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Legumes: Domestication, Plant-Microbe Interaction, Stress Resistance and Breeding

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Message from the Guest Editors

The legume family is one of the largest and most diverse group of plants, and legume crops, including soybean, beans, and other pulses, are major sources of human food and animal feed with rich nutrition today. They have also played a key role in sustainable agriculture systems, with their biological nitrogen fixation function, since ancient times. Moreover, grain legumes were domesticated in parallel with cereals in several regions of the world and formed the economic basis of early farming cultures, and great diversity in some legume crops has been retained since their domestication. However, their adaptation roles and utilization potentials are not clear in the changing climate and soil microbial environment. On the other hand, a variety of pathogens and stress factors severely affect the growth and development of leguminous plants, thereby affecting yield and quality. Hence, this Special Issue of *Plants* will connect plant diversity and stress resistance with the fields of genetics and breeding to deepen the knowledge of plant adaptation to biotic and abiotic stress, and discover the genes that can improve host tolerance for breeding utilization.













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Message from the Editor-in-Chief

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