|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | | | | | Željko D. Popović | | | |
| **Title** | | | | | | | Associate Professor | | | |
| **Narrow scientific area** | | | | | | | Molecular Biology | | | |
| **Academic career** | | | Year | Institution | | | Area | Narrow scientific or art area | | |
| Election to the title | | | 2019 | Faculty of Sciences University of Novi Sad | | | Biology | Molecular Biology | | |
| PhD | | | 2014 | Faculty of Biology University of Belgrade | | | Biology | Molecular Biology | | |
| Master degree | | |  |  | | |  |  | | |
| Master diploma | | | 2007 | Faculty of Sciences University of Novi Sad | | | Biology | Functional Biology | | |
| Diploma | | | 2006 | Faculty of Sciences University of Novi Sad | | | Biology | Animal Physiology | | |
| **List of subjects the teacher is lecturing in doctoral studies** | | | | | | | | | | |
| **No.** | | **Mark** | | | **Subject name** | | | | | |
| 1. | | DNE004 | | | Extreme Biochemistry | | | | | |
| 2. | | DNB026 | | | Biochemical Markers of Disease | | | | | |
| The most significant papers, in compliance with the requirements of the additional requirements of the standard for the given field **(minimum 10, not more than 20)** | | | | | | | | | | |
|  |  | | | | | | | | |  |
|  | Kojić, Danijela, **Željko D. Popović**, Dejan Orčić, Jelena Purać, Snežana Orčić, Elvira L. Vukašinović, Tatjana V. Nikolić, and Duško P. Blagojević.(2018) The influence of low temperature and diapause phase on sugar and polyol content in the European corn borer *Ostrinia nubilalis* (Hbn.). *Journal of Insect Physiology* 109: 107-113. | | | | | | | | | M21a |
|  | Vukašinović, E.L., Pond, D.W., Grubor-Lajšić, G., Worland, M.R., Kojić, D., Purać, J., **Popović, Ž.D.** and Blagojević, D.P. (2018) Temperature adaptation of lipids in diapausing *Ostrinia nubilalis*: an experimental study to distinguish environmental versus endogenous controls. *Journal of Comparative Physiology* B, 188(1), pp.27-36. | | | | | | | | | M21 |
|  | **Željko D. Popović,** Ana Subotić, Tatjana V. Nikolić, Ratko Radojičić, Duško P. Blagojević, Gordana Grubor-Lajšić, Vladimír Koštál (2015) Expression of stress-related genes in diapause of European corn borer (*Ostrinia nubilalis* Hbn.) *Comp. Biochem. Physiol., Part B: Biochem. Mol. Biol.186:*1-7; | | | | | | | | | M21 |
|  | Elvira L. Vukašinović, David W. Pond, M. Roger Worland, Danijela Kojić, Jelena Purać, **Željko D. Popović**, Gordana Grubor-Lajšić (2015) Diapause induces remodeling of the fatty acid composition of membrane and storage lipids in overwintering larvae of *Ostrinia nubilalis*, Hubn. (Lepidoptera: Crambidae), *Comp. Biochem. Physiol., Part B: Biochem. Mol. Biol.*184:36-43; | | | | | | | | | M21 |
|  | Purać, J., Kojić, D., **Popović, Ž.D.,** Vukašinović, E., Tiziani, S., Gunther, U., Grubor-Lajšić, G., Metabolomic Analysis of Diapausing and Noni-diapausing Larvae of the European Corn Borer *Ostrinia nubilalis* (Hbn.) (Lepidoptera: Crambidae) (2015) Acta chimica Slovenica, 62(4), pp.761-767. | | | | | | | | | M23 |
|  | Melody S Clark, Michael AS Thorne, Jelena Purać, Gavin Burns, Guy Hillyard, **Željko D Popović**, Gordana Grubor-Lajšić, M Roger Worland (2009) Surviving the cold: molecular analyses of insect cryoprotective dehydration in the Arctic springtail *Megaphorura arctica* (Tullberg) *BMC Genomics* 10(1): 328; | | | | | | | | | M21 |
|  | Gordana Grubor-Lajšić, Edward T Petri, Danijela Kojić, Jelena Purać, **Željko D Popović**, Roger M Worland, Melody S Clark, Miloš Mojović, Duško P Blagojević (2013) Hydrogen peroxide and ecdysone in the cryoprotective dehydration strategy of *Megaphorura arctica* (Onychiuridae: Collembola), *Arch. Insect Biochem. Physiol.* 82(2): 59-70; | | | | | | | | | M22 |
|  | Kojić, D.; Pajević, S.; Jovanović-Galović, A.; Purać, J.; Pamer, E.; Škondrić, S.; Milovac, S.; **Popović, Ž.**; Grubor-Lajšić, G. (2012) Efficacy of natural aluminosilicates in moderating drought effects on the morphological and physiological parameters of maize plants (*Zea mays* L.) *J Soil Sci. Plant Nutr.*, 12 (1), 113-123; | | | | | | | | | M23 |
|  | **ŽD Popović**, Jelena Purać, Danijela Kojić, Elvira L Pamer, M Roger Worland, DP Blagojević, Gordana Grubor-Lajšić (2011) LEA protein expression during cold-induced dehydration in the arctic Collembola *Megaphorura arctica.* *Arch. Biol. Sci.* 63(3): 681-683; | | | | | | | | | M23 |
|  | D Kojić, J Purać, **ŽD Popović**, E Pamer, G Grubor-Lajšić (2010) Importance of body water management for winter cold survival of the European corn borer *Ostrinia nubilalis* Hübn.(Lepidoptera: Pyralidae*) Biotech*. & *Biotech*. *Eq*. SE 24(2): 648-654. | | | | | | | | | M23 |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | | |
| Total number of citations, without self-citations | | | | | | 104 | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | | 11 | | | | |
| Current participation in projects | | | | | | Domestic 1 | | | International 0 | |
| specialization | | | | | | 1. 2018. Szent Istvan University, Department for Aquaculture, Godollo, Hungary 2. 2014/15. Eötvös Loránd Univesrity, Department of Genetics, Budapest. 3. 2010/11. Biology Centre of the Czech Academy of Sciences in Ceske Budejovice, 4. 2008 (June-December) British Antarctic Survey, Cambridge, UK | | | | |
| Other information you consider to be important  Serbian Biological Society, Serbian Biochemical Society, Serbian Society for Molecular Biology, Serbian Chemical Society, Serbian Entomological Society, Serbian Society for Bioinformatics and Computational Biology | | | | | | | | | | |