

Special Issue

Solanaceae Plants Genetics

Message from the Guest Editors

The Solanaceae family, encompassing approximately 2700 species, plays a central role in our agricultural and cultural landscape. Among its economically significant crops are tomatoes (*Solanum lycopersicum*), potatoes (*Solanum tuberosum*), peppers (genus *Capsicum*), and eggplants (*Solanum melongena*). Beyond their culinary use, certain Solanaceae species—such as petunias and tobacco—have deep historical and cultural roots. This Special Issue invites research articles that showcase cutting-edge advancements in Solanaceae genetics. By delving into the uncharted diversity and unraveling the genetic underpinnings of complex traits—such as soil salinity tolerance, nutritional composition, flavor enhancement, and resistance to emerging pathogens—breeders can develop more productive, nutritional, and resilient varieties.

Guest Editors

Dr. Gustavo Rubén Rodríguez

1. Faculty of Agricultural Sciences, Campo Experimental Villarino, National University of Rosario, Zavalla S2125ZAA, Argentina
2. Institute for Agricultural Research of Rosario (IICAR-CONICET-UNR), Campo Experimental Villarino, National University of Rosario, Zavalla S2125ZAA, Argentina

Prof. Dr. Jaime Prohens

Institute for the Conservation and Improvement of Valencian Agrobiodiversity (COMAV), Universitat Politècnica de València, Camino de Vera s/n, 46022 Valencia, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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