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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name and family name** | | | **Jelena Marković** | | | | | | |
| **Title** | | | Assistant Professor | | | | | | |
| **Narrow scientific area** | | | Histology with embryology | | | | | | |
| **Academic career** | | **Year** | **Institution** | | | **Area** | **Narrow scientific or art area** | | |
| Election to the title | | 2014 | University of Novi Sad, Faculty of Sciences | | | Biology | Histology with embryology | | |
| PhD | | 2013 | University of Belgrade, Faculty of Biology | | | Biology | Molecular biology | | |
| Master diploma | | 2008 | University of Novi Sad, Faculty of Sciences | | | Biology | Functional biology | | |
| Diploma | | 2007 | University of Novi Sad, Faculty of Sciences | | | Biology | Molecular biology | | |
| **List of subjects the teacher is lecturing in doctoral studies** | | | | | | | | | |
| **No.** | **Mark** | | | **Subject name** | | | | | |
| 1. | DNB016 | | | Cell determination and differentiation | | | | | |
| 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. | **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. | | | | | | | | M23 |
| 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. | | | | | | | | M23 |
| 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. | | | | | | | | M23 |
| 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. | | | | | | | | M23 |
| 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. | | | | | | | | M21 |
| 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. | | | | | | | | M21a |
| 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. | | | | | | | | M21 |
| 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. | | | | | | | | M21a |
| 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. | | | | | | | | M21 |
| 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. | | | | | | | | M21a |
| 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. | | | | | | | | M21 |
| 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. | | | | | | | | M21 |
| 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. | | | | | | | | M23 |
| 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. | | | | | | | | M22 |
| **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 | | | | | | | | | |