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Advances in Plant Breeding

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Message from the Collection Editors

Along with classical breeding objectives and achievements, aimed at satisfying the current requirements of producers and farmers, traders, industry, market, and consumers or users, in this Special Issue we expect contributions about the use and application of innovative modern methodologies in plant breeding for the development of new crop varieties for current and future agriculture. This includes the development of varieties for suboptimal cultivation conditions to achieve sustainable agricultural production and increased food quality and security, but also to supply the raw materials for innovative industrial products and the living needs of mankind.

Keywords:

- conventional plant breeding
- objectives and methods of plant breeding
- genetic resources in plant breeding
- abiotic and biotic stress traits
- breeding for quality
- achievements and perspectives in plant breeding
- broadening the genetic base of crops
- conservation and use of genetic resources
- gene background
- hybridization
- polyploidy
- mutations
- inbreeding and heterosis
- biotechnology and molecular tools in plant breeding

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Message from the Editor-in-Chief

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We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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