



**Секция:  
Биоразнообразие и Екология**

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***Ecological Classification of the Amphibian and  
Reptilian Fauna in the City of Plovdiv***

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**Abstract.** The current study attempts to classify the amphibian and reptilian fauna in urban environment, characterized by: ecological plasticity and habitat preferences; temperature regime; humidity and level of synanthropy. Totally seven amphibian species (*Bufo bufo*, *Bufo viridis*, *Hyla arborea*, *Pelobates syriacus*, *Rana dalmatina* and *Pelophylax ridibundus*) and eight species of reptiles (*Mediodactylus kotschy*, *Lacerta virdis*, *Lacerta trilineata*, *Podarcis tauricus*, *Emys orbicularis*, *Natrix Natrix*, *N. tessellata* and *Dolichophis caspius*) are analyzed and classified in ecological groups according to the above-mentioned characteristics.