

Workshop 2

Poster presentation

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Low levels of allozyme variability in threatened species of *Antirrhinum* L. Implications for conservation of the species.

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Aims 1.- To study and compare levels of genetic variation and its partitioning in three related species of *Antirrhinum* L., *A. subbaeticum*, *A. pertegasii* and *A. pulverulentum*. 2.- To check the hypothesis that species with small total population size have lower levels of genetic variability than bigger ones. 3.- To contribute to the development of conservation strategies of rare endemic species of *Antirrhinum*.

Methods: Parameters of genetic diversity and its partitioning, were obtained from 14 loci, after electrophoresis of allozymes performed in 177 individuals.

Key results: Genetic variabilities in *A. subbaeticum* and *A. pertegasii* are the lowest known for the genus, being strikingly different among them both the distribution of genetic diversity and the estimated levels of gene flow. Levels of total genetic diversity agree with the previous hypothesis. Strategies for the species conservation are recommended.