

Brigita Čapukoitienė

CONTACT INFORMATION

Address Verkių str. 98, Vilnius LT- LT12201, Lithuania
Tel. no.:
E-mail: brigita.capukoitiene@gamtc.lt

EDUCATION AND ACADEMIC DEGREE

2005 – 2009 Biomedical sciences, biology (01 B) mikrobiology, bacteriology, virology, mycology (B 230) doctoral dissertation Vilnius university, Institut of Botany Nature research centre.
Doctoral thesis: „The expression of *Saccharomyces cerevisiae* K2 preprotoxin gene in plant *Nicotiana tabacum* L. and the research of toxins producing mikroorganisms and the analysis of their use“
Supervisor – dr. V. B. Melvydas

2002 - 2004 Vilnius university, Genetics / Master degree
Master thesis: „An expression study of the K2-type killer preprotoxin gene in the yeast *Saccharomyces cerevisiae*,,
Institut of Botany, Laboratory of Genetics

1998 – 2002 Vilnius university, Biology / Bachelor degree
Bachelor thesis: „Investigation of human hepatocyte proteins interacting with hepatitis B virus core protein using the two-hybrid system“
Institute of Biotechnology, Department of eucaryote gene engineering

PROFESSIONAL EXPERIENCE

2017 09 – **Biologist**
now Laboratory of Ecotoxicology, Nature Research Centre

2009 – 2012 **Junior researcher**
Laboratory of Genetics, Institute of Botany, Nature Research Centre

2004 – 2005 **Engineer**
Laboratory of Genetics, Institute of Botany

2005 – 2009 **PhD student**
Laboratory of Genetics, Institute of Botany

RESEARCH INTERESTS

Genotoxicology, ecotoxicology.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):

1. Stankevičiūtė, M., Sauliūtė, G., Makaras, T., **Čapukoitienė, B.**, Vansevičiūtė, G., Markovskaja, S. (2022) Biomarker responses in perch (*Perca fluviatilis*) under multiple stress: Parasite co-infection and multicomponent metal mixture exposure. *Environmental Research*, 207: art. no. 112170.
2. Stankevičiūtė, M., Makaras, T., Pažusienė, J., **Čapukoitienė, B.**, Sauliūtė, G., Jurgelėnė, Ž., Raudonytė-Svirbutavičienė, E., Jokšas, K. (2021) Biological effects of multimetal (Ni, Cd, Pb, Cu, Cr, Zn) mixture in rainbow trout *Oncorhynchus mykiss*: Laboratory exposure and recovery study. *Ecotoxicology and Environmental Safety*, 216: art. no. 112202.

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

Sauliūtė, G., Stankevičiūtė, M., Pažusienė, J., Makaras, T., **Čapukoitienė, B.**, Markovskaja, S., Markuckas, A. 2022. Induction of catalase and metallothionein in salmonid fish under multiple stress exposure. *Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. 3757A.

Reviewed scientific articles, published in Lithuania:

1. Melvydas, V., Gedminienė, G., **Čapukoitienė, B.**, Pilevičienė, S., Lebionka, A. 2009. Investigation of killer and adhesive properties of new microorganisms originated from Lithuania and Polar Ural. *BOTANICA LITHUANICA* 15(3): 217-223.
2. **Čapukoitienė, B.**, Karalius, V., Servienė, E., Proscėvičius, J., Melvydas, V. 2008. Expression of yeast *Saccharomyces cerevisiae* K2 preprotoxin gene in transgenic plants. *SODININKYSTĖ IR DARŽININKYSTĖ* 27(2): 319-327.
3. Melvydas, V., Gedminienė, G., Jarmalaitė, I., **Čapukoitienė, B.**, Nemceva, L. 2006. Initial analysis of highly competitive yeast strains promising for ethanol industry. *BIOLOGIJA* 3: 63-66.
4. Melvydas, V., Servienė, V., **Čapukoitienė, B.**, Petkūnienė, G., Lebionka, A. 2006. Toksinus produkuojančių mikroorganizmų paieška ir jų antipatogeninių savybių pradinis tyrimas. *SODININKYSTĖ IR DARŽININKYSTĖ* 25(2): 91-98.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

- 2017 – 2022 **Secondary project implementer**, researcher groups project „Assessment of cumulative toxicity impact in the aquatic organisms induced by different types of stressors (ACTIS)“, Research Council of Lithuania, project no. S-MIP-17-10 (Principal investigator: dr. Laura Butrimavičienė).
- 2021 – 2024 **Secondary project implementer**, researcher groups project „Multiple stressors on threshold levels: interactive effects of parasites infestation and pollution in aquatic organisms (MULTIS)“. Research Council of Lithuania, project no. S-MIP-21-10.

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Sauliutė, G., **Stankevičiūtė, M.**, Pažusienė, J., Makaras, T., Čapukoitienė, B., Markovskaja, S., Markuckas, A. 2022. Induction of catalase and metallothionein in salmonid fish under multiple stress exposure. *Protection and Restoration of the Environment XVI*, July 5-8, 2022, Kalamata, Greece. <http://www.prexvi.civil.upatras.gr/>
2. Sauliutė G., Markuckas A., Čapukoitienė B., **Stankevičiūtė M.** 2020. Response patterns of biomarkers in different fish species exposed to multicomponent metal (Cd, Cr, Cu, Ni, Pb and Zn) mixture. – *63rd International Conference for Students of Physics and Natural Sciences „Open Readings“*. March 17-20, 2020. Vilnius, Lithuania. <https://www.openreadings.eu/wp-content/uploads/2020/04/knyga20N.pdf>