

Special Issue

Legume Genetics and Biology: From Mendel's Pea to Legume Genomics

Message from the Guest Editors

The Fabaceae is the third largest family of flowering plants, with over 800 genera and 20,000 species. It is an extremely diverse family of worldwide distribution, from arctic alpine herbs, to annual xerophytes and forest trees. Legumes have played an important part in cropping systems since the dawn of agriculture. Their ability to symbiotically fix nitrogen and improve soil fertility has been rewarded since antiquity. Legumes have always been a part of everyday life, as human food and animal feed, being key protein sources. Peas have been extensively used in early hybridization studies, and they were the model organism of choice for Mendel's discovery of the laws of inheritance, making peas part of the foundation of modern genetics. Now, certain legume crops have well-studied genetic systems, while in many of these, comprehensive genetic analysis is limited due to the large size of their genomes. This Special Issue addresses/aims to provide up-to-date information on legume biology, genetic advances, and the legacy of Mendel.

Guest Editors

Prof. Dr. Petr Smýkal

Dr. Eric J. Bishop von Wettberg

Prof. Dr. Kevin McPhee

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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