

## Curriculum vitae

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6. Position: Researcher, PhD
7. Key words: glutathione S-transferases, detoxification, ecological toxicology, enzymology, fish
8. Number of main publications: 15
9. Some publications:

Borvinskaya E.V., Nemova N.N. and Smirnov L.P. Glutathione S-transferase in northern freshwater fish: the effect of water mineralization // Doklady Biological Sciences, 2011, V. 436. pp. 1–3. [In Russian]

Borvinskaya E.V. and Smirnov L.P. Some methodical details of glutathione S-transferase activity measurement in fish tissues // Uchenie zapisky PetrGU, 2010. V. 6. pp. 19-21. [In Russian]

Borvinskaya E.V., Smirnov L.P., Nemova N.N. Fish glutathione S-transferases: potential ecological biochemical indicators of anthropogenic impact in aquatic systems. A review // Trudy KarRC RAS, 2009. V. 3. pp. 8-20. [In Russian]

Borvinskaya E.V., Smirnov L.P., Suhovskaya I.V., Nemova N.N.. Glutathione S-transferase from northern freshwater fish: the effect of water mineralization // Trudy KarRC RAS, 2010. V. 2. pp. 68-71. [In Russian]

10. Conferences:

**September 2011, Borok, Russia.**

Borvinskaya E.V., Smirnov L.P., Sukhovskaya I.V., N.N. Nemova. Detoxification system of fish from the Kostomuksha lake under technogenic pollution // Present state of inland waters bioresources. (ORAL)

**August 2011, Petrozavodsk, Russia**

Borvinskaya E.V., Smirnov L.P., N.N. Nemova. Characterization of pike liver glutathione S-transferase // V Russian symposium «Proteins and peptides» (POSTER)

**September 2010, Petrozavodsk, Russia**

Borvinskaya E.V., Smirnov L.P., Sukhovskaya I.V. Glutathione S-transferase activity from the northern fresh-water fish under mineral contamination // The First International Seminar and PhD Workshop “Arctic and Subarctic Biological Resources - Potential for Biotechnology: Challenges and Innovations”. (POSTER)

**June 2010, Petrozavodsk, Russia**

Borvinskaya E.V., Sukhovskaya I.V., Smirnov L.P. The effect of mineral contamination on fish glutathione S-transferase activity // The Third International Conference and PhD Workshop “Current Problems of Physiology and Biochemistry of Water Organisms”. (ORAL)

**May 2010, Ohrid, Republic of Macedonia**

Borvinskaya E.V., Smirnov L.P., Nemova N. N. A comparative study of glutathione transferase activity in whitefish (*Coregonus lavaretus*) from basins with different pollution levels // Fourth International Conference on Water Observation and Information System for Decision Support BALWOIS 2010. (ORAL)

**October 2009, Petrozavodsk, Russia**

Borvinskaya E.V., Smirnov L.P., Sukhovskaya I.V. Tissue specialty of glutathione S-transferase in whitefish *Coregonus lavaretus* // XXVIII International Conference “Biological Resources of The Sea and Inland Waters of European North”. (POSTER)

**May 2009, Moscow, Russia**

Borvinskaya E.V., Sukhovskaya I.V. Mercury effect on thiol-containing low molecular weight peptides of rat tissues // 17th International Conference on Environmental Bioindicators. (POSTER, ORAL)

13. Methods used: Spectrophotometry methods, gel-filtration, ion exchange chromatography, affinity chromatography, isoelectric focusing and electrophoresis.

14. Internet resources:

[http://balwois.com/balwois/administration/full\\_paper/ffp-1640.pdf](http://balwois.com/balwois/administration/full_paper/ffp-1640.pdf)

Borvinskaya E.V. A comparative study of glutathione transferase activity in whitefish (*Coregonus lavaretus*) from basins with different pollution levels/ E.V. Borvinskaya, L.P. Smirnov, N. N. Nemova// Fourth International Conference on Water Observation and Information System for Decision Support "BALWOIS 2010". BALWOIS Abstracts and Proceedings. Ohrid, 25-29 may 2010.