

Name	Marina Nadporozhskaya
Position	Assistant professor
Affiliation	Saint Petersburg State University
Higher education	<ul style="list-style-type: none"> • 2015 M.Sc. in Theory and methodology of teaching (natural sciences), St. Petersburg Academy of Postgraduate Education, Russia • 1976-1981 M.Sc. in Soil Science and Agrochemistry, Leningrad State University, Russia (Soil development in Chauna Lowland (Chukotka))
Academic career	<ul style="list-style-type: none"> • 2001 PhD. in Soil Science, Agrarian University, Pushkin, Russia (Modelling of plant debris and soil organic matter transformation)
Teaching activities	<p>Saint Petersburg State University</p> <p>M.Sc. courses: Ecosystems of Eastern Europe (Soils) (In Russian) Productivity of Ecosystems (In Russian) Environmental consequences of technogenic accidents (In Russian) Agrochemistry of macroelements, special chapters: potassium and phosphorus (In Russian) M.Sc. POMOR: Agrochemistry of macroelements, special chapters: potassium and phosphorus (in English) M.Sc. CORELIS: Humic Substances and Organic Matter of Permafrost Affected Soils and Sediments (in English)</p> <p>B.Sc. courses: Mathematics modeling in soil science and agrochemistry (In Russian) Rational nature management (In Russian)</p>
Research and development projects during the past 5 years	<p>2015-2016. RFBR 15-04-08707 „The influence of the lithogenic factor on the transformation of organic matter in the soils of pine forests” (Head of the project)</p> <p>2015-2016. RFBR 15-04-06118. Soils of the Antarctic Peninsula: formation conditions, diversity and role in the functioning of terrestrial ecosystems (Participant)</p>
Significant publications during the past 5 years	<p>Selected publications from overall 72</p> <p>Nadporozhskaya M.A., Abakumov E.V., Khoras Yu.S.'kina, Bykhovets S.S., Shanin V.N., Komarov A.S. (2017). Assessment of the possible dynamics of organic matter in soil in Antarctica under conditions of climate change using the ROMUL mathematical model. Earth Cryosphere, Vol. XXI, № 1, p. 57-65. DOI:10.21782/KZ1560-7496-2017-1(57-65)</p> <p>Lvova L., Nadporozhskaya M. (2017). Chemical sensors for soil analysis, principles and applications: from theoretical development till practical implementation // Nanotechnology In Food Industry, Volume 10. Agriculture Sensors to monitor soil conditions / Alexandru Mihai Grumezescu, Editor of Nanotechnology in Food Industry. Elsevier, 2017. DOI: 10.1016/B978-0-12-804299-1.00018-7. In book: New Pesticides and Soil Sensors, pp.637-678 http://proxy.library.spbu.ru:2083/10.1016/B978-0-12-804299-1.00018-7</p> <p>Chertov O., Nadporozhskaya M. Development and application of Humus form concept for soil classification, mapping and dynamic modelling in Russia //</p>

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	<p>Applied Soil Ecology. http://dx.doi.org/10.1016/j.apsoil.2017.04.006</p> <p>Komarov A.S., Chertov O.G., Zudin S.L., Mikhailov A.V., Zudina E.V., Grabarnik P. Ya., Shanin V.N., Nadporozhskaya M.A., Bykhovets S.S., Zubkova E.V. EFIMOD is an imitation model of the biological cycle in forest ecosystems. State registration of the computer program. Registration number 2016662874 dated November 25, 2016.</p> <p>Abakumov E.V., Nadporozhskaya M.A., Fedoros E.V. Patent. Humic-mineral reagent, the method of its production and the method of its use for cleaning contaminated soils. 2014. http://apps.webofknowledge.com/Search.do?product=UA&SID=N2sXL4wnaSmWTFa8mHf&</p> <p>Nadporozhskaya M.A., Chertov O.G., Abakumov E.V. Determination of the optimal doses of organic fertilizers for plant protection by the computing experiments with mathematical model ROMUL/ V.A.Pavljushin, N.N.Semenova (Eds). Mathematical modeling in plant protection. Dedicated to the memory of Professor R.A. Poluektov. All - Russian Research Institute of Plant Protection (VIZR), Saint-Petersburg, 2014, 76 p. ISBN 978 - 5-93717-063-7. P. 31-36</p>
Activities in scientific organizations and associations during the past 5 years	<p>Expert of the Russian Science Foundation</p> <p>Reviewer of the Journals: Ecological Modelling, Applied Soil Ecology, Biosphere (In Russian), Biological Communications (Vestnik SPbU. Serie 3. Biology)</p>