

## Potential scientific supervisors: Earth & Environmental Sciences for Sustainability

№	Surname	Name	University	Scientific interests	Link to portfolio
1.	Salama	Elsayed Said Mohamed	Peoples' Friendship University of Russia named after Patrice Lumumba	1) mapping and classification of soils, 2) assessment of land suitability and capacity, 3) land and water management, 4) mapping and modeling changes in land use and cover, 5) land use planning, 6) study of land degradation and desertification, 7) development of sustainable agricultural and land use methods, as well as monitoring and control of environmental risks.	<a href="https://scholar.google.com/citations?user=mGYFSVwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mGYFSVwAAAAJ&amp;hl=en</a>
2.	Vatin	Nikolay	Peter the Great St Petersburg Polytechnic University	Energy efficiency, construction, energy, resource conservation, structural energy conservation, environmental protection, enclosing structures, climate-adaptive structures, energy modeling, green construction	<a href="https://opendoors.spbstu.ru/files/supervisors_portfolio/vatin.pdf">https://opendoors.spbstu.ru/files/supervisors_portfolio/vatin.pdf</a>
3.	Kuznetsov	Eduard	Ural Federal University named after the first President of Russia B.N. Yeltsin	Study of dynamic evolution of space debris in the vicinity of the region of motion of satellites of global navigation systems in both medium and geosynchronous orbits. Study of stability and stochastic properties of orbital evolution.; Study of variations in the coordinates of continuous operating reference station network. Estimation of the accuracy of determining the coordinates of continuous operating reference station in mid-latitudes region depending on solar and geomagnetic activity, the value of the total electron content and the relative humidity of the neutral	<a href="https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/eduard-d-kuznetsov/">https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/eduard-d-kuznetsov/</a>

				atmosphere; Investigation of the applicability of radar interferometry for deformation monitoring of both natural and artificial objects. Comparison of the accuracy of estimates obtained by radar interferometry with ground-based measurements.	
4.	Kulikova	Elena	University of Science and Technology MISIS	Filtration reliability of underground structures, risk analysis in the development of the underground space of cities, underground urbanism, construction geotechnology; environmental safety of the development of the underground space of cities	<a href="https://en.misis.ru/university/events/olimpiad/2023-09/4849/">https://en.misis.ru/university/events/olimpiad/2023-09/4849/</a>
5.	Mikhailov	Yuri	Ural Federal University named after the first President of Russia B.N. Yeltsin	Ecosystem monitoring in the conditions of climate change; Ecology of phytophagous insects; Systematics and ecology of leaf beetles; Alpine biodiversity	<a href="https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/yuri-y-mikhailov/">https://urfu.ru/en/research/postgraduate-programs-in-english/admission-options/open-doors-olympiad/research-supervisors/yuri-y-mikhailov/</a>
6.	Pakina	Elena	Peoples' Friendship University of Russia named after Patrice Lumumba	Reducing the pesticide load in crop production with the possibility of using non-chemical plant protection products and nanopreparations	<a href="https://www.researchgate.net/profile/Elena-Pakina">https://www.researchgate.net/profile/Elena-Pakina</a>
7.	Panasyuk	Mikhail	Kazan (Volga region) Federal University	Economic geography Social geography Spatial analysis Territorial socio-economic systems modelling Geoinformation systems	<a href="https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_587202088/Panasyuk.M.V..Portfolio.pdf">https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_587202088/Panasyuk.M.V..Portfolio.pdf</a>
8.	Politaeva	Natalia	Peter the Great St Petersburg Polytechnic University	Nature-like technologies for improving environmental quality.	<a href="https://opendoors.spbstu.ru/files/supervisors_portfolio/politaeva.pdf">https://opendoors.spbstu.ru/files/supervisors_portfolio/politaeva.pdf</a>
9.	Prokhorov	Vadim	Kazan (Volga region) Federal University	Biodiversity and conservation, vegetation, distribution modeling	<a href="https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_2140066555/Prokhorov.portfolio.pdf">https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_2140066555/Prokhorov.portfolio.pdf</a>

## LIST OF POTENTIAL SCIENTIFIC SUPERVISORS

10.	Pudovic	Elena	Kazan (Volga region) Federal University	Socio-economic mapping, geoinformatics, spatial analysis, economic demography, thematic mapping, GIS analysis, population settlement.	<a href="https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_1937719467/Pudovik.E.M.Portfolio.pdf">https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F_1937719467/Pudovik.E.M.Portfolio.pdf</a>
11.	Redina	Margarita	Peoples' Friendship University of Russia named after Patrice Lumumba	1) Ecological and economic assessments of enterprises of raw materials industries 2) Ecological and economic justification of environmental protection methods/ introduction of new production technologies (on the example of a specific method, technology) 3) Ecological and economic justification of the company's sustainable development program	<a href="https://eng.rudn.ru/science/rudn-scientists/margarita-redina/">https://eng.rudn.ru/science/rudn-scientists/margarita-redina/</a>
12.	Maxim A. Rudmin		Tomsk Polytechnic University	Scientific interests are as follows: ore deposits, ooidal ironstones, clay minerals, sedimentary basins, glauconite, mineral fertilizers, controlled release fertilizers.	<a href="https://tpu.ru/upload/medialibrary/c1f/whuhne6ntqqcb4r73gm0556bp2g4d3qm/Rudmin-AYA.pdf">https://tpu.ru/upload/medialibrary/c1f/whuhne6ntqqcb4r73gm0556bp2g4d3qm/Rudmin-AYA.pdf</a>
13.	Sergienko	Olga	ITMO University	1. Implementation of the principles of the best available techniques and cleaner production 2. Life cycle assessment of new materials, products, and services 3. Environmental, social and economic aspects of the life cycle of alternative energy technologies and environmental protection technique	<a href="https://aspirantura.itmo.ru/?main=43">https://aspirantura.itmo.ru/?main=43</a>
14.	Silantiev	Vladimir	Kazan (Volga region) Federal University	Paleontology and stratigraphy of the Permian of East European Platform and Siberia. Geochronology of Permian-Triassic Boundary. Upper Palaeozoic non-marine bivalves: paleontology and biostratigraphy. Geological Heritage.	<a href="https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F1858373873/Silantev.portfolio.pdf">https://kpfu.ru/portal/ias_utils.file_download?p_table_id=4&amp;p_file=F1858373873/Silantev.portfolio.pdf</a>

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15.	Anna Talovskaya		Tomsk Polytechnic University	Geochemical environmental monitoring in urban and mining areas. Description of geochemical regularities in formation of particulate load, chemical and mineral composition of atmospheric aerosols in natural and anthropogenic conditions using natural scavengers of pollutants (snow cover, road dust). Geoindicators of atmospheric air changes under the impact of anthropogenic factors	<a href="https://tpu.ru/upload/medialibrary/c66/trdixqs61z0id7pi1dwjf8d514od6lb4/Talovska-A.V.-_AYA_.pdf">https://tpu.ru/upload/medialibrary/c66/trdixqs61z0id7pi1dwjf8d514od6lb4/Talovska-A.V.-_AYA_.pdf</a>
16.	Kharlamova	Marianna	Peoples' Friendship University of Russia named after Patrice Lumumba	1. Technologies for accelerating the decomposition of bioorganic wastes and elimination of unpleasant odors (prevention of the formation of volatile organic compounds) 2. Reclamation of accumulated environmental damage objects (IWC), including landfills, landfills, eutrofied reservoirs 3. Improvement of mechanisms for treating municipal wastewater 4. Improvement of the MSW management system	<a href="https://eng.rudn.ru/science/rudn-scientists/marianna-kharlamova/">https://eng.rudn.ru/science/rudn-scientists/marianna-kharlamova/</a>
17.	Cheskidov	Vasilii	University of Science and Technology MISIS	geological and economic assessment of deposits, mine to mill optimization, geomallurgy, modeling of geological objects, evaluation of mining projects, processing and interpretation of geological data	<a href="https://en.misis.ru/university/events/olimpiad/2023-09/4849/">https://en.misis.ru/university/events/olimpiad/2023-09/4849/</a>
18.	Chusov	Aleksandr	Peter the Great St Petersburg Polytechnic University	Geocological justification of technologies for processing production and consumption waste. Geocological justification of the design, design and safe placement of engineering structures during the construction, operation, conservation and liquidation of construction industry facilities.	<a href="https://opendoors.spbstu.ru/files/supervisors_portfolio/chusov_eng.pdf">https://opendoors.spbstu.ru/files/supervisors_portfolio/chusov_eng.pdf</a>