



## Europass Životopis

### Osobni podaci

Prezime(na) / Ime(na) **Branimir Hackenberger Kutuzović**

Adresa(e) Našička 4, Osijek

Telefonski broj(evi) +385 31 399 910

Mobilni telefon: +385 31 399 910  
+385 91 2241 048

Broj(evi) faksa +385 31 399 921

E-mail hack@biologija.unios.hr

Državljanstvo Hrvatsko

Datum rođenja 09.09.1965

Spol Muški

### Radno iskustvo

|                               |  |
|-------------------------------|--|
| Datumi                        | 2012 - danas   |
| Zanimanje ili radno mjesto    | Izvanredni profesor  |
| Ime i adresa poslodavca       | Odjel za biologiju, Sveučilište J.J.Strossmayera u Osijeku   |
| Datumi                        | 2008 - danas   |
| Zanimanje ili radno mjesto    | Docent   |
| Ime i adresa poslodavca       | Odjel za biologiju, Sveučilište J.J.Strossmayera u Osijeku   |
| Datumi                        | 2002 - 2008  |
| Zanimanje ili radno mjesto    | Viši asistent  |
| Ime i adresa poslodavca       | Odjel za biologiju, Sveučilište J.J.Strossmayera u Osijeku   |
| Datumi                        | 1996 - 2002  |
| Zanimanje ili radno mjesto    | Asistent   |
| Ime i adresa poslodavca       | Pedagoški fakultet, Sveučilište J.J.Strossmayera u Osijeku   |
| Datumi                        | 1999 - danas   |
| Zanimanje ili radno mjesto    | Stalni sudski vještak za područje biologija - toksikologija  |
| Datumi                        | 1995 - 1996  |
| Glavni poslovi i odgovornosti | Kalibracija i kustomizacija novih analitičkih instrumenta (UV/VIS spektrofotometar, IR – spektrofotometar, HPLC, HPLC/MS), izvođenje toksikoloških testova ( <i>Daphnia test</i> , <i>Algal growth inhibition test</i> , <i>Danio test</i> ) |
| Ime i adresa poslodavca       | Zavod za javno zdravstvo grada Zagreba   |
| Datumi                        | 1993 – 1995  |
| Zanimanje ili radno mjesto    | Procesni inženjer  |
| Ime i adresa poslodavca       | Hitachi Semiconductor Europe, Landshut   |
| Datumi                        | 1992 - 1993  |
| Zanimanje ili radno mjesto    | Kontrola oksidacijsko-difuzijskih procesa  |
| Ime i adresa poslodavca       | Fernandes GmbH, Landshut   |
| Datumi                        | 1990 - 1991  |
| Glavni poslovi i odgovornosti | Razvoj softvera (instrument – računalo sučelja)  |

Ime i adresa poslodavca

Lab-Birotrade

## Obrazovanje i osposobljavanje

Datumi

2001

Naziv dodijeljene kvalifikacije

Doktor znanosti

Ime i vrsta organizacije pružatelja obrazovanja i osposobljavanja

Prirodoslovno-matematički fakultet, Sveučilište u Zagrebu

Datumi

1999

Naziv dodijeljene kvalifikacije

Magistar znanosti

Ime i vrsta organizacije pružatelja obrazovanja i osposobljavanja

Prirodoslovno-matematički fakultet, Sveučilište u Zagrebu

Datumi

1995

Naziv dodijeljene kvalifikacije

Profesor biologije i kemije

Ime i vrsta organizacije pružatelja obrazovanja i osposobljavanja

Pedagoški fakultet, Sveučilište J.J.Strossmayera u Osijeku

## Osobne vještine i kompetencije

Materinski jezik(ci)

Hrvatski

Drugi jezik(ci)

Engleski, Njemački

Samoprocjena

Europska razina (\*)

**Jezik**

**Jezik**

| Razumijevanje |                  |         |                  | Govor               |                  |                    |                  | Pisanje |                  |
|---------------|------------------|---------|------------------|---------------------|------------------|--------------------|------------------|---------|------------------|
| Slušanje      |                  | Čitanje |                  | Govorna interakcija |                  | Govorna produkcija |                  |         |                  |
| C2            | Iskusni korisnik | C2      | Iskusni korisnik | C2                  | Iskusni korisnik | C2                 | Iskusni korisnik | C2      | Iskusni korisnik |
| C2            | Iskusni korisnik | C2      | Iskusni korisnik | C2                  | Iskusni korisnik | C2                 | Iskusni korisnik | C2      | Iskusni korisnik |

(\*) [Zajednički europski referentni okvir za jezike](#)

## Radovi citirani u Current Content bazi

2015

**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* 112C: 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.

Jeličić Marinković, Ž., **Hackenberger, B.K.,** Merdić, E. (2014) Maximum radius of carbon dioxide baited trap impact in woodland: implications for host-finding by mosquitoes. *Biologia* 69(4): 522-529.

Hackenberger, D.K., **Hackenberger, B.K.** (2014) Earthworm community structure in grassland habitats differentiated by climate type during two consecutive seasons. *European journal of soil biology* 61: 27-34

- 2013 Hackenberger, D.K., **Hackenberger, B.K.** (2013) Checklist of the earthworm fauna of Croatia (Oligochaeta: Lumbricidae). *Zootaxa* 3710: 1-30.
- Stepić, S., **Hackenberger, B.K.**, Velki, M., Hackenberger, D.K., Lončarić, Ž. (2013) Potentiatiom effect of metolachlor on toxicity of organochlorine and organophosphate insecticides in earthworm *Eisenia andrei*. *Bulletin of Environmental Contamination and Toxicology* 36: 715-723.
- 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) 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) 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.
- 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.
- Turić, N., Merdić, E., **Hackenberger, B.K.**, Jeličić, Ž., Vignjević, G., Csabai, Z. (2012) Structure of aquatic assemblages of Coleoptera and Heteroptera in relation to habitat type and flood dynamic structure. *Aquatic Insects* 34(1): 189-205.
- 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.
- Britvić, S., **Hackenberger, B.K.**, Jarić, D., Stepić, S. (2012) Detection of mutagens and BaPMO inducers in river water using the Blue Cotton adsorption technique. *Environmental Toxicology* 27(3): 146-154.
- 2011 Velki, M., Kodrić, 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.
- 2010 **Hackenberger, B.K.**, Jarić, D., Hackenberger, D., Stepić, S. (2010) Effects of chronic dietary exposure to a low-dose of Malathion, Aroclor-1254 and 3-methylcholanthrene on three biomarkers in male mice. *Acta Biologica Hungarica* 61: 423-433.
- Klobučar, G.I.V., Štambuk, A., Pavlica, M., Sertić Perić, M., **Hackenberger, B.K.**, Hylland, K. (2010) Genotoxicity monitoring of freshwater environments using caged carp (*Cyprinus carpio*). *Ecotoxicology* 19: 77-84.
- Merdić, E., Jeličić, Ž., Krčmar, S., **Hackenberger, B.K.**, Turić, N., Sudarić Bogojević, M., Zahirović, Ž. (2010) Efficacy of mosquito attractants in various habitats of a floodplain. *Biologia* 65(3): 545-551.
- Mihaljević, M., Špoljarić, D., Stević, F., Cvijanović, V., **Hackenberger, B.K.** (2010) The influence of extreme floods from the River Danube in 2006 on phytoplankton communities in a floodplain lake: Shift to a clear state. *Limnologica* 40: 260-268.
- 2009 **Hackenberger, B.K.**, Jarić, D., Krčmar, S. (2009) Distribution of tabanids (Diptera: Tabanidae) along a two-sided altitudinal transect. *Environmental Entomology* 38(6): 1600-1607.
- Mihaljević, M., Stević, F., Horvatić, J., **Hackenberger, B.K.** (2009) Dual impact of the flood pulses on the phytoplankton assemblages in a Danubian floodplain lake (Kopački Rit Nature Park, Croatia). *Hydrobiologia* 618: 77-88.

- 2008 **Hackenberger, B.K.**, Jarić-Perkušić, D., Stepić, S. (2008) Effect of temephos on cholinesterase activity in the earthworm *Eisenia fetida* (Oligochaeta, Lumbricidae). *Ecotoxicology and Environmental Safety* 71: 583-589.
- Jarić-Perkušić, D., **Hackenberger, B.K.**, Stepić, S., Merdić, E. (2008) Influence of molting on efficacy of two functionally different larvicides: *Bti* and temephos. *Journal of Economic Entomology* 101(4): 1204-1210.
- 2006 Žaja, R., Klobučar, G.I.V., Sauerborn Klobučar, R., **Hackenberger, B.K.**, Smital, T. (2006) Haemolymph as compartment for efficient and non-destructive determination of P-glycoprotein (Pgp) mediated MXR activity in bivalves. *Comparative Biochemistry and Physiology* 143C: 103-112.
- 2005 Lepeduš, H., Jozić, M., Štolfa, I., Pavičić, N., **Hackenberger, B.K.**, Cesar, V. (2005) Changes in peroxidase activity in the peel of Unshiu mandarin (*Citrus unshiu* Marc.) fruit with different storage treatments. *Food Technology and Biotechnology* 43(1): 71-77.
- 2004 Ugarčić-Hardi, Ž., Hackenberger, D., **Hackenberger, B.K.** (2004) New approach to the influence of flour moisture on the determination of the falling number. *Deutsche Lebensmittel-Rundschau* 100(8): 298-301.
- 2003 Smital, T., Sauerborn, R., **Hackenberger, B.K.** (2003) Inducibility of the P-glycoprotein transport activity in the marine mussel *Mytilus galloprovincialis* and the freshwater mussel *Dreissena polymorpha*. *Aquatic Toxicology* 65: 443-465. If: 2.073
- 2000 Ramljak, S., **Hackenberger, B.K.**, Smital, T., Britvić, S. (2000) Evaluation of the genotoxic and cytochrome P450 monooxygenase-inhibitory potential of dicuran on prokaryotic and eukaryotic test systems. *Journal of Environmental Science and Health B* 35(6): 751-770.

### Ostali radovi

- 2014 Perić-Mataruga, V., **Hackenberger, B.K.**, Vlahović, M., Ilijin, L., Mrdaković, M. (2014) Potential improvement of *Lymantria dispar* L. management by quercetin. *Archives of Biological Sciences*. 66 (3): 1125-1129.
- 2011 Turić, N., Merdić, E., **Hackenberger, B.K.**, Jeličić, Ž., Bogdanović, T. (2011) Diversity of aquatic insects (Heteroptera: Nepomorpha, Gerromorpha and Coleoptera: Hydraephaga, Hydrophilidae) in the karst area of Gorski kotar, Croatia. *Natura Croatica: periodicum Musei historiae naturalis Croatici* 20(1): 179-188.
- 2010 Jarić, D., **Hackenberger, B.K.**, Krčmar, S. (2010) The characteristics of earthworm communities along vertically stratified transect of Velika Kapela Mountain grasslands (Croatia). *Zoology in the Middle East* 49, Supplementum 2:117-124.
- 2008 Merdić, E., **Hackenberger Kutuzović, B.**, Sudarić Bogojević, M., Vručina, I. (2008) Dynamics of mosquito (Diptera, Culicidae) species richness in samples of dry-ice baited CDC traps in the urban area of Osijek, Croatia. *Natura Croatica: periodicum Musei historiae naturalis Croatici* 17(3): 149-155.
- 2007 Stepić, Sandra; Velki, Mirna; **Hackenberger Kutuzović, Branimir**; Jarić-Perkušić, Davora (2007) Comparison of thiobarbituric acid reactive substances (TBARS) and protein carbonyl (PC) as biomarkers of oxidative stress in rat (*Ratus norvegicus*) and common carp (*Cyprinus carpio*). Abstracts of the 5th Croatian Congress of Pharmacology and the 2nd Congress of Croatian Physiological Society, *Periodicum biologorum Supplement* pp. 158.
- 2003 Oršolić, N., Knežević, A., Šver, L., Terzić, S., **Hackenberger, B.K.**, Bašić, I. (2003) Influence of honey bee products on transplantable murine tumours. *Veterinary and Comparative Oncology* 1 (4): 216-226.
- 2000 Ramljak, S., **Hackenberger, B.K.**, Smital, T., Britvić, S. (2000) Evaluation of the genotoxic and cytochrome P450 monooxygenase-inhibitory potential of dicuran on prokaryotic and eukaryotic test systems. *Journal of Environmental Science and Health B* 35(6): 751-770. If: 0.673
- 1989 **Hackenberger Kutuzović, B.** (1989) Changes in Osijek Ornithofauna in the 1896-1987. period. *Periodicum Biologorum*. 91(1): 135-136.

### Istraživački i ostali projekti

- 2014-2018 Optimise: Innovative optical Tools for proximal sensing of ecophysiological processes. COST Action ES1309, MC member.
- 2014-2018 ClimMani: Climate Change Manipulation Experiments in Terrestrial Ecosystems - Networking and Outreach. COST Action ES1308, MC substitute.

|           |   |
|-----------|---|
| 2014-2018 | BioLink: Linking belowground biodiversity and ecosystem function in European forests. COST Action FP1305, MC substitute.  |
| 2009      | Stručna podloga "Mogućnost upotrebe larvicidnog sredstva Dimilin SC-x na vodenim sustavima Osječko baranjske županije" (koautor)  |
| 2009      | Studija utjecaja na okoliš "Tvornica mineralnih gnojiva u Vukovaru, Adriatica Dunav d.o.o." (koautor)   |
| 2009      | Studija revitalizacije Stare Drave na području Nemetin, Sarvaš, Bijelo brdo – Aljmaš  |
| 2009      | Sektorska studija „Revitalizacija vlažnih i vodenih staništa“ – Ekotoksikologija  |
| 2006-2008 | „Studija revitalizacije Stare Drave na području Križnice“, 2006.-2008. godine   |
| 2000      | „Promjene u fiziologiji šarana ( <i>Cyprinus carpio</i> ) ribnjaka Grudnjak mjerene molekularnim biomarkerima fiziološkog stresa i izloženosti ksenobioticima tijekom 2000. godine“ |
| 1999      | Hidroakumulacija Križ-potok, elementi studije utjecaja na okoliš (šumarstvo i poljodjelstvo), zdravstveno stanje šuma i opterećenost sliva aeropolutantima                          |
| 1999      | „Procjena rizika utjecaja okoliša na području izgradnje radničkog kampa Ogulin (Otok oštarijski)“   |

### Članstva

Hrvatsko toksikološko društvo  
Hrvatsko biološko društvo  
Hrvatsko društvo sudskih vještaka  
SETAC

### Ostale istraživačke aktivnosti

Recenzent u časopisima: Environmental Monitoring and Assessment; Ecological Indicators; Soil and Sediment Contamination; Environmental Research; Archives of Environmental Contamination and Toxicology; Comparative Biochemistry and Physiology; Ecotoxicology and Environmental Safety; Journal of Vector Ecology

### Računalne vještine i kompetencije

Windows OS, MS office, Linux OS, OpenOffice, R-statistical software, Visual basic, Corel, Adobe, razni programski jezici (C++, Python, Pascal)

### Vozačka dozvola

B kategorija

### Dodatne informacije

Instruktor ronjenja (SSI), iskustvo u ronjenju od 1977. Podvodna uzorkovanja, mjerenja i snimanja do dubine 70 m, kavezna izlaganja organizama; znanstveno, tehničko i umjetničko podvodno fotografiranje.