Variation of ecological parameters of 6 populations of *Podarcis cretensis* in western Crete

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P. cretensis is a recently redescribed species of the genus, endemic to the island of Crete and satellite islands. Its distribution on the island is very particular: On Crete it is found only on the ¼ western part of the island and not on the major satellite islands whereas in eastern Crete it is present only on satellite islands.

The scope of this work was to study ecological parameters of 6 populations from western Crete, under the light of the recent phylogenetic findings.

The 6 populations belong to 3 of the formerly described subspecies. They are distributed in various biotopes: from sandy to rocky, from the north and south part of the island and from sea level to 1000m a.s.l.

The ecological parameters we studied are: thermoregulatory strategy (selected, body and operative temperatures), presence of ecto- and endoparasites, population density and aspects of predation pressure. Results are compared to the phylogenetic relationships of the populations as inferred from Cytochrome *b* sequences.

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