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# **ABSTRACT BOOK КНИГА НА АПСТРАКТИ**

**REPTILE MEGALOPOLIS ON A SMALL ISLAND: POPULATION STUDIES ON  
 REPTILES ON THE ISLAND OF GOLEM GRAD**

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Population studies on three reptile species (*Testudo hermanni*, *Natrix tessellata* and *Vipera ammodytes*) were established in 2007 on a small island in Prespa Lake. The island of Golem Grad is part of the National Park "Galicica" and has a status of a strictly protected area. The research was done on the area of the whole island (plateau and beaches of approximately 20 ha) in three periods of the active season in six consecutive years. Since the beginning of the studies more than 1600 tortoises, 5000 dice snakes and 350 nose horned vipers were marked. These results of the CMR study are excellent matrix for precise estimation of the population density and size, indicating that these are among the densest populations of these species in the world. This suggests that the reptile populations on the island are prosperous and can be a model system for future ecology studies on reptiles in other parts of the country or elsewhere. Also the results can contribute to determine the protection status and conservation measures on national level for these species.

**Key words:** population studies, reptiles, island Golem Grad