

**Сведения о научном руководителе диссертации** *Ксенофонтовой Натальи Андреевны*  
«Разнообразие и экологические функции метаболически активных прокариотных сообществ почв, загрязненных нефтью и полициклическими ароматическими углеводородами»

**Научный руководитель:** Манучарова Наталия Александровна

**Ученая степень:** доктор биологических наук

**Ученое звание:** профессор

**Должность:** профессор кафедры биологии почв

**Место работы:** факультет почвоведения ФГБОУ ВО «Московский государственный университет имени М.В. Ломоносова»

**Адрес места работы:** 119234, г. Москва, Ленинские горы д.1, стр. 12

**Тел.:** 8-495-939-34-05

**E-mail:** *manucharova@mail.ru*

Список основных научных публикаций по специальности 1.5.11. Микробиология за последние 5 лет:

1. *Ivanova Anna E., Denisova E., Musinguzi P., Opolot E., Tumuhairwe J.B., Pozdnyakov L., Manucharova N., Ilichev I., Stepanov A., Krasilnikov P.* Biological Indicators of Soil Condition on the Kabanyolo Experimental Field, Uganda //Agriculture. – 2021. – Т. 11. – №. 12. – С. 1228.
2. *Bloor MC, Kiryushina A., Kydralieva K., Bondarenko L., Pozdnyakov L., Manucharova N., Terekhova V.* Divergent Effects of Antibiotics on Plants and Microbiota in Soils with Contrasting Humus Content //Water, Air, & Soil Pollution. – 2021. – Т. 232. – №. 12. – С. 1-10.
3. *Manucharova Natalia A., Pozdnyakov Lev A., Vlasova Anastasiya P., Yanovich Anastasiya S., Ksenofontova Natalia A., Kovalenko Maria A., Stepanov Pavel Y., Gennadiev Alexander N., Golovchenko Alla V., Stepanov Alexey L.* Metabolically Active Prokaryotic Complex in Grassland and Forests' Sod-Podzol under Polycyclic Aromatic Hydrocarbon Influence //Forests. – 2021. – Т. 12. – №. 8. – С. 1103.
4. *Manucharova Natalia A., Pozdnyakov Lev A., Vlasova Anastasiya P., Yanovich Anastasiya S., Ksenofontova Natalia A., Kovalenko Maria A., Stepanov Pavel Y., Gennadiev Alexander N., Golovchenko Alla V., Stepanov Alexey L.* Microbial Degradation of Petroleum and Polycyclic Aromatic Hydrocarbons from Sod-Podzolic Soil //Microbiology. – 2021. – Т. 90. – №. 6. – С. 743-753.

5. *Cheptsov V.S., Vorobyova E.A., **Manucharova N.A.**, Gorlenko M.V., Pavlov A.K., Rozanova M.S., Lomasov V.N., Belov A.A., Chumikov A.E.* Prokaryotic Community of the Ancient Antarctic Permafrost after Irradiation with Gamma Rays under Simulated Martian Conditions //Eurasian Soil Science. – 2021. – Т. 54. – №. 3. – С. 417-423.
6. ***Manucharova N.A.**, Ksenofontova N.A., Belov A.A., Kamenskiy N.N., Arzamazova A.V., Zenova G.M., Kinzhaev R.R., Trofimov S.Ya, Stepanov A.I.* Prokaryotic component of oil-contaminated oligotrophic peat soil under different levels of mineral nutrition: Biomass, diversity, and activity //Eurasian Soil Science. – 2021. – Т. 54. – №. 1. – С. 89-97.
7. *Belov Andrey A., Cheptsov Vladimir S., **Manucharova Natalia A.**, Ezhelev Zakhar S.* Bacterial communities of Novaya Zemlya archipelago ice and permafrost //Geosciences. – 2020. – Т. 10. – №. 2. – С. 67.
8. *Dobrovolskaya T.G., Golovchenko A.V., Yurchenko E.N., Yakushev A.V., **Manucharova N.A.**, Lysak L.V., Kostina N.V.* Bacterial communities of regressive spots in ombrotrophic bogs: structure and functions //Microbiology. – 2020. – Т. 89. – №. 1. – С. 107-114.
9. ***Manucharova N.A.**, Ksenofontova N.A., Karimov T.D., Vlasova A.P., Zenova G.M., Stepanov A.L.* Changes in the phylogenetic structure of the metabolically active prokaryotic soil complex induced by oil pollution //Microbiology. – 2020. – Т. 89. – №. 2. – С. 219-230.
10. *Pavel Ivanov, **Manucharova Natalia**, Nikolaeva Svetlana, Safonov Alexey, Krupskaya Viktoria, Chernov Mikhail, Eusterhues Karin, Totsche Kai Uwe* Glucose-stimulation of natural microbial activity changes composition, structure and engineering properties of sandy and loamy soils //Engineering Geology. – 2020. – Т. 265. – С. 105381.
11. *Стома Г.В., **Мануچارова Н.А.**, Белокопытова Н.А.* Биологическая активность микробных сообществ в почвах некоторых городов России //Почвоведение. – 2020. – №. 6. – С. 703-715.
12. *Dobrovolskaya T.G., Golovchenko A.V., Yurchenko E.N., Yakushev A.V., **Manucharova N.A.**, Glukhova T.V.* Abundance, Taxonomic Structure, and Functions of Bacterial Communities of Heather Plants in Ombrotrophic Bogs //Microbiology. – 2019. – Т. 88. – №. 5. – С. 624-630.
13. *Semenov M.V., **Manucharova N.A.**, Krasnov G.S., Nikitin D.A., Stepanov A.L.* Biomass and taxonomic structure of microbial communities in soils of the right-bank basin of the Oka River //Eurasian Soil Science. – 2019. – Т. 52. – №. 8. – С. 971-981.
14. *Prokopenko V.V., Zenova G.M., **Manucharova N.A.*** Ecophysiological characteristics of psychrotolerant actinomycetes in tundra and forest landscapes //Eurasian Soil Science. – 2019. – Т. 52. – №. 6. – С. 682-689.

15. *Belov A.A., Cheptsov V.S., Vorobyova E.A., **Manucharova N.A.**, Ezhelev Z.S.* Stress-tolerance and taxonomy of culturable bacterial communities isolated from a central Mojave Desert soil sample //Geosciences. – 2019. – Т. 9. – №. 4. – С. 166.
16. *Dobrovol'skaya T.G., Khusnetdinova K.A., **Manucharova N.A.**, Yakushev A.V., Khusnetdinova T.I.* Comparison of Diversity and Functions of Epiphytic Bacteria from Cultivated and Weed Plants in Agrocenoses //Microbiology. – 2018. – Т. 87. – №. 4. – С. 529-533.
17. *Cheptsov Vladimir S., Vorobyova Elena A., Osipov George A., **Manucharova Natalia A.**, Polyanskaya Lubov' M., Gorlenko Mikhail V., Pavlov Anatoli K., Rosanova Marina S., Lomasov Vladimir N.* Microbial activity in Martian analog soils after ionizing radiation: Implications for the preservation of subsurface life on Mars //Aims Microbiology. – 2018. – Т. 4. – №. 3. – С. 541.
18. *Cheptsov Vladimir S., Vorobyova Elena A., **Manucharova Natalia A.**, Gorlenko Mikhail V., Pavlov Anatoli K., Vdovina Maria A., Lomasov Vladimir N., Bulat Sergey A.* 100 kGy gamma-affected microbial communities within the ancient Arctic permafrost under simulated Martian conditions //Extremophiles. – 2017. – Т. 21. – №. 6. – С. 1057-1067.

Ученый секретарь

диссертационного совета МГУ.015.2(МГУ.03.13),

к.б.н. *Н.В. Костина*

---

*Подпись, печать*

08.09.2022г.