

Ana-Marija Domijan, Associate Professor, Faculty of Pharmacy and Biochemistry, University of Zagreb

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Five selected publications:

1. Domijan A-M, Kovac S, Abramov AY. 2012. Impact of fumonisin B1 on glutamate toxicity and low magnesium induced seizure activity in neuronal co-culture. *Neuroscience*. 202: 10-16.
2. Rogulj D, Konjevoda P, Milić M, Mladinić M, Domijan A-M. 2012. Fatty liver index as an indicator of metabolic syndrome. *Clinical Biochemistry*. 45: 68-71.
3. Šegvić Klarić M, Želježić D, Rumora L, Peraica M, Pepeljnjak S, Domijan A-M. 2012. A potential role of calcium in apoptosis and aberrant chromatin forms in porcine kidney PK15 cells induced by individual and combined ochratoxin A and citrinin. *Archives of Toxicology*. 86: 97-107.
4. Kovac S, Domijan A-M, Walker MC, Abramov AY. 2012. Prolonged seizure activity impairs mitochondrial bioenergetics and induces cell death. *Journal of Cell Science*. 125: 1796-1806.
5. Domijan A-M, Abramov AY. 2011. Fumonisin B₁ inhibits mitochondrial respiration and deregulates calcium homeostasis – implication to mechanism of cell toxicity. *International Journal of Biochemistry and Cell Biology*. 43: 897-904.

Other papers: in total 50 scientific papers in international scientific journals

List of publication at <https://bib.irb.hr/lista-radova?autor=222653>

Work experience: 2013-now associate professor (Faculty of Pharmacy and Biochemistry, University of Zagreb); 2008–2013 assistant professor (Faculty of Pharmacy and Biochemistry, University of Zagreb); 1998-2008 research associate/assistant (Institute for Medical Research and Occupational Health, Zagreb, Croatia)

Education: 2005 PhD in Biomedical Science (Medical Biochemistry) Faculty of Pharmacy and Biochemistry, University of Zagreb; 2001 MSc in Biology (Toxicology) Faculty of Science, University of Zagreb; 1997 BSc in Medical Biochemistry, Faculty of Pharmacy and Biochemistry, University of Zagreb

Training: 2009-2010 University College London, UK (10 months) on PostDoc scholarship supported by HRZZ; 2007 University of Copenhagen, Denmark (2 months) scholarship by ECNIC (EU-FP6). **Training courses:** 2002 (10 days) 9th Risk Assessments Summer School organised by International Union of Toxicology (IUTOX); 2000 (10 days) Regional Training course on development of Quality Assurance for Mycotoxin analysis of Food and Feed organised by IAEA and FAO

Research and other project:

2009-2010 principal investigator “The involvement of oxidative stress in fumonisin B₁ neurotoxicity” (PostDoc grant by HRZZ)

2007-2013 researcher on the project “Toxic effects of mycotoxins to humans and animals” founded by Ministry of Science, Education and Sports of the Republic of Croatia (PI: M. Peraica)

2002-2006 researcher on the project “Impact of mycotoxins on humans and animals” founded by Ministry of Science, Education and Sports of the Republic of Croatia (PI: R. Fuchs)

1999-2000 researcher on the project “Mycotoxins as causative agents of oesophageal carcinoma” Croatian-Italian bilateral project (PI: M. Peraica)

1998-1999 researcher on the project “Mycotoxins as causative agents of oesophageal carcinoma” Croatian-Italian bilateral project (PI: R. Pleština)

1998-2001 researcher on the project “Mycotoxins and their impact on humans and animals” founded by Ministry of Science of the Republic of Croatia (PI: R. Fuchs)

Teaching: Cell Biology - Undergraduate study programme (BSc)

Mentorship: one defended doctoral dissertation; 18 graduation thesis

Membership in science organizations and bodies: Croatian Toxicological Society; Croatian Society of Biochemistry and Molecular Biology