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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | **Jelena Marković** | | | | | | | |
| **Title** | | | Assistant Professor | | | | | | | |
| **Narrow scientific area** | | | Histology with embryology | | | | | | | |
| **Academic career** | | **Year** | **Institution** | | | **Narrow scientific field or art field** | | | | |
| Election to the title | | 2014 | University of Novi Sad, Faculty of Sciences | | | Histology with embryology | | | | |
| PhD | | 2013 | University of Belgrade, Faculty of Biology | | | Molecular biology | | | | |
| Master diploma | | 2008 | University of Novi Sad, Faculty of Sciences | | | Functional biology | | | | |
| Diploma | | 2007 | University of Novi Sad, Faculty of Sciences | | | Molecular biology | | | | |
| **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. | Effect of acrylamide treatment on endocrine pancreas of the rats | | | Milena Stošić | | |  | | 2018 | |
| \* 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. | **Marković J**, Stošić M, Kojić D, Matavulj M. (2017) Effects of acrylamide on oxidant/antioxidant parameters and CYP2E1 expression in rat pancreatic endocrine cells. Acta histochem. 120:73-83. | | | | | | | | | М23 |
| 2. | Stošić M, Matavulj M, **Marković J.** (2018) Subchronic exposure to acrylamide leads to pancreatic islet remodeling determined by alpha cell expansion and beta cell mass reduction in adult rats. Acta histochem. 120:228-35. | | | | | | | | | М23 |
| 3. | Stošić M, Matavulj M, **Marković J.** (2018) Effects of subchronic acrylamide treatment on the endocrine pancreas of juvenile male Wistar rats. Biotech Histochem. 93:89-98. | | | | | | | | | М23 |
| 4. | **Marković J**, Uskoković A, Grdović N, Dinić S, Mihailović M, Jovanović JA, Poznanović G, Vidaković M. (2015) Identification of transcription factors involved in the transcriptional regulation of the CXCL12 gene in rat pancreatic insulinoma Rin-5F cell line. Biochem Cell Biol. 93:54-62. | | | | | | | | | М23 |
| 5. | **Marković J**, Grdović N, Dinić S, Karan-Djurašević T, Uskoković A, Arambašić J, Mihailović M, Pavlović S, Poznanović G, Vidaković M. (2013) PARP-1 and YY1 Are Important Novel Regulators of CXCL12 Gene Transcription in Rat Pancreatic Beta Cells. PLoS One. 8(3):e59679. | | | | | | | | | М21 |
| 6. | Mihailović M, Arambašić J, Uskoković A, Dinić S, Grdović N, **Marković J**, Bauder J, Poznanović G, Vidaković M. (2013) β-Glucan administration to diabetic rats alleviates oxidative stress by lowering hyperglycaemia, decreasing non-enzymatic glycation and protein O-GlcNAcylation. J Funct Foods. 5:1226-34. | | | | | | | | | М21а |
| 7. | Arambašić J, Mihailović M, Uskoković A, Dinić S, Grdović N, **Marković J**, Poznanović G, Bajec Đ, Vidaković M. (2013) Alpha-lipoic acid upregulates antioxidant enzyme gene expression and enzymatic activity in diabetic rat kidneys through an O-GlcNAc-dependent mechanism. Eur J Nutr*.* 52:1461-73 | | | | | | | | | М21 |
| 8. | Mihailović M, Arambašić J, Uskoković A, Dinić S, Grdović N, **Marković J**, Mujić I, Šijački D.A, Poznanović G, Vidaković M. (2013) β-Glucan administration to diabetic rats reestablishes redox balance and stimulates cellular pro-survival mechanisms. J Funct Foods. 5:267-78. | | | | | | | | | М21а |
| 9. | Dinić S, Arambašić J, Mihailović M, Uskoković A, Grdović N, **Marković J**, Karadžić B, Poznanović G, Vidaković M. (2013) Decreased O-GlcNAcylation of the key proteins in kinase and redox signalling pathways is a novel mechanism of the beneficial effect of α-lipoic acid in diabetic liver. Br J Nutr. 110:401-12. | | | | | | | | | М21 |
| 10. | Uskoković A, Mihailović M, Dinić S, Arambašić Jovanović J, Grdović N, **Marković J**, Poznanović G, Vidaković M. (2013) Administration of a β-glucan-enriched extract activates beneficial hepatic antioxidant and anti-inflammatory mechanisms in streptozotocin-induced diabetic rats. J Funct Foods. 5:1966-74. | | | | | | | | | М21а |
| 11. | Mihailović M, Arambašić J, Uskoković A, Dinić S, Grdović N, **Marković J**, Poznanović G, Vidaković M. (2012) Alpha-lipoic acid preserves the structural and functional integrity of red blood cells by adjusting the redox disturbance and decreasing O-GlcNAc modifications of antioxidant enzymes and heat shock proteins in diabetic rats. Eur J Nutr. 51:975-86. | | | | | | | | | М21 |
| 12. | Grdović N, Dinić S, Arambašić J, Mihailović M, Uskoković A, **Marković J**, Poznanović G, Vidović S, Zeković Z, Mujić A, Mujić I, Vidaković M. (2012) The protective effect of a mix of Lactarius deterrimus and Castanea sativa extracts on streptozotocin-induced oxidative stress and pancreatic β-cell death. Br J Nutr. 108:1163-76. | | | | | | | | | М21 |
| 13. | Dinić S, Uskoković A, Mihailović M, Grdović N, Arambašić J, **Marković J**, Poznanović G, Vidaković M. (2013) Ameliorating effects of antioxidative compounds from four plant extracts in experimental models of diabetes. J Serb Chem Soc. 78(3):365-80. | | | | | | | | | М23 |
| 14. | Matić S, Stanić S, Bogojević D, Vidaković M, Grdović N, Arambašić J, Dinić S, Uskoković A, Poznanović G, Solujić S, Mladenović M, **Marković J**, Mihailović M. (2011) Extract of the plant Cotinus coggygria Scop. attenuates pyrogallol-induced hepatic oxidative stress in Wistar rats. Can J Physiol Pharmacol. 89:401-11. | | | | | | | | | М22 |
| **Cumulative data of scientific activity of the teacher** | | | | | | | | | | |
| Total number of citations, without self citations | | | | | **121** | | | | | |
| Total number of papers on the SCI (or SSCI) list | | | | | **14** | | | | | |
| Current participation in projects | | | | | Domestic 1 | | | International 1 | | |
| Specialization: Veterinary Medicine University Vienna, Vienna, Austria, February 2nd - February 28th 2008 | | | | | | | | | | |