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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | Jelena Purać | | | | | | | |
| **Title** | | | Associate professor | | | | | | | |
| **Narrow scientific area** | | | Molecular biology | | | | | | | |
| **Academic career** | | Year | Institution | | | Narrow scientific field or art field | | | | |
| Election to the title | | 2015 | Faculty of Sciences, Novi Sad | | | Molecular biology | | | | |
| PhD | | 2009 | Faculty of Sciences, Novi Sad | | | Molecular biology | | | | |
| Master diploma | | 2005 | Faculty of Biology, Belgrade | | | Biology | | | | |
| Diploma | | 2002 | Faculty of Biology, Belgrade | | | Molecular biology and physiology | | | | |
| **A list of dissertations-doctoral art projects in which the teacher is or was a mentor in the past 10 years** | | | | | | | | | | |
| No. | Title of the dissertation – doctoral art project | | | Name of the candidate | | | \*submitted | \*\* defended | | |
| 1. | Molecular basis of honey bee (*Apis mellifera*, L*.*) response to heavy metal stress | | | Tatjana Nikolić | | |  | 2017 | | |
| \* Year in which the dissertation-doctoral art project was submitted (for dissertations-doctoral art projects in progress) \*\* The year in which the dissertation-doctoral art project was defended (only for dissertations-doctoral art projects from the previous period) | | | | | | | | | | |
| **Categorization of the publication of scientific papers in the field of the given study program according to the classification of the relevant Ministry of Education, Science and Technological Development and in accordance with the additional requirements of the standard for the given field (minimum 5 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 | | | | | | | | | | |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | | |
| 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 | | | | | |