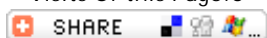




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Research Details :

Research Title : Effects of body mass and temperature on standard metabolic rate of the herbivorous desert lizard Uromastyx philbyi
Effects of body mass and temperature on standard metabolic rate of the herbivorous desert lizard Uromastyx philbyi

Descriptipn : The standard metabolic rate of Uromastyx philbyi was measured at 20-40 degrees C, using constant pressure manometric respirometers. Standard metabolic rate was mass-dependent. Values for the mass exponent b ranged from 0.75 at 20 degrees C to 0.82 at 40 degrees C. Standard metabolic rate increased as temperature increased with high Q_{10} values at low temperatures (20-25 degrees C). Low standard metabolic rates in this species are probably an adaptation to herbivory in hot desert environments. (C) 1996 Academic Press Limited

Research Type : Article

Research Year : 1996

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