



life



an Open Access Journal by MDPI

Fruit Breeding and Breeding

Guest Editors:

Prof. Dr. Nesibe Ebru Kafkas

Department of Horticulture,
Faculty of Agriculture, Cukurova
University, Adana, Turkey

Dr. Luca Mazzoni

Department of Agricultural, Food
and Environmental Sciences,
Università Politecnica delle
Marche, Via Breccia Bianche 10,
60131 Ancona, Italy

Deadline for manuscript
submissions:

closed (23 June 2023)

Message from the Guest Editors

Fruit breeding, the genetic improvement of fruit crops, has an ancient tradition that shares links with the domestication process. Millennial genetic improvement has been achieved by grower selection, first from natural seedling populations and then from seedlings that occurred naturally in grower fields with desirable genotypes fixed by vegetative propagation. In the middle of the 19th century, hybridization between elite genotypes was achieved, followed by the selection of segregating progeny. Conventional fruit breeding is based on the continuous selection of superior phenotypes from genetically variable populations, using cycles of hybridization and selection and special techniques, such as mutation induction, interspecific hybridization, and backcross breeding. Recently, biotechnology techniques have been employed, including in vitro propagation, embryo rescue, protoplast fusion, marker-assisted selection, and transgenesis. The Special Issue 'Fruit Breeding and Breeding' aims to highlight the latest improved methods and techniques used to investigate the research questions in genetic studies on fruit breeding in the current genomic era.



mdpi.com/si/148139

Special Issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)