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Research Progress and Application Prospects of Microsatellites

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Message from the Guest Editors

Dear Colleagues,

In recent years, microsatellites—also known as simple sequence repeats (SSRs)—have gained considerable relevance for a large variety of biotechnological applications, including studies on diversity and evaluation of genetic relationships among individuals, germplasm management and fingerprinting, evolutionary studies, mapping of useful genes, construction of linkage maps, mapping of loci involved in quantitative traits, marker-assisted selections and backcrosses, population genetics, and phylogenetic studies. Numerous publications, aimed at SSR marker development and/or reporting their continuous application, confirm the current relevance of these molecular markers. This Special Issue in ‘Research Progress and Application Prospects of Microsatellites’ will provide an overview of recent developments and the automatization of technology related to SSR, as well as on the various potential applications of these markers in specific biomolecular research fields.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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