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Symposium

Biosystematics of polyploid plant complexes: progress, challenges, and prospects

Karol Marhold, Jan Suda

Scientific content of the symposium will concentrate on the following issues:

- introduction of the most recent advances, hot topics, problems and opportunities in polyploid research
- bridging from molecular level to population and ecosystem studies, with an emphasis to biosystematic implications
- the impact of genome duplication on delineation and organization of biological diversity
- challenges facing the biosystematic research (resolving complex low-level taxonomies in polyploid groups, delimiting polyploid species boundaries, detecting cryptic diversity)
- patterns and dynamics of model polyploid complexes
- integrating other disciplines (ecology, reproduction and pollination biology, etc.) and other evolutionary processes (e.g., hybridization) into the biosystematic studies of polyploid complexes
- new methodological tools and developments in the polyploid arena, their impact on plant biosystematics