| 18 | Teores de minerais em polpas e cascas de frutos de cultivares de bananeira. Pesquisa Agropecuaria Brasileira, 2014, 49, 546-553.  | 0.9 | 9         |
| 19 | Biochemical Profile of Leaf, Silk and Grain Samples of Eight Maize Landraces ( <i>Zea mays</i> ...L.) Cultivated in Two Low-Input Agricultural Systems. Journal of Food Biochemistry, 2014, 38, 551-562.                            | 1.2 | 7         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 20 | A systematic evaluation of protocols for a proteomics analysis of (lyophilized) fruit tissues. <i>Electrophoresis</i> , 2014, 35, 1395-1405.   | 1.3 | 7         |
| 21 | Utilization of Banana Peel as a Novel Substrate for Biosurfactant Production by Halobacteriaceae archaeon AS65. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 624-645.  | 1.4 | 51        |
| 22 | From crossbreeding to biotechnology-facilitated improvement of banana and plantain. <i>Biotechnology Advances</i> , 2014, 32, 158-169.   | 6.0 | 135       |
| 23 | Preparation of HIEs with controlled droplet size containing lutein. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 111-122.  | 2.3 | 33        |
| 24 | Profiles of carotenoids during post-climacteric ripening of some important cultivars of banana and development of a dry product from a high carotenoid yielding variety. <i>LWT - Food Science and Technology</i> , 2014, 55, 59-66. | 2.5 | 19        |
| 25 | Characterisation of metabolic profile of banana genotypes, aiming at biofortified <i>Musa</i> spp. cultivars. <i>Food Chemistry</i> , 2014, 145, 496-504.  | 4.2 | 47        |
| 26 | Contribution of Organically Grown Crops to Human Health. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 3870-3893.   | 1.2 | 85        |
| 28 | Provitamin A carotenoid content of unripe and ripe banana cultivars for potential adoption in eastern Africa. <i>Journal of Food Composition and Analysis</i> , 2015, 43, 1-6.   | 1.9 | 45        |
| 29 | Characterization, stability and rheology of highly concentrated monodisperse emulsions containing lutein. <i>Food Hydrocolloids</i> , 2015, 49, 156-163.   | 5.6 | 40        |
| 30 | Banana ( <i>Musa</i> spp) from peel to pulp: Ethnopharmacology, source of bioactive compounds and its relevance for human health. <i>Journal of Ethnopharmacology</i> , 2015, 160, 149-163.  | 2.0 | 216       |
| 31 | Household uses of the banana plant in eastern Democratic Republic of Congo. <i>Journal of Applied Bioscience</i> , 2016, 95, 8915.   | 0.7 | 3         |
| 32 | Nutritional and Biochemical Composition of Banana ( <i>Musa</i> spp.) Cultivars. , 2016, , 49-81.  |     | 13        |
| 33 | High-efficiency phenotyping for vitamin A in banana using artificial neural networks and colorimetric data. <i>Bragantia</i> , 2016, 75, 268-274.  | 1.3 | 7         |
| 34 | Contribution of indigenous foods towards nutrient intakes and nutritional status of women in the Santhal tribal community of Jharkhand, India. <i>Public Health Nutrition</i> , 2016, 19, 2256-2267.                                 | 1.1 | 32        |
| 35 | The Quest for Golden Bananas: Investigating Carotenoid Regulation in a Feâ€™i Group <i>Musa</i> Cultivar. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3176-3185.   | 2.4 | 34        |
| 36 | Exploring the Potential of Indigenous Foods to Address Hidden Hunger: Nutritive Value of Indigenous Foods of Santhal Tribal Community of Jharkhand, India. <i>Journal of Hunger and Environmental Nutrition</i> , 2016, 11, 548-568. | 1.1 | 36        |
| 37 | Bioactive compounds in banana and their associated health benefits – A review. <i>Food Chemistry</i> , 2016, 206, 1-11.  | 4.2 | 291       |
| 39 | Carotenoid Profiling in the Peel and Pulp of 36 Selected <i>Musa</i> Varieties. <i>Food Science and Technology Research</i> , 2017, 23, 603-611.   | 0.3 | 14        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 40 | Rapid and easy carotenoid quantification in Ghanaian starchy staples using RP-HPLC-PDA. <i>Journal of Food Composition and Analysis</i> , 2018, 67, 119-127.   | 1.9 | 15        |
| 41 | Comparative analysis of pigments in red and yellow banana fruit. <i>Food Chemistry</i> , 2018, 239, 1009-1018.   | 4.2 | 64        |
| 42 | Carotenoids in the pulp and peel of bananas from 15 cultivars in two ripening stages. <i>Revista Ceres</i> , 2018, 65, 217-226.  | 0.1 | 10        |
| 43 | Unravelling genetic make-up of some <i>Musa</i> hybrids and selected <i>Musa</i> accessions using molecular and morphological characterization. <i>International Journal of Genetics and Molecular Biology</i> , 2018, 10, 1-13. | 1.5 | 0         |
| 44 | Estimates of Indigenous Food Consumption and Their Contribution to Nutrient Intake in Oraon Tribal Women of Jharkhand, India. <i>Food and Nutrition Bulletin</i> , 2018, 39, 581-594.  | 0.5 | 20        |
| 45 | Bioactive compounds in banana fruits and their health benefits. <i>Food Quality and Safety</i> , 2018, 2, 183-188.   | 0.6 | 101       |
| 46 | Banana21: From Gene Discovery to Deregulated Golden Bananas. <i>Frontiers in Plant Science</i> , 2018, 9, 558.   | 1.7 | 29        |
| 47 | Ripening and cooking processes influence the carotenoid content in bananas and plantains ( <i>Musa</i> ). <i>Trends in Food Science and Technology</i> , 2018, 78, 1-10.   | 2.9 | 20        |
| 48 | Recent advances in banana ( <i>Musa</i> spp.) biofortification to alleviate vitamin A deficiency. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 3498-3510.   | 5.4 | 24        |
| 49 | Banana Ripening. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2019, , .   | 0.5 | 7         |
| 50 | Local traditional foods contribute to diversity and species richness of rural women's diet in Ecuador. <i>Public Health Nutrition</i> , 2019, 22, 2962-2971.   | 1.1 | 13        |
| 51 | Lycopene cyclases determine high $\beta$ -carotene ratio and increased carotenoids in bananas ripening at high temperatures. <i>Food Chemistry</i> , 2019, 283, 131-140.   | 4.2 | 25        |
| 52 | Integrated proteomic and metabolomic analysis suggests high rates of glycolysis are likely required to support high carotenoid accumulation in banana pulp. <i>Food Chemistry</i> , 2019, 297, 125016.                           | 4.2 | 25        |
| 53 | Variability of carotenoids in a <i>Musa</i> germplasm collection and implications for provitamin A biofortification. <i>Food Chemistry</i> , 2019, 283, 100024.  | 1.8 | 11        |
| 54 | Banana peel: is it useful for surgical suturing training?. <i>Journal of Physics: Conference Series</i> , 2019, 1358, 012018.  | 0.3 | 0         |
| 55 | Effects of In Vitro Polyploidization on Agronomic Characteristics and Fruit Carotenoid Content; Implications for Banana Genetic Improvement. <i>Frontiers in Plant Science</i> , 2019, 10, 1450.                                 | 1.7 | 9         |
| 56 | Exploring the differential mechanisms of carotenoid biosynthesis in the yellow peel and red flesh of papaya. <i>BMC Genomics</i> , 2019, 20, 49.   | 1.2 | 32        |
| 57 | Provitamin A carotenoid content of 48 plantain ( <i>Musa</i> AAB genome) cultivars sourced from eastern Democratic Republic of Congo. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 634-647.                | 1.7 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 61 | Potentials of Musa Species Fruits against Oxidative Stress-Induced and Diet-Linked Chronic Diseases: In Vitro and In Vivo Implications of Micronutritional Factors and Dietary Secondary Metabolite Compounds. <i>Molecules</i> , 2020, 25, 5036. | 1.7 | 10        |
| 62 | Carbohydrate and bioactive compounds composition of starchy tropical fruits and tubers, in relation to pre and postharvest conditions: A review. <i>Journal of Food Science</i> , 2020, 85, 249-259.  | 1.5 | 19        |
| 63 | Yield and nutritional evaluation of the banana hybrid "FHIA-18"™ as influenced by phosphate fertilization. <i>Journal of Plant Nutrition</i> , 2020, 43, 1331-1342.   | 0.9 | 1         |
| 64 | Provitamin A carotenoids in East African highland banana and other Musa cultivars grown in Uganda. <i>Food Science and Nutrition</i> , 2020, 8, 311-321.  | 1.5 | 8         |
| 65 | Climate Change Enhanced Carotenoid Pro-Vitamin A Levels of Selected Plantain Cultivars. <i>Plants</i> , 2020, 9, 541.   | 1.6 | 7         |
| 66 | Domestic cooking practices influence the carotenoid and tocopherol content in colored cauliflower. <i>Food Chemistry</i> , 2021, 340, 127901.   | 4.2 | 17        |
| 67 | Zinc and Iron Profiling in Edible Parts of Some Common Vegetable and Fruit Crops: An Exploration of Inter- and Intra-Crop Variation. <i>Agricultural Research</i> , 2022, 11, 421-428.  | 0.9 | 5         |
| 68 | Screening and Characterization of Phenolic Compounds from Australian Grown Bananas and Their Antioxidant Capacity. <i>Antioxidants</i> , 2021, 10, 1521.  | 2.2 | 41        |
| 69 | On-Farm Crop Diversity for Advancing Food Security and Nutrition. , 0, , .  |     | 4         |
| 70 | Genetic diversity in fresh fruit pulp mineral profile of 100 Indian Musa accessions. <i>Food Chemistry</i> , 2021, 361, 130080.   | 4.2 | 15        |
| 71 | Potential for engineering horticultural crops with high antioxidant capacity.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-22.  | 0.6 | 8         |
| 72 | RETENTION OF PROVITAMIN A CAROTENOIDS DURING POSTHARVEST RIPENING AND PROCESSING OF THREE POPULAR MUSA CULTIVARS IN SOUTH-WESTERN UGANDA. <i>Acta Horticulturae</i> , 2013, , 319-330.  | 0.1 | 7         |
| 73 | Sensory evaluation of provitamin A carotenoid-rich banana cultivars on trial for potential adoption in Burundi and Eastern Democratic Republic of Congo. <i>Fruits</i> , 2017, 72, 261-272.   | 0.3 | 9         |
| 74 | Progress update: Crop development of biofortified staple food crops under HarvestPlus. <i>African Journal of Food, Agriculture, Nutrition and Development</i> , 2017, 17, 11905-11935.  | 0.1 | 119       |
| 75 | Fluctuations of Production and Quality of Bananas Under Marginal Tropical Climate. <i>Journal of Agricultural Science</i> , 2019, 11, 108.  | 0.1 | 3         |
| 76 | Agronomic performance of provitamin A-rich banana cultivars in Burundi and the Democratic Republic of Congo. <i>African Journal of Agricultural Research Vol Pp</i> , 2021, 17, 1209-1220.  | 0.2 | 2         |
| 77 | Conclusion and Prospects in Musa Research. , 2012, , 298-319.   |     | 0         |
| 78 | Genetic variability and association pattern among quantitative nutritional traits in Swiss chard (Beta TJ ETQq1 1 0.784314 rgBT /Ove  | 0.1 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 79 | Fruit Ripening. SpringerBriefs in Food, Health and Nutrition, 2019, , 25-55.  | 0.5 | 1         |
| 80 | Fruit Morphological Characteristics and $\beta$ -carotene Content of Three Indonesian Dessert and Cooking Banana Cultivars. Biosaintifika: Journal of Biology & Biology Education, 2019, 11, 171-177. | 0.1 | 0         |
| 81 | Discrimination of Musa banana genomic and sub-genomic groups based on multi-elemental fingerprints and chemometrics. Journal of Food Composition and Analysis, 2022, 106, 104334.                     | 1.9 | 5         |
| 82 | $\beta$ -Carotene and lutein accumulation, and carotenoid biosynthetic gene expression during fruit development and fruit ripening of A genome banana. Scientia Horticulturae, 2023, 307, 111484.     | 1.7 | 3         |
| 83 | Metabolic profiling reveals genotype-associated alterations in carotenoid content during banana postharvest ripening. Food Chemistry, 2023, 403, 134380.  | 4.2 | 2         |
| 84 | Banana MaERF124 negatively modulates carotenoid accumulation during fruit ripening through repression of carotenogenesis genes. Postharvest Biology and Technology, 2023, 195, 112151.                | 2.9 | 9         |
| 85 | Plantain Bioactives: An Underutilised Food Resource in Africa. , 2023, , 187-211.   |     | 0         |
| 86 | Comparative analysis of the sensory acceptability of introduced Pro-Vitamin A-rich bananas in Eastern Africa. Fruits, 2022, 77, 1-10.   | 0.3 | 0         |
| 87 | Genome-wide identification, characterization, and evolutionary analysis of NBS genes and their association with disease resistance in Musa spp.. Functional and Integrative Genomics, 2023, 23, .     | 1.4 | 2         |
| 88 | Citrus improvement for enhanced mineral nutrients in fruit juice through interspecific hybridization. Journal of Food Composition and Analysis, 2023, 119, 105259.                                    | 1.9 | 0         |