Caracterizarea polimorfismului molecular la câteva proveniențe de Echinacea şi Valeriana

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For molecular analysis we isolated DNA from eleven accessions of Valeriana and nine accessions of Echinacea genera. There were tested 23 decamer primers for DNA amplification. The amplification products (bands) were separated by electrophoresis in agarose gel and identified in UV lights. The best decamer primers were used, in combination of two, in order to identify polymorphic bands inside of different Echinacea and Valeriana accessions. The best of decamer primer combination used for DNA amplification were different in the two analysed genera. Some primer combinations expressed a good polymorphism, in especially in Valeriana genus, and with less confidence in Echinacea genus. Relying on molecular polymorphism characterisation we established genetic distances and phenetic relationships in the two genera.