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| **Name and family name** | | | | Jelena Purać | | | | | |
| **Title** | | | | Associate professor | | | | | |
| **Narrow scientific area** | | | | Molecular biology | | | | | |
| **Academic career** | | | Year | Institution | | Area | | Narrow scientific or art area | |
| Election to the title | | | 2015 | Faculty of Sciences, Novi Sad | | Biology | | Molecular biology | |
| PhD | | | 2009 | Faculty of Sciences, Novi Sad | | Biology | | Molecular biology | |
| Master diploma | | | 2005 | Faculty of Biology, Belgrade | | Biology | | Genetics | |
| Diploma | | | 2002 | Faculty of Biology, Belgrade | | Biology | | Molecular biology and physiology | |
| **List of subjects the teacher is lecturing in doctoral studies** | | | | | | | | | |
| **No.** | | **Mark** | | | **Subject name** | | | | |
| 1. | | DNB029 | | | Mechanisms of cellular stress responses | | | | |
| 2. | | DNB027 | | | Bioinformatics in the study of nucleic acids and proteins | | | | |
| 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)** | | | | | | | | | |
| 1. | Nikolić, T.V., Kojić, D., Orčić, S., Vukašinović, E.L., Blagojević, D.P., Purać, J.  Laboratory bioassays on the response of honey bee (Apis mellifera L.) glutathione S-transferase and acetylcholinesterase to the oral exposure to copper, cadmium, and lead (2019) Environmental Science and Pollution Research, 26 (7), pp. 6890-6897. | | | | | | | | M22 |
| 2. | Purać, J., Nikolić, T.V., Kojić, D., Ćelić, A.S., Plavša, J.J., Blagojević, D.P., Petri, E.T. Identification of a metallothionein gene in honey bee Apis mellifera and its expression profile in response to Cd, Cu and Pb exposure (2019) Molecular Ecology, 28 (4), pp. 731-745. | | | | | | | | M21a |
| 3. | Kojić, D., Popović, Ž.D., Orčić, D., Purać, J., Orčić, S., Vukašinović, E.L., Nikolić, T.V., Blagojević, D.P. The influence of low temperature and diapause phase on sugar and polyol content in the European corn borer Ostrinia nubilalis (Hbn.) (2018) Journal of Insect Physiology, 109, pp. 107-113. | | | | | | | | M21a |
| 4. | Vukašinović, E.L., Pond, D.W., Grubor-Lajšić, G., Worland, M.R., Kojić, D., Purać, J., Popović, Ž.D., Blagojević, D.P. Temperature adaptation of lipids in diapausing Ostrinia nubilalis: an experimental study to distinguish environmental versus endogenous controls (2018) Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 188 (1), pp. 27-36. | | | | | | | | M21 |
| 5. | Orčić, S., Nikolić, T., Purać, J., Šikoparija, B., Blagojević, D.P., Vukašinović, E., Plavša, N., Stevanović, J., Kojić, D. Seasonal variation in the activity of selected antioxidant enzymes and malondialdehyde level in worker honey bees (2017) Entomologia Experimentalis et Applicata, 165 (2-3), pp. 120-128. | | | | | | | | M22 |
| 6. | Nikolić, T.V., Kojić, D., Orčić, S., Batinić, D., Vukašinović, E., Blagojević, D.P., Purać, J. The impact of sublethal concentrations of Cu, Pb and Cd on honey bee redox status, superoxide dismutase and catalase in laboratory conditions (2016) Chemosphere, 164, pp. 98-105. | | | | | | | | M21 |
| 7. | Vukašinović, E.L., Pond, D.W., Worland, M.R., Kojić, D., Purać, J., Popović, Ž.D., Grubor-Lajšić, G. Diapause induces remodeling of the fatty acid composition of membrane and storage lipids in overwintering larvae of Ostrinia nubilalis, Hubn. (Lepidoptera: Crambidae) (2015) Comparative Biochemistry and Physiology Part - B: Biochemistry and Molecular Biology, 184, pp. 36-43. | | | | | | | | M21 |
| 8. | Purać, J., Kojić, D., Popović, Z.D., Vukašinović, E., Tiziani, S., Günther, U.L., 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 |
| 9. | Nikolić, T.V., Purać, J., Orčić, S., Kojić, D., Vujanović, D., Stanimirović, Z., Gržetić, I., Ilijević, K., Šikoparija, B., Blagojević, D.P. Environmental Effects on Superoxide Dismutase and Catalase Activity and Expression in Honey Bee (2015) Archives of Insect Biochemistry and Physiology, 90 (4), pp. 181-194. | | | | | | | | M22 |
| 10. | Vukašinović, E.L., Pond, D.W., Worland, M.R., Kojić, D., Purać, J., Blagojević, D.P., Grubor-Lajšić, G. Diapause induces changes in the composition and biophysical properties of lipids in larvae of the European corn borer, Ostrinia nubilalis (Lepidoptera: Crambidae) (2013) Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 165 (4), pp. 219-225. | | | | | | | | M21 |
| 11. | Grubor-Lajšić, G., Petri, E.T., Kojić, D., Purać, J., Popović, Z.D., Worland, R.M., Clark, M.S., Mojović, M., Blagojević, D.P. Hydrogen peroxide and ecdysone in the cryoprotective dehydration strategy of megaphorura arctica (Onychiuridae: Collembola) (2013) Archives of Insect Biochemistry and Physiology, 82 (2), pp. 59-70. | | | | | | | | M22 |
| 12. | Purać, J., Pond, D.W., Grubor-Lajšić, G., Kojić, D., Blagojević, D.P., Worland, M.R., Clark, M.S. Cold hardening induces transfer of fatty acids between polar and nonpolar lipid pools in the Arctic collembollan Megaphorura arctica (2011) Physiological Entomology, 36 (2), pp. 135-140. | | | | | | | | M22 |
| 13. | Clark, M.S., Thorne, M.A.S., Purać, J., Burns, G., Hillyard, G., Popović, Ž.D., Grubor-Lajšić, G., Worland, M.R. Surviving the cold: Molecular analyses of insect cryoprotective dehydration in the Arctic springtail Megaphorura arctica (Tullberg)  (2009) BMC Genomics, 10, art. no. 328. | | | | | | | | M21 |
| 14. | Purać, J., Burns, G., Thorne, M.A.S., Grubor-Lajšić, G., Worland, M.R., Clark, M.S.  Cold hardening processes in the Antarctic springtail, Cryptopygus antarcticus: Clues from a microarray (2008) Journal of Insect Physiology, 54 (9), pp. 1356-1362. | | | | | | | | M21a |
| 15. | Clark, M.S., Thorne, M.A.S., Purać, J., Grubor-Lajšić, G., Kube, M., Reinhardt, R., Worland, M.R. Surviving extreme polar winters by desiccation: Clues from Arctic springtail (Onychiurus arcticus) EST libraries (2007) BMC Genomics, 8, art. no. 475. | | | | | | | | M21 |
| **Cumulative data of scientific activity of the teacher:** 162 | | | | | | | | | |
| Total number of citations, without self citations | | | | | | 163 (Scopus, 02.04.2019.) | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | | 18 (02.04.2019.) | | | |
| Current participation in projects | | | | | | Domestic: 2 | International: / | | |
| Specialization | | | | | | British Antarctic Survey, Cambridge, UK, FP6-2003-NEST-B-1 project, sept. 2005- dec. 2007 | | | |
| Other information you consider to be important | | | | | | Membership: Serbian Biochemical Society, Serbian Biological Society, Serbian Chemical Society, Serbian Society for Molecular Biology | | | |