

A case of cannibalism in European Glass Lizard, *Pseudopus apodus*

Slučaj kanibalizma kod blavora, *Pseudopus apodus*

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Preying on conspecific may be more than obtaining one more meal. There are different explanations for this behaviour, and, additionally, cannibalism may have negative effects (Pough et al., 2001). Cannibalism is documented for other reptile species (Engeman et al., 1996, Çiçek et al., 2011 Lisičić et al. 2011), but it is not reported for *Pseudopus apodus*. Normal diet of this lizard consists of different invertebrates and occasionally vertebrates (Arnold & Ovenden, 2002). In this short report we present cannibalistic behaviour observed in *P. apodus*. During field work in vicinity of Split, Croatia, on May 22th, 2011 we found adult female of *P. apodus* laying in the meadow, partially hidden between 30 cm tall grass, 2 m from nearest bush, with conspecific juvenile protruding from its mouth (43°32'N; 16°31' E). It was 18:45 PM, clouded, with no wind. We measured animals and habitat characteristics before realising female to nearby bush (Table 1).

REFERENCES:

- Arnold, E. N., Ovenden, D. (2002): A field guide to the reptiles and amphibians of Britain and Europe. Harper Collins, London.
- Çiçek, K., Tayhan, Y., Hayretdağ, Ayaz, D., Tok, C.V. (2011): A case of cannibalism behaviour in Slow worm, *Anguis fragilis* (Reptilia: Anguidae) in Turkey. Biharean Biologist 5 (1): 76-77.
- Lisičić, D., Počanić, P., Lovrić, V., Derežanin, L., Tadić, Z. (2011): A case of cannibalism in *Hierophis gemonensis*: preying on conspecific adult. Hyla, 2: 35-36.
- Engeman, R. M., Rodda, G. H., Rodriguez, D. V., Linnell, M. A. (1996): Brown tree snake (*Boiga irregularis*) cannibalism. The Snake 27: 149-152.
- Pough, F. H., Andrews, R. M., Cadle, J. E., Crump, M. L., Savitzky, A. H., Wells, K. D. (2001): Herpetology, 2nd edn. Prentice-Hall, Inc., New Jersey.

Table 1. Some body dimensions, body and air temperature of reported finding of cannibalistic behaviour in *P. apodus*.

Tablica 1. Tjelesne mjere, tjelesne temperature i temperature zraka zabilježene tijekom opažanja kanibalizma kod *P. apodus*.

Individual	BL (cm)	SVL (cm)	Weight (g)	Mouth width (mm)	Max. body width (mm)	Body temp. °C	Air temp °C
Adult female (Predator)	87.4	33.9	275	17.67	20.74	25	22.4
Juvenile (Pray)	51.2	17.5	27.6	/	13.7	/	/



Figure 1. *Pseudopus apodus* feeding on conspecific juvenile (photo by Duje Lisičić)

Slika 1. *Pseudopus apodus* se hrani mladom jedinkom iste vrste (slikao Duje Lisičić)