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Nuclear DNA Contents of Some Endemic Hedysarum L. Species

Nükhet AKPINAR

Cumhuriyet University, Faculty of Arts and Science, Department of Biology, Sivas-TURKEY
Bayram YILDIZ

Balıkesir University, Faculty of Arts and Science, Department of Biology, Balıkesir-TURKEY

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 [Authors](#)

Abstract: The nuclear DNA contents and nuclear areas of some endemic Hedysarum L. species were investigated. A significant variation in the DNA content of Hedysarum species was established. The 2C nuclear DNA amount in the Hedysarum species ($x = 8$) ranged from approximately 4 to 6 picograms. It was found that the variation in the 2C nuclear DNA content was not related to chromosome numbers. However, there was a very high positive linear relationship between nuclear DNA content and nuclear area.



Key Words: Hedysarum, Nuclear DNA content, Nuclear area, Microspectrophotometry

bot@tubitak.gov.tr

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