

=== ORAL PRESENTATION ABSTRACTS ===

***In Vitro* Multiplication and Conservation of *Euphorbia Canariensis* L.**

Adriana Petruș-Vancea^{1,✉} and Andrei Fordon¹

The effect of deuterium depleted water (DDW) (25 ppm D) was studied on the second culture of *Euphorbia canariensis* L., to transfer *ex vitro*. At 18 months of *in vitro* culture, on medium which the distilled water (155 ppm D) was replaced with deuterium depleted water (25 ppm D) are found to the root system, plants are capable to transfer into to the soil, compared to control lot, rootedness, with acclimatization unfit plants. The chlorophyll and carotenoids pigments were increased in presence of DDW. At the end of the acclimatization, *ex vitro* survival rate was raised from 92% to plantlets provided from medium prepared with DDW.

¹University of Oradea, Faculty of Science, Biology Department, Romania.

✉ **Corresponding author: Adriana Petruș-Vancea** University of Oradea, Faculty of Science 1
Universității Str., 410087 Oradea, Romania,
E-mail: apetrus@uoradea.ro