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### **BRIEF BIOGRAPHY**

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<https://scholar.google.com/citations?user=O3MDP3wAAAAJ&hl=ru>

<https://www.researchgate.net/profile/Irina-Shtangeeva>

[http://earth.spbu.ru/en/structure/staff/staff-A-Z\\_1199.html](http://earth.spbu.ru/en/structure/staff/staff-A-Z_1199.html)

### **Research interest:**

Soil Analysis, Soil Chemistry, Biogeochemistry, Phytoremediation, Trace Elements, Rhizosphere

Irina Shtangeeva is senior researcher at St. Petersburg State University, Russia. Her scientific interests are biogeochemistry of trace and ultratrace elements, phytoremediation of contaminated soils and multivariate statistical analysis.

Recently Dr. Shtangeeva paid main attention to short-term variations in concentrations of macro- and trace elements in plants and rhizosphere soil that are due to circadian rhythmic changes and effects of interrelations between root exudates of different plant species on uptake of elements.

She published more than 50 indexed publications, three (3) books, two chapters book (Nova Science Publishers and Elsevier).