

Goran Kovačević - CV

Date of birth: 06.03.1974.

Place of birth: Zagreb, Hrvatska

Academic status: Associate Professor

Scientific projects

Učinak toksikanata na slatkovodne životinje (Effect of toxicants on freshwater animals) – project co-worker

Učinak toksikanata na slatkovodne i kopnene organizme (Effect of toxicants on freshwater and terrestrial organisms) – project co-worker

Molekularna filogenija, evolucija i simbioza slatkovodnih beskralježnjaka (Molecular phylogeny, evolution and symbiosis of freshwater invertebrates) – project researcher

Istraživanje kvalitete voda uporabom biotestova (Research of water quality using biotests) – project co-worker

Scientific papers

1. **KOVAČEVIĆ, G.**, KALAFATIĆ, M., LJUBEŠIĆ, N. & ŠUNJIĆ, H. The effect of chloramphenicol on the symbiosis between green alga and hydra. *Biol Bratislava* 56/6: 605-610, 2001.
2. KALAFATIĆ, M., KOPJAR, N., ZRNA, G., ZUPAN, I., **KOVAČEVIĆ, G.** & FRANJEVIĆ, D. Karyological Analysis of Two Allopatric Populations of Planarian *Polycelis felina* (Daly.) in Croatia. *Folia Biol Kraków* 52/1-2: 131-133, 2004.
3. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & LJUBEŠIĆ, N. Endosymbiotic Alga from Green Hydra under the Influence of Cinoxacin. *Folia Microbiol* 50/3: 205-208, 2005.
4. HORVAT, T., KOPJAR, N., KALAFATIĆ, M. & **KOVAČEVIĆ, G.** Toxicity testing of herbicide norflurazon on an aquatic bioindicator species—the planarian *Polycelis felina* (Daly.). *Aquat Toxicol* 73/4: 342-352, 2005.
5. KALAFATIĆ, M., **KOVAČEVIĆ, G.** & FRANJEVIĆ, D. Resistance of Two Planarian Species to UV-irradiation. *Folia Biol (Kraków)* 54/3-4: 103-108, 2006.
6. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & HORVATIN, K. Detection of aluminum depositions in green and brown hydra. *Symbiosis* 42/3: 175-176, 2006.
7. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & LJUBEŠIĆ, N. New Observations on Green Hydra Symbiosis. *Folia Biol (Kraków)* 55/1-2: 77-79, 2007.
8. **KOVAČEVIĆ, G.**, ŽELJEŽIĆ, D., HORVATIN, K. & KALAFATIĆ, M. Morphological features and comet assay of green and brown hydra treated with aluminium. *Symbiosis* 44/1-3: 145-152, 2007.

9. ŠARIĆ, A., KALAFATIĆ, M., RUSAK, G., **KOVAČEVIĆ, G.**, FRANJEVIĆ, D. & GUTZEIT, H. O. Postembryonic Development of *Drosophila melanogaster* under the influence of Quercetin. Entomol News 118/3: 235-240, 2007.
10. DOMIJAN, A. M., ŽELJEŽIĆ, D., PERAIĆ, M., **KOVAČEVIĆ, G.**, GREGOROVIĆ, G., KRSTANAC, Ž., HORVATIN, K. & KALAFATIĆ, M. Early toxic effects of fumonisin B1 in rat liver. Hum Exp Toxicol 27: 895-900, 2008.
11. **KOVAČEVIĆ, G.**, GREGOROVIĆ, G., KALAFATIĆ, M. & JAKLINOVIĆ, I. The Effect of Aluminium on the Planarian *Polycelis felina* (Daly.). Water Air Soil Pollut 196: 333-344, 2009.
12. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & LJUBEŠIĆ, N. Effects of Norflurazon on Green and Brown Hydra. Folia Biol (Kraków) 57/1-2: 91-96, 2009.
13. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & HORVATIN, K. Aluminium deposition in hydras, Folia Biol (Kraków). 57/3-4: 139-142, 2009.
14. **KOVAČEVIĆ, G.**, FRANJEVIĆ, D., JELENČIĆ, B. & KALAFATIĆ, M. Isolation and Cultivation of Endosymbiotic Algae from Green Hydra and Phylogenetic Analysis of 18S rDNA Sequences. Folia Biol (Kraków) 58/1-2: 135-143, 2010.
15. **KOVAČEVIĆ, G.**, RADIĆ, S., JELENČIĆ, B., KALAFATIĆ, M., POSILOVIĆ, H. & PEVALEK-KOZLINA, B. Morphological features and isoenzyme characterization of endosymbiotic algae from green hydra. Plant Syst Evol 284/1-2: 33-39, 2010.
16. **KOVAČEVIĆ, G.** Value of the *Hydra* model system for studying symbiosis. Int J Dev Biol 56/5-7: 627-635, 2012.
17. RAJEVIĆ, N., MATKOVIĆ, H., GREGOROVIĆ, G., **KOVAČEVIĆ, G.**, KNEZOVIĆ, L. & KALAFATIĆ M. Behavioral, morphological and histopathological effects of sublethal doses of quercetin on the species *Polycelis felina* (Dalyell). Folia biol (Kraków) 61/1-2: 101-106, 2013.
18. SIROVINA, D., ORŠOLIĆ, N., KONČIĆ, M.Z., **KOVAČEVIĆ, G.**, BENKOVIĆ, V. & GREGOROVIĆ G. Quercetin vs chrysin: Effect on liver histopathology in diabetic mice. Hum Exp Toxicol 2013. DOI: 10.1177/0960327112472993
19. KALAFATIĆ, M., **KOVAČEVIĆ, G.**, ZUPAN, I., FRANJEVIĆ, D., MILIĆ-ŠTRKALJ, I. & TOMAŠKOVIĆ, I. Toxic effects of chlorotolurone on the planarian *Polycelis felina* Daly.. Period biol 103/3: 263-266, 2001.
20. KALAFATIĆ, M., **KOVAČEVIĆ, G.**, LJUBEŠIĆ, N. & ŠUNJIĆ, H. Effects of ciprofloxacin on green hydra and endosymbiotic alga. Period biol 103/3: 267-272, 2001.
21. KALAFATIĆ, M., **KOVAČEVIĆ, G.**, ZUPAN, I. & FRANJEVIĆ, D. Effect of repeated UV-irradiation on *Hydra oligatis* Pallas. Period biol 105/2: 171-175, 2003.
22. KALAFATIĆ, M., **KOVAČEVIĆ, G.**, ZUPAN, I. & FRANJEVIĆ, D. Diflubenzurone toxicity upon the planarian *Dugesia tigrina* (Gir.). Period biol 105/2: 177-180, 2003.

23. **KOVAČEVIĆ, G.**, JELENČIĆ, B., KALAFATIĆ, M. & LJUBEŠIĆ, N. *Chlorella* test. *Period biol* 110/4: 373-374, 2008.
24. **KOVAČEVIĆ, G.**, KALAFATIĆ, M., JELENČIĆ, B. & FRANJEVIĆ, D. Endosymbiotic alga as the stronger evolutionary partner in green hydra symbiosis. *J Endocyt Cell Res* 20: 13-15, 2010.
25. **KOVAČEVIĆ, G.** & MATULIĆ, A. Effects of Quercetin on Green Hydra (*Hydra viridissima* Pallas, 1766). *Int J Biol* 5/3: 57-63, 2013.

Scientific and field meetings

1. **KOVAČEVIĆ, G.**, KALAFATIĆ, M., LJUBEŠIĆ, N. & JELENČIĆ, B. Symbiotic and asymbiotic *Chlorella* in a toxic environment. Abstracts of papers to be presented at the the 8th International Phycological Congress, *Phycologia* 44/4 Suppl: 57, 2005.
2. **KOVAČEVIĆ, G.**, GREGOROVIĆ, G., HORVATIN, K., KRSTANAC, Ž., DOMIJAN, A-M., ŽELJEŽIĆ, D., PERAICA, M. & KALAFATIĆ, M. Fumonisin B1-induced apoptosis in rat liver: Morphometrical study. Abstracts of the EUROTOX 2006/6 CTDC Congress, *Toxicol Lett* 164S: S252, 2006.
3. **KOVAČEVIĆ, G.**, FRANJEVIĆ, D., JELENČIĆ, B. & KALAFATIĆ, M. Isolation and molecular characterization of endosymbiotic alga from green hydra. Abstracts of papers to be presented at the 9th International Phycological Congress, *Phycologia* 48/4 Suppl: 65, 2009.
4. FEBS Advanced Course on Origin and Evolution of Mitochondria and Chloroplasts
KOVAČEVIĆ, G., KALAFATIĆ, M., LJUBEŠIĆ, N. & ŠUNJIĆ, H.
The Effect of Antibiotics on Mitochondria and Chloroplasts of Endosymbiotic Alga from Green Hydra. 31.3-6.4.2001. Hvar. A1
Including SFB TR1 Endosymbiosis: From Prokaryotes to Eukaryotic Organelles, Hvar 2001.
5. MCEM5 - 5th Multinational Congress on Electron Microscopy
KOVAČEVIĆ, G., KALAFATIĆ, M., LJUBEŠIĆ, N. & ŠUNJIĆ, H.
Ultrastructural changes of endosymbiotic alga from green hydra under the influence of ciprofloxacin. Proceedings on 5th Multinational Congress of Electron Microscopy, 20-25.9.2001. Dini, L., Catalano, M. (eds.), Lecce, Italy. 217
6. ICEM15 - 15th International Congress on Electron Microscopy
KOVAČEVIĆ, G., KALAFATIĆ, M., LJUBEŠIĆ, N. & ŠUNJIĆ, H.
Ultrastructures of endosymbiotic *Chlorella vulgaris* under the influence of cinoxacin. Proceedings of the fifteenth International Congress on Electron Microscopy. 1-6.9.2002. Cross, R., Sewell, T., Richards, P. (eds.), Durban, South Africa. 437-438
7. 6MCM.EE- 6th Multinational Congress on Microscopy
KOVAČEVIĆ, G., LJUBEŠIĆ, N. & KALAFATIĆ, M.
Chloroplastal damage as trigger to hydra-alga endosymbiosis breakdown. Proceedings of the 6th Multinational Congress on Microscopy with European Extension, 1-5.6.2003. Milat, O., Ježek, D. (eds.), Pula. 337-338

8. Symposium on Evolution
Institute for Molecular Pathology, Vienna, Austria. 2004.
9. International Workshop Hydra and the Molecular Logic of Regeneration
KOVAČEVIĆ, G., LJUBEŠIĆ, N. & KALAFATIĆ M.
Newly described mechanisms in hydra-alga symbiosis. 19-22.9.2005. Tutzing, Germany. 95
10. 5ISS Congress - 5th International Symbiosis Society Congress
KOVAČEVIĆ, G., LJUBEŠIĆ, N., JELEŃIĆ, B. & KALAFATIĆ, M.
Symbiotic and asymbiotic hydras and algae in a toxic environment. program abstracts participants, 4-10.8.2006. Bright, M., Horn, M., Zook, D., Lückner, Kolar, I. (eds.), Vienna, Austria. 132
11. 5ISS Congress - 5th International Symbiosis Society Congress
HORVATIN, K., **KOVAČEVIĆ, G. & KALAFATIĆ, M.**
Morphological features of green and brown hydra in freshwater ecotoxicology. program abstracts participants, 4-10.8.2006. Bright, M., Horn, M., Zook, D., Lückner, S., Kolar, I. (eds.), Vienna, Austria. 132-133
12. 16th IMC - 16th International Microscopy Congress
KOVAČEVIĆ, G., KALAFATIĆ, M. & LJUBEŠIĆ, N.
From Mutualism to Parasitism. Proceedings of the sixteenth International Microscopy Congress, 3-8.9.2006. Ichinose, H., Sasaki, T. (eds.), Sapporo, Japan. 452
13. 16th IMC - 16th International Microscopy Congress
HORVATIN, K., **KOVAČEVIĆ, G. & KALAFATIĆ, M.**
Comparative Observation of Brown and Green Hydra Susceptibility to Aluminum Ions. Proceedings of the sixteenth International Microscopy Congress, 3-8.9.2006. Ichinose, H., Sasaki, T. (eds.), Sapporo, Japan. 513
14. Timing Age Symposium
Institute for Molecular Pathology, Vienna, Austria. 2006.
15. 7th Keele Meeting on Aluminium Life and Living in the Aluminium Age
KOVAČEVIĆ, G., HORVATIN, K. & KALAFATIĆ, M.
The effect of aluminium on green and brown hydras-preliminary observations. Keele Meeting Abstracts, 24-28.2.2007. Uxmál, Mexico
16. 7th Keele Meeting on Aluminium Life and Living in the Aluminium Age
KOVAČEVIĆ, G., JAKLINOVIĆ I. & KALAFATIĆ, M.
The effect of aluminium on the planarian *Polycelis felina*. Keele Meeting Abstracts, 24-28.2.2007. Uxmál, Mexico
17. Molecules to Mind Symposium
Institute for Molecular Pathology, 14-15.11.2007., Vienna, Austria
18. Life under (re)construction
Research Institute of Molecular Pathology, 13-14.11.2008., Vienna, Austria

19. Međunarodni simpozij/International symposium Darwin 2009
KOVAČEVIĆ, G., FRANJEVIĆ, D., JELEŃIĆ, B. & KALAFATIĆ, M.
Green hydra symbiosis and symbiogenesis. Knjiga sažetaka /
Book of abstracts, 20.2.2009. Kućan, Ž. (ed.), Hrvatska akademija znanosti i umjetnosti
(Croatian Academy of Sciences and Arts), Zagreb. 9
20. International Conference on Intracellular Niches of Microbes
KOVAČEVIĆ, G.
News on Green Hydra Endosymbiosis. 17-20.6.2009. Schaible, U., Haas, A. (eds.), Borstel,
Germany
21. MC2009 - Microscopy Conference 2009
ŽELJEŽIĆ, D. KOVAČEVIĆ, G.
Comet assay of green and brown hydra treated with aluminium. MC2009, Vol. 2: Life Sciences,
30.8.-4.9.2009. Pabst, M. A., Zellnig, G. (eds.), Graz, Austria
22. 31st Congress of the International Limnological Society
KOVAČEVIĆ, G., RADIĆ, S., JELEŃIĆ, B., POSILOVIĆ, H., PEVALEK-KOZLINA, B. &
KALAFATIĆ, M.
Morphological features and isoenzyme characterization of endosymbiotic algae from green
hydra. 15.-20.08.2010. Cape Town, South Africa
23. 37. škola biološke antropologije "Dr. Hubert Maver" (37. School of Biological Anthropology)
Neandertalci iz Vindije i njihovo mjesto u prošlosti
Hrvatska akademija znanosti i umjetnosti (Croatian Academy of Sciences and Arts), Zagreb;
Muzej krapinskih neandertalaca (Krapina Neanderthal Museum), Krapina, 23.10.2010.
24. Origin of Life
Institute for Molecular Pathology, 18-19.11.2010., Vienna, Austria
25. Microscopy Conference 2011
KOVAČEVIĆ, G., LJUBEŠIĆ, N., HORVATIN, K., BRČIĆ, L. & KALAFATIĆ, M.
Ultrastructural mechanisms of green hydra symbiosis: morphometrical characterization. 28.8.-
2.9.2011. Kiel, Germany
26. 38. škola biološke antropologije "Dr. Hubert Maver" (37. School of Biological Anthropology)
Suvremena istraživanja paleolitika u južnoj i središnjoj Europi, Zagreb, 27.10.2011.
27. 12th International Symposium on Flatworm Biology
MATKOVIĆ, H., RAJEVIĆ, N., GREGOROVIĆ, G., **KOVAČEVIĆ, G.**, KNEZOVIĆ, L. &
KALAFATIĆ, M.
The effect of quercetin on the species *Polycelis felina* (Daly.). 11.-16.6.2102. Stockholm,
Sweden

28. 7th International Symbiosis Society Congress „The earth's vast symbiosphere“
KOVAČEVIĆ, G., GREGOROVIĆ, G., PALOŠIKA, M. & JELEŃIĆ, B.
 Effects of aluminium and norflurazon on isolated algae from green hydra (*Hydra viridissima* Pallas) and related free-living species. Book of Abstracts. 22.-28.7.2012. Turnau, K., Zook, D., Mleccko, P., Piątek, M., Śliwa, L., Zubek, S. (eds.), Kraków, Poland. 77
 Including the Interactive workshop/sharing of living symbiotic systems with experts – The Hydra symbiosis workshop
29. Sedmi Hrvatski biološki kongres/Seventh Croatian Biological Congress
KOVAČEVIĆ, G., KALAFATIĆ, M., LJUBEŠIĆ, N. & ŠUNJIĆ, H.
 Utjecaj kloramfenikola na simbiozu alge i hidre. Zbornik sažetaka priopćenja Sedmog Hrvatskog biološkog kongresa/Proceedings of abstracts of the papers of the Seventh Croatian congress of Croatian biologists, 24-29.9.2000. Ljubešić, N. (ed.), Hvar. 181-182
30. 2nd Croatian Congress on Microscopy with International Participation
KOVAČEVIĆ, G. & KALAFATIĆ, M.
 The effect of norflurazon on green and brown hydra. Proceedings, 18-21.5.2006. Gajović, S. (ed.), Topusko. 199-200
31. 2nd Croatian Congress on Microscopy with International Participation
 HORVATIN, K., **KOVAČEVIĆ, G.** & KALAFATIĆ, M.
 Observation of brown hydra susceptibility to aluminum ions. Proceedings, 18-21.5.2006. Gajović, S. (ed.), Topusko. 197-198
32. 2nd Croatian Congress on Microscopy with International Participation
 KOLUNDŽIĆ, E. & **KOVAČEVIĆ, G.**
 Hemocyte comparison in stick insect and cockroaches. Proceedings, 18-21.5.2006. Gajović, S. (ed.), Topusko. 105-106
33. 11. Hrvatski biološki kongres/11th Croatian Biological Congress
 RAJEVIĆ, N., JELENKOVIĆ, D., GREGOROVIĆ, G., **KOVAČEVIĆ, G.**, NEMET, I., RONČEVIĆ, S., KNEZOVIĆ, L. & KALAFATIĆ, M.
 Učinak silicija na vrstu *Polycelis felina* (Daly.) (Platyhelminthes, Turbellaria, Tricladida) u laboratorijskim uvjetima. Zbornik sažetaka 11. Hrvatskog biološkog kongresa/Book of abstracts of the 11th Croatian Biological Congress, 16.-21.9.2012. Jelaska, S.D., Klobučar, G.I.V., Šerić Jelaska, L., Leljak Levanić, D., Lukša, Ž. (eds.), Šibenik. 264-265
34. 4th Croatian Congress of Toxicology with international participation
 RAJEVIĆ, N., JELENKOVIĆ, D., GREGOROVIĆ, G., **KOVAČEVIĆ, G.**, NEMET, I., RONČEVIĆ, S., KNEZOVIĆ, L., KALAFATIĆ, M. & KOCIJAN, I.
 The effect of aluminium and silicon on the planarian *Polycelis felina* (Daly.). Abstracts of the 4th Croatian Congress of Toxicology (CROTOX 2012), 2.-5.10.2012. Kopjar, N., Macan, J., Kosalec, I., Sollner Dolenc, M. (ur.), Primošten. 23
35. Croatian Microscopy Symposium/Hrvatski mikroskopijski simpozij
KOVAČEVIĆ, G., ČOLIĆ, I., CVRTILA, A. & IVŠIĆ, M.
 How do endosymbiotic algae from green hydra respond to hydra growing media? Book of Abstracts/Knjiga sažetaka, 16.-17.11.2012. Gajović, A., Tomašić, N. (eds.), Pula. 61-62

36. Croatian Microscopy Symposium/Hrvatski mikroskopijski simpozij
KOVAČEVIĆ, G., GREGOROVIĆ, G., MATIJEVIĆ, A. & KALAFATIĆ, M.
Toxic effect of iron on green and brown hydra (*Hydra viridissima* and *Hydra oligactis* Pallas).
Book of Abstracts/Knjiga sažetaka, 16.-17.11.2012. Gajović, A., Tomašić, N. (eds.), Pula. 63-64
37. Croatian Microscopy Symposium/Hrvatski mikroskopijski simpozij
MAŽURAN, N., KLOBUČAR, G. & **KOVAČEVIĆ, G.**
Effect of the Oil Industry High Density Brines on Tissues of *Planorbarius corneus* L. Book of Abstracts/Knjiga sažetaka, 16.-17.11.2012. Gajović, A., Tomašić, N. (eds.), Pula. 69-70
38. 50 godina molekularne biologije u Hrvatskoj / 50 years of molecular biology in Croatia
KOVAČEVIĆ, G., FRANJEVIĆ, D., JELENČIĆ, B. & KALAFATIĆ, M.
Molekularno filogenetska karakterizacija endosimbiotske alge iz zelene hidre. 20-21.11.2008.
Zahradka, K., Plohl, M., Ambriović-Ristov, A. (eds.), Zagreb. 28

Books

Chapter in a scientific book

1. **KOVAČEVIĆ, G.**, STEINER, J. & LÖFFELHARDT, W. (2009) 29 Cyanobacterial and Algal Symbioses. In: Intracellular Niches of Microbes-A Pathogens Guide through the Host Cell, Schaible, U. E., Haas, A.. (eds.), Wiley-VHC Verlag GmbH & Co. KGaA, Weinheim. 527-546.

Handbooks

1. KOVAČEVIĆ, G. Praktikumski priručnik Simbioza hidre i alge (Handbook on greeny hydra symbiosis), 2013.
2. DOLENEC, Z., **KOVAČEVIĆ, G.**, KOVAČEVIĆ, V. & ŠKARE V. Priroda 5, Priručnik za Nastavnike (Handbook for teachers). Školska knjiga, Zagreb, 2003.
3. DOLENEC, Z. & **KOVAČEVIĆ, G.** Priroda 5, Priručnik za nastavnike (Handbook for teachers). Školska knjiga, Zagreb, 2006.

Field papers

1. **KOVAČEVIĆ, G.** Ekotoksikološki učinak talija (thallium, Tl). Priroda 89/12: 32, 1999.
2. KALAFATIĆ, M. & **KOVAČEVIĆ, G.** Najnovija otkrića o evoluciji čovjeka. Priroda 90/11: 6-9, 2000.
Večernji list, 10.11.2000., Iz domaćeg i inozemnog tiska- Publikacija pod 2.
3. KALAFATIĆ, M. & **KOVAČEVIĆ, G.** Zelena hidra-kozmpolitski endosimbiont. Hrvatska vodoprivreda IX/98: 56-57, 2000.
4. **KOVAČEVIĆ, G** & KALAFATIĆ, M. Planarija. Hrvatska vodoprivreda X/101: 48-49, 2001.
5. KALAFATIĆ, M., **KOVAČEVIĆ, G.** & IVKOVIĆ, M. Umjetnička dostignuća paleolitskog čovjeka. Priroda 93/4: 40-42, 2003.

6. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & JOSIPOVIĆ, P. Kompjutorska paleoantropologija. *Priroda* 93/5-6: 30-32, 2003.
7. KALAFATIĆ, M., **KOVAČEVIĆ, G.** & VITEZIĆ, M. Prvi Europljani. *Priroda* 93/12: 28-31, 2003.
8. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & BOŽAK, I. Doba ledenog čovjeka (I). *Priroda* 94/2: 38-41, 2004.
9. **KOVAČEVIĆ, G.**, KALAFATIĆ, M. & BOŽAK, I. Doba ledenog čovjeka (II). *Priroda* 94/3: 38-39, 2004.
10. FRANJEVIĆ, D., **KOVAČEVIĆ, G.** & KALAFATIĆ, M. Koje su kosti najmanje u ljudskom tijelu? *Priroda* 96/950: 56-58, 2006.
11. IVŠIĆ, M. & **KOVAČEVIĆ, G.** Kambrijska eksplozija. *Priroda* 3/13, 2013.
12. ČOLIĆ, I. & **KOVAČEVIĆ, G.** Bipedalizam u australopiteka. *Priroda* 5/13, 2013.