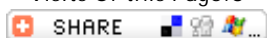




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## Research Details :

Research Title : Seasonal acclimatization in metabolic rate of the fan-fingered gecko, *Ptyodactylus hasselquistii* (Reptilia : Gekkonidae)  
Seasonal acclimatization in metabolic rate of the fan-fingered gecko, *Ptyodactylus hasselquistii* (Reptilia : Gekkonidae)

Descriptipn : The resting metabolic rate of the fan-fingered gecko *Ptyodactylus hasselquistii* of various body masses was determined in relation to ambient temperatures ranging from 20 to 35 degrees C during winter and summer acclimatization. Oxygen consumption (ml g(-1) h(-1)) decreased with increasing mass at each temperature. The intraspecific exponents of body mass in relation to metabolic rate ranged from 0.63 to 0.79. Winter-acclimatized geckos had significantly lower metabolic rates than summer-acclimatized geckos at different temperatures, especially at low temperature (20 degrees C). The pattern of acclimatization exhibited by *P. hasselquistii* may conserve energy during inactivity in winter and make activity more easily achieved during active seasons. (C) 1999 Elsevier Science Ltd. All rights reserved.

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