Guest edited by: Turgay Ünver, Gabriel Dorado, Baohong Zhang

Special Issue Aims and Scope:

This special issue entitled “Genomics and transcriptomics for utilization of plant genetic resources and crop improvement” aims to focus in particular on genomics and transcriptomics studies in plant research. Recent advances in plant genomics have led to the development of new strategies to obtain genome, transcriptome and epigenome datasets for plant species. Therefore, by using next-generation sequencing technologies, several plant genome projects have been completed and many are ongoing. Genome research studies mainly focus on plant transposable elements, genome repeat contents, genome structures, organellar genomes, genomic rearrangements, chromatin modifications, gene annotations, RNA-Seq studies, and small RNA biology. Genome-wide sequencing and analyses lead to the development of new molecular markers such as SSR and SNP for specific applications. Analyses of the plant transcriptome of the genotypes enables the identification of new genes for important traits and helps us to understand the molecular mechanisms behind plant metabolism. The particular scope of this special issue meets the main interests of the journal in many aspects, such as the development of novel techniques for crop improvement, research on plant molecular biology and biotechnology and studies on plant breeding. Therefore, this special issue aims to focus at the following potential topics for review or research articles.

Potential topics of review or research include, but are not limited to:

- Genomics and Transcriptomics
- Epigenomics
- Functional Genomics
- Genetics and Crop Biotechnology
- Genotyping by Sequencing
- High-Throughput Sequencing Applications for Plants
- Tree Genomics
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Publication Date: Second half of 2014

Submission Process:

All manuscripts must be submitted electronically via the Internet to the Turkish Journal of Agriculture & Forestry through the online system for TÜBİTAK journals at <http://online.journals.tubitak.gov.tr/login.htm?TAR>. You will be guided stepwise through the creation and uploading of the various files. There are no page charges.

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