OSOBNE INFORMACIJE

izv.prof.dr.sc. Mirna Velki

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Spol Ženski | Datum rođenja 13.01.1987. | Državljanstvo Hrvatsko

RADNO ISKUSTVO

06/2020 – izvanredni profesor

Odjel za biologiju, Sveučilište Josipa Jurja Strossmayera u Osijeku, Cara Hadrijana 8/A, 31000 Osijek, Hrvatska

02/2017 – 05/2020 docent

Odjel za biologiju, Sveučilište Josipa Jurja Strossmayera u Osijeku, Cara Hadrijana 8/A, 31000 Osijek, Hrvatska

07/2014 – 01/2017 poslijedoktorand / znanstveni suradnik

Odjel za biologiju, Sveučilište Josipa Jurja Strossmayera u Osijeku, Cara Hadrijana 8/A, 31000 Osijek, Hrvatska

10/2015 – 06/2016 postdoktorski istraživač (Stipendija zaklade Alexander von Humboldt)

Department of Ecosystem Analysis (ESA), Institute for Environmental Research (Biology V), RWTH Aachen University, Worringerweg 1, 52074 Aachen, Njemačka

01/2012 – 06/2014 znanstveni novak

Odjel za biologiju, Sveučilište Josipa Jurja Strossmayera u Osijeku, Cara Hadrijana 8/A, 31000 Osijek, Hrvatska

09/2007 – 12/2011 aktivno uključena u rad Laboratorija za analizu bioloških sustava Odjela za biologiju (pod voditeljstvom izv.prof.dr.sc. Branimira K. Hackenbergera)

Odjel za biologiju, Sveučilište Josipa Jurja Strossmayera u Osijeku, Cara Hadrijana 8/A, 31000 Osijek, Hrvatska

IZBORI U ZNANSTVENA ZVANJA

01/2020 viši znanstveni suradnik u području prirodnih znanosti, znanstveno polje biologije

02/2019 znanstveni suradnik u izbornom području 8. Interdisciplinarna područja znanosti (biologija, kemija)

09/2015 znanstveni suradnik u području prirodnih znanosti, znanstveno polje biologije

OBRAZOVANJE

2011 – 2014 Sveučilište u Zagrebu, Prirodoslovno-matematički fakultet, Biološki odsjek — NKO razina 8

Poslijediplomski sveučilišni doktorski studij biologije

Doktorica znanosti iz područja prirodnih znanosti, znanstvenog polja biologije

2008 – 2010 Sveučilište Josipa Jurja Strossmayera u Osijeku, Odjel za biologiju — NKO razina 7

Sveučilišni diplomski znanstveni studij Biologije

Magistra biologije

2005 – 2008

Sveučilište Josipa Jurja Strossmayera u Osijeku, Odjel za biologiju

NKO razina 6

Sveučilišni preddiplomski studij Biologije

Sveučilišna prvostupnica (baccalaurea) biologije

OSOBNE VJEŠTINE

Materinski jezik hrvatski jezik

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
engleski jezik	C2	C2	C2	C2	C2
njemački jezik	A2	A2	A2	A2	A2
talijanski jezik	A1	A1	A1	A1	A1

Komunikacijske vještine

- dobre komunikacijske vještine stečene kroz iskustvo predavača i kroz rad na različitim projektima
- fleksibilna, sposobnost rada u timu

Organizacijske / rukovoditeljske vještine

- dobre organizacijske i rukovoditeljske vještine
- organiziranje i izvođenje laboratorijskih vježbi sa studentima
- samostalno obavljanje znanstvenog rada
- voditelj nekoliko znanstvenih projekata

Poslovne vještine

- korištenje laboratorijske istraživačke opreme (spektrofotometar, spektrofluorometar, mikrotom, elektroforeza, PCR, qPCR itd.)
- rad s različitim modelnim organizmima (kopneni i vodeni beskralješnjaci, različite vrste riba)

Digitalne vještine

SAMOPROCJENA				
Obrada informacija	Komunikacija	Stvaranje sadržaja	Sigurnost	Rješavanje problema
Iskusni korisnik	Iskusni korisnik	Iskusni korisnik	Iskusni korisnik	Iskusni korisnik

- dobro upravljanje Windows OS – MS office package, Corel Draw, Adobe
- dobro upravljanje Linux OS – Open Office package
- dobro upravljanje GraphPad Prism i Statistica
- osnove rada u R-u

Ostale vještine

- ronjenje (SSI-Open Water Diver)

Vozačka dozvola B kategorija

Članstva

- Hrvatsko toksikološko društvo
- Hrvatsko biološko društvo

DODATNE INFORMACIJE

Seminari, edukacije i usavršavanja u inozemstvu

2019	sudjelovanje u projektu popularizacije znanosti „Biolog-i-Ja“
2018	sudjelovanje na MACHEREY-NAGEL seminaru pod naslovom „RNA isolation – old challenges, newest solutions“
2018	stručno usavršavanje (1 mjesec) iz područja ekotoksikologije – Erasmus+ program mobilnosti za (ne)nastavno osoblje (Institute for Environmental Research, RWTH Aachen, Njemačka)
2017	stručno usavršavanje (2 tjedna) iz područja ekotoksikologije – Erasmus+ program mobilnosti za (ne)nastavno osoblje (Department of Biology and CESAM, University of Aveiro, Portugal)
2016	stručno usavršavanje (1 mjesec) na Institute of Biophysics, Czech Academy of Sciences – rad na projektu Importance of Toll-like receptors in intestinal epithelium response to cyanobacterial water bloom (voditelj dr. Lenka Šindlerová-Švihálková)
2016	sudjelovanje na Real-Time qPCR seminaru pod nazivom „Amplify and quantify successfully – qPCR basics and best practices for effective planning, realization and data analysis“
2016	sudjelovanje na seminaru i radionici o validaciji metoda, mjerenju mikotoksina i rezultatima CroMycoScreen projekta
2015	stručno usavršavanje (2 tjedna) iz područja toksikogenomike – Erasmus+ program mobilnosti za (ne)nastavno osoblje (Faculty of Sciences, University of Pécs, Hungary)
2015	položen Tečaj za osposobljavanje osoba koje rade s pokusnim životinjama, kategorija 3 (osposobljavanje voditelja pokusa i njegova zamjenika)
2012	sudjelovanje na 8th Summer School of Environmental Chemistry and Ecotoxicology 2012, Brno, Czech Republic
2012	položena pedagoško-psihološka i didaktičko-metodička naobrazba (Učiteljski fakultet, Sveučilište Josipa Jurja Strossmayera u Osijeku)
2010	ERASMUS program mobilnosti – izrada magistarskog rada na Institute of Entomology (University of South Bohemia, Czech Republic)
2009	sudjelovanje na forumu mladih znanstvenika – European Molecular Biology Organization (EMBO) Young Scientists Forum
2008	stručna praksa – Institute of Systems Biology and Ecology, Academy of Sciences of the Czech Republic, Division of Ecosystem Analyses in Brno

Nagrade i stipendije

2019	nagrada Odjela za biologiju za znanstvenu izvrsnost
2018	nagrada Odjela za biologiju za znanstvenu izvrsnost
2017	nagrada Odjela za biologiju za znanstvenu izvrsnost
2016	nagrada Odjela za biologiju za znanstvenu izvrsnost
2016	„Young scientist award“ za sudjelovanje na V. hrvatskom toksikološkom kongresu – CROTOX 2016
2015	Stipendija zaklade Alexander von Humboldt za postdoktorsko istraživanje
2015	Državna nagrada za znanost za 2014. godinu – godišnja nagrada za znanstvene novake
2014	nagrada Odjela za biologiju za znanstvenu izvrsnost
2013	Stipendija Zaklade Adris
2011	nagrada „Najbolji student“ Odjela za biologiju za izniman uspjeh u akademskoj godini 2009./2010.
2010	Top stipendija
2009	nagrada „Najbolji student“ Odjela za biologiju za izniman uspjeh u akademskoj godini 2008./2009.

2009 Rektorova nagrada za izvrstan rad pod naslovom: „Hormetic Response of Earthworm (Eisenia fetida) to Subeffect Exposure to Malathion“ za akademsku godinu 2008./2009.

2009 nagrada „Najbolji student“ Odjela za biologiju za izniman uspjeh u akademskoj godini 2007./2008.

2008 godišnja nagrada Lions cluba Osijek za najbolje studente Sveučilišta J.J. Strossmayera u Osijeku

2007 nagrada „Najbolji student“ Odjela za biologiju za izniman uspjeh u akademskoj godini 2006./2007.

Projekti

2020 – Inovativna proizvodnja organskih gnojiva i supstrata za uzgoj presadnica (*voditelj* prof.dr.sc. Zdenko Lončarić; *financira* Europski fond za regionalni razvoj, Ulaganje u znanost i inovacije)

2017 – 2018 Interakcije gujavica i gljiva u tlu – učinak celomocita gujavica na rast fitopatogenih gljiva (voditelj prof.dr. Karolina Vrandečić; financira Sveučilište J. J. Strossmayera u Osijeku)

2017 – 2018 Effects of environmental toxicants on expression of oxidative stress related genes in earthworm and wheat (voditelj dr. Mirna Velki; financira zaklada Alexander von Humboldt)

2016 – 2017 Biofortifikacija selenom – odgovor sustava biljka-tlo-gujavice (voditelj dr. Mirna Velki; financira Sveučilište J. J. Strossmayera u Osijeku)

2015 – 2016 Quantification of biodiversity loss and convergence of trait responses to pesticide exposure in agricultural areas (voditelj prof.dr. Ralf B. Schäfer; financira Deutsche Forschungsgemeinschaft, DFG)

2015 – 2016 SOLUTIONS for present and future emerging pollutants in land and water resources management (voditelj prof.dr. Werner Brack; financira European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 603437)

2012 – 2014 Interakcija funkcionalnih sastojaka hrane s kakvoćom (voditelj prof.dr. Branimir K. Hackenberger; financira Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske)

Znanstvene publikacije

2021 Brendt, J., Crawford, S.E., **Velki, M.**, Xiao, H., Thalmann, B., Hollert, H., Schiwy, A. (2021) Is a liver comparable to a liver? A comparison of different rat-derived S9-fractions with a biotechnological animal-free alternative in the Ames fluctuation assay. Science of The Total Environment, 143522.

2021 Brendt, J., Lackmann, C., Heger, S., **Velki, M.**, Crawford, S.E., Xiao, H., Thalmann, B., Schiwy, A., Hollert, H. (2021) Using a high-throughput method in the micronucleus assay to compare animal-free with rat-derived S9. Science of The Total Environment 751: 142269.

2019 Ečimović, S., Grgić, M., Bošnjaković, R., **Velki, M.** (2019) Biomarker responses in earthworm coelomocyte extract – noninvasively collected sample for pesticide effect assessment. Chemosphere 234: 837–844.

2019 Moosova, Z., Sindlerová, L., Ambruzová, B., Ambrozova, G., Vasicek, O., **Velki, M.**, Babica, P., Kubala, L. (2019) Lipopolysaccharides from Microcystis cyanobacteria-dominated water bloom and from laboratory cultures trigger human immune innate response. Toxins 11, 218.

2019 Brinkmann, M., Barz, B., Carriere, D., **Velki, M.**, Smith, K., Meyer-Alert, H., Müller, Y., Thalmann, B., Bluhm, K., Schiwy, S., Hotz, S., Salowsky, H., Tiehm, A., Hecker, M., Hollert, H. (2019) Bioactivation of quinolines in a recombinant estrogen receptor transactivation assay is catalyzed by N-methyltransferases. Chemical Research in Toxicology 32: 698–707.

2019 **Velki, M.**, Lackmann, C., Barranco, A., Ereño Artabe, A., Rainieri, S., Hollert, H., Seiler, T.-B. (2019) Pesticides diazinon and diuron increase glutathione levels and affect multixenobiotic resistance activity and biomarker responses in zebrafish (*Danio rerio*) embryos and larvae. Environmental Sciences Europe 31: 4.

2019 **Velki, M.**, Weltmeyer, A., Seiler, T.-B., Hollert, H. (2019) Acute toxicities and effects on multixenobiotic resistance activity of eight pesticides to the earthworm *Eisenia andrei*. Environmental Science and Pollution Research 26: 4821–4832.

2018 Ečimović, S., **Velki, M.**, Vuković, R., Štolfa Čamagajevac, I., Petek, A., Bošnjaković, R., Grgić, M., Engelmann, P., Bodó, K., Filipović-Marijić, V., Ivanković, D., Erk, M., Mijošek, T., Lončarić, Z. (2018) Acute toxicity of selenate and selenite and their impacts on oxidative status, efflux pump activity, cellular and genetic parameters in earthworm

Eisenia andrei. Chemosphere 212: 307–318.

2018 Lackmann, C., **Velki, M.**, Seiler, T.-B., Hollert, H. (2018) Herbicides diuron and fluazifop-p-butyl affect avoidance response and multixenobiotic resistance activity in earthworm *Eisenia andrei*. Chemosphere 210: 110–119.

2018 Lackmann, C., Martinez Santos, M., Rainieri, S., Barranco, A., Hollert, H., Spirhanzlova, P., **Velki, M.**, Seiler, T.-B. (2018) Novel procedures for whole organism detection and quantification of fluorescence as a measurement for oxidative stress in zebrafish (*Danio rerio*) larvae. Chemosphere 197: 200–209.

2017 **Velki, M.**, Meyer-Alert, H., Seiler, T.-B., Hollert, H. (2017) Enzymatic activity and gene expression changes in zebrafish embryos and larvae exposed to pesticides diazinon and diuron. Aquatic Toxicology 193: 187–200.

Velki, M., Di Paolo, C., Nelles, J., Seiler, T.-B., Hollert, H. (2017) Diuron and diazinon alter the behavior of zebrafish embryos and larvae in the absence of acute toxicity. Chemosphere 180: 65–76.

Štolfa, I., **Velki. M.**, Vuković, R., Ečimović, S., Katanić, Z., Lončarić, Z. (2017) Effect of different forms of selenium on the plant-soil-earthworm system. Journal of Plant Nutrition and Soil Science 180: 231–240.

Chen, Q., Gundlach, M., Yang, S., Jiang, J., **Velki, M.**, Yin, D., Hollert, H. (2017) Quantitative investigation of the mechanisms of microplastics and nanoplastics toward zebrafish larvae locomotor activity. Science of the Total Environment 584-585: 1022–1031.

Plavšin, I., **Velki, M.**, Ečimović, S., Vrandečić, K., Ćosić, J. (2016) Inhibitory effect of earthworm coelomic fluid on growth of the plant parasitic fungus *Fusarium oxysporum*. European Journal of Soil Biology 78: 1–6.

2016 Filipović Marijić, V., Dragun, Z., Sertić Perić, M., Matoničkin Kepčija, R., Gulin, V., **Velki, M.**, Ečimović, S., Hackenberger, B.K., Erk, M. (2016) Investigation of the soluble metals in tissue as biological response pattern to environmental pollutants (*Gammarus fossarum* example). Chemosphere 154: 300–309.

2015 **Velki, M.**, Ečimović, S. (2015) Changes in exposure temperature lead to changes in pesticide toxicity to earthworms: a preliminary study. Environmental Toxicology and Pharmacology 40: 774–784.

Hackenberger, B.K., **Velki, M.**, Lončarić, Ž., Hackenberger, D.K., Ečimović, S. (2015) Effect of different river flow rates on biomarker responses in common carp (*Cyprinus carpio*). Ecotoxicology and Environmental Safety 112: 153-160.

2014 **Velki, M.**, Plavšin, I., Dragojević, J., Hackenberger, B.K. (2014) Toxicity and repellency of dimethoate, pirimiphos-methyl and deltamethrin against *Tribolium castaneum* (Herbst) using different exposure methods. Journal of Stored Products Research 59: 36–41.

Velki, M., Hackenberger, B.K., Lončarić, Ž., Hackenberger, D.K. (2014) Application of microcosmic system for assessment of insecticide effects on biomarker responses in ecologically different earthworm species. Ecotoxicology and environmental safety 104: 110–119.

2013 Stepić, S., Hackenberger, B.K., **Velki, M.**, Lončarić, Ž., Hackenberger, D.K. (2013) Effects of individual and binary-combined commercial insecticides endosulfan, temephos, malathion and pirimiphos-methyl on biomarker responses in earthworm *Eisenia andrei*. Environmental Toxicology and Pharmacology 36: 715–723.

Velki, M., Hackenberger, B.K. (2013) Different sensitivities of biomarker responses in two epigeic earthworm species after exposure to pyrethroid and organophosphate insecticides. Archives of Environmental Contamination and Toxicology 65: 498–509.

Stepić, S., Hackenberger, B.K., **Velki, M.**, Hackenberger, D.K., Lončarić, Ž. (2013) Potentiation effect of metolachlor on toxicity of organochlorine and organophosphate insecticides in earthworm *Eisenia andrei*. Bulletin of Environmental Contamination and Toxicology 91: 55–61.

Velki, M., Stepić, S., Hackenberger, B.K. (2013) Effects of formalin on some biomarker activities of earthworms pre-exposed to temephos. Chemosphere 90: 2690–2696.

Velki, M., Hackenberger, B.K. (2013) Inhibition and recovery of molecular biomarkers of earthworm *Eisenia andrei* after exposure to organophosphate dimethoate. Soil Biology and Biochemistry 57: 100–108.

Velki, M., Hackenberger, B.K. (2013) Biomarker responses in earthworm *Eisenia andrei* exposed to pirimiphos-methyl and deltamethrin using different toxicity tests. Chemosphere 90: 1216–1226.

2012 Stepić, S., Hackenberger, B.K., Hackenberger, D.K., **Velki, M.**, Lončarić, Ž. (2012) Impact of oxidative stress indicated by thiobarbituric acid reactive substances (TBARS) and protein carbonyl levels (PC) on ethoxyresorufin-O-deethylase (EROD) induction in common carp (*Cyprinus carpio*). Water Air and Soil Pollution 223: 4785–4793.

Velki, M., Hackenberger, B.K. (2012) Species-specific differences in biomarker responses in two ecologically different earthworms exposed to the insecticide dimethoate. Comparative Biochemistry and Physiology C Toxicology and Pharmacology 156: 104–112.

Velki, M., Stepić, S., Lončarić, Ž., Hackenberger, B.K. (2012) Effects of electroshocking and allyl isothiocyanate on biomarkers of the earthworm species *Eisenia andrei* – possible side-effects of non-destructive extraction methods. European Journal of Soil Biology 51: 15–21.

Hackenberger, B.K., **Velki, M.**, Stepić, S., Hackenberger, D.K. (2012) The effect of formalin on acetylcholinesterase and catalase activities, and on the concentration of oximes, in the earthworm species *Eisenia andrei*. European Journal of Soil Biology 50: 137–143.

Hackenberger, B.K., **Velki, M.**, Stepić, S., Hackenberger, D.K. (2012) First evidence for the presence of efflux pump in the earthworm *Eisenia andrei*. Ecotoxicology and Environmental Safety 75: 40–45.

2011 **Velki, M.**, Kodrík, D., Večeřa, J., Hackenberger, B.K., Socha, R. (2011) Oxidative stress elicited by insecticides: A role for the adipokinetic hormone. General and Comparative Endocrinology 172: 77-84.

Poglavlja u knjizi

2020 Schiwy S., **Velki M.**, Hollert H. (2020) Whole-Sediment Toxicity Bioassay to Determine Bioavailability and Effects of Aquatic Contaminants Using Zebrafish Embryos. In: Methods in Pharmacology and Toxicology. Springer, New York, NY

2017 **Velki, M.**, Ečimović, S. (2017) Earthworms as a suitable organisms for soil pollution monitoring – possibilities and limitations. In: Horton C. G. (Ed.) Earthworms: Types, Roles and Research, Nova Science Publishers, Inc., ISBN: 978-1-53612-176-6, pp. 179-206.

Velki, M., Ečimović, S. (2017) Important issues in ecotoxicological investigations using earthworms. In: de Voogt P. (Ed.) Reviews of Environmental Contamination and Toxicology, Springer International Publishing, ISBN: 978-3-319-33971-9, Volume 239, pp. 157–184.

2015 Kodrík, D., Plavšin, I., **Velki, M.**, Stašková, T. (2015) Enhancement of insecticide efficacy by adipokinetic hormones. In: Montgomery J. (Ed.) Insecticides: Occurrence, Global Threats and Ecological Impact, Nova Science Publishers, Inc., ISBN: 978-1-63483-475-9, pp. 77–92.

Kongresna priopćenja

2020 Bjedov, D., Mikuška, A., **Velki, M.**, Lončarić, Z., Mikuška, T. (2020) Analysis of heavy metals in grey heron (*Ardea cinerea*) feathers from Croatia. 9. Simpozij Kopački rit Jučer, danas, sutra, 25.09.2020., Javna Ustanova "Park prirode Kopački rit", Hrvatska.

2020 Lackmann, C., **Velki, M.**, Seiler, T.-B., Hollert, H. (2020) Investigation of sublethal effects of four commonly used pesticides on zebrafish larvae. 9th SETAC Young Environmental Scientists Meeting, 9th–11th March 2020, Waco, Texas, USA.

2018 **Velki, M.**, Weltmeyer, A., Lackmann, C., Seiler, T.-B., Hollert, H. (2018) Acute toxicity of 10 pesticides to earthworm *Eisenia andrei* and their effects on the efflux pump activity. 13th Croatian Biological Congress with international participation, 19.09.–23.09.2018., Poreč, Hrvatska.

Kujavec, M., Žulj, M., Ečimović, S., **Velki, M.**, Vrandečić, K. (2018) Interactions of earthworms and soil fungi – effect of earthworm coelomic fluid (*Eisenia andrei*) on growth of phytopathogenic fungi 13th Croatian Biological Congress with international participation, 19.09.–23.09.2018., Poreč, Hrvatska.

Grgić, M., Bošnjaković, R., Ečimović, S., **Velki, M.** (2018) Earthworms coelmocyte extraction - non-invasive method of sample collection for pesticide effect assessment. 13th Croatian Biological Congress with international participation, 19.09.–23.09.2018., Poreč, Hrvatska.

Vuković, A., Štolfa Čamagajevac, I., Vuković, R., Matić, M., **Velki, M.**, Lončarić, Z. (2018) Impact of different selenium forms on the oxidative stress and antioxidative response in wheat seedlings (*Triticum aestivum* L.). 13th Croatian Biological Congress with international participation, 19.09.–23.09.2018., Poreč, Hrvatska.

Vuković, A., Štolfa Čamagajevac, I., Vuković, R., Matić, M., **Velki, M.**, Lončarić, Z. (2018) Effect of different selenium

forms on the glutathione metabolism in wheat seedlings (*Triticum aestivum* L.). 7th Balkan Botanical Congress, 10.09.-14.09.2018., Novi Sad, Srbija.

Gulin, V., Filipović Marijić, V., Dragun, Z., Sertić Perić, M., Metoničkin Kepčija, R., **Velki, M.**, Ečimović, S., Hackenberger, B.K., Erk, M. (2018) Assessment of metal exposure in industrially/agriculturally impacted freshwater ecosystem using amphipod *Gammarus fossarum* Koch as a bioindicator. 3rd Central European Symposium for Aquatic Macroinvertebrate Research (CESAMIR), 08.07.–13.07.2018., Łódź, Poljska.

2017 Engelmann, P., Bodó, K., Tolnai, G., Vuković, R., Štolfa Čamagajevac, I., Ečimović, S., **Velki, M.** (2017) Unraveling the hazards of selenium trace elements to earthworm immunity, from genes to cells. 46th Annual Meeting of the Hungarian Society for Immunology, 18.10.–20.10.2017., Velence, Mađarska.

Kaišarević, S., Tenji, D., Šipoš, Š., Mičić, B., Deutschmann, B., Seiler, T.-B., **Velki, M.**, Hollert, H., Brack, W., Teodorović, I. (2017) Prominent role of physiology in human health and environmental risk assessment: Lessons learned from the FP7 project SOLUTIONS. JOINT MEETING OF NATIONAL PHYSIOLOGICAL SOCIETIES - NEW PERSPECTIVES IN PHYSIOLOGICAL RESEARCH – YOUNG INVESTIGATOR FORUM, 25.05.–27.05.2017., Subotica, Srbija.

Chen, Q., Gundlach, M., Jiang, J., **Velki, M.**, Yin, D., Hollert, H. (2017) Zebrafish as a sensitive model for assessment of neurotoxic effects of nanoplastics. SETAC Europe 27th Annual Meeting, 07.05.–11.05.2017., Brussels, Belgija.

Štolfa Čamagajevac, I., **Velki, M.**, Engelmann, P., Vuković, R., Ečimović, S., Bodó, K., Katanić, Z., Tolnai, G., Lončarić, Z. (2017) Utjecaj selena na sustav biljka-tlo-gujavica. 52. Hrvatski i 12. Međunarodni simpozij agronoma, 12.02.–17.02.2017., Dubrovnik, Hrvatska.

2016 Seiler, T.-B., Lackmann, C., Hollert, H., Rainieri, S., Martinez Santos, M., Spirhanzlova, P., **Velki, M.** (2016) An assay for quantitative detection of reactive toxicity in whole zebrafish embryos - case of two pesticides. 7th SETAC World Congress SETAC North America 37th Annual Meeting, 06.11.–10.11.2016., Orlando, Florida, USA.

Velki, M., Lackmann, C., Seiler, T.-B., Hollert, H. (2016) Assessment of pesticide effects on zebrafish embryos. 5th Croatian Congress of Toxicology, 09.10.–12.10.2016., Poreč, Hrvatska.

Deutschmann, B., Seiler, T.-B., Yang, F., Markert, N., **Velki, M.**, Brack, W., Hollert, H. (2016) Biomarker response analysis in fish within the SOLUTIONS project - Case study Holtemme. SETAC Europe 26th Annual Meeting, 22.05.–26.05.2016., Nantes, Francuska.

2015 **Velki, M.** (2015) Neurotoxic effects of commonly used pesticides to soil organisms. 4th International Symposium – Effect-related evaluation of anthropogenic trace substances - concepts for genotoxicity, neurotoxicity and endocrine effects, 22.10.–23.10.2015., Aachen, Njemačka.

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