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Research Details :

Research Title : EFFECTS OF TEMPERATURE ON RESTING METABOLISM OF 2 SPECIES OF JUVENILE NOCTURNAL GECKOS, HEMIDACTYLUS-TURCICUS AND PTYODACTYLUS-HASSELQUISTII (REPTILIA, GEKKONIDAE) IN JEDDAH, SAUDI-ARABIA
EFFECTS OF TEMPERATURE ON RESTING METABOLISM OF 2 SPECIES OF JUVENILE NOCTURNAL GECKOS, HEMIDACTYLUS-TURCICUS AND PTYODACTYLUS-HASSELQUISTII (REPTILIA, GEKKONIDAE) IN JEDDAH, SAUDI-ARABIA

Descriptipn : 1. The resting metabolic rates of two species of juvenile geckos, Hemidactylus turcicus and Ptyodactylus hasselquistii, were determined at different temperatures from 20 to 35-degrees-C, using constant pressure manometric respirometers. 2. The metabolic rate-temperature curves for both species were similar in shape. 3. The resting metabolic rate of each species increased significantly with temperatures between 25 and 35-degrees-C. 4. Elevated resting metabolic mte at 20-degrees-C and a low Q10 at 20-25-degrees-C in these two species, were correlated with their thermoregulatory behaviour and ecology.

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