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Research Details :

Research Title : Seasonal metabolic compensation in the fringe-toed lizard, *Acanthodactylus boskianus* (Reptilia: Lacertidae)
Seasonal metabolic compensation in the fringe-toed lizard, *Acanthodactylus boskianus* (Reptilia: Lacertidae)

Descriptipn : 1. The standard metabolic rate (SMR) of *Acanthodactylus boskianus* was determined at 20, 25, 30 and 35 degrees C during winter and summer acclimatization, using constant pressure manometric respirometers. 2. Values for the exponent b of body mass in relation to metabolic rate ranged from 0.50 to 0.63. 3. Winter-acclimatized lizards of various body sizes had significantly higher Sh?Rs than summer-acclimatized lizards at tested temperatures. 4. The seasonal differences in metabolic rate may represent a useful adaptation, enabling *A. boskianus* to maintain activity during the moderate winter, and to conserve energy and possibly also water during the hot summer. Copyright (C) 1996 Elsevier Science Ltd

Research Type : Article

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