

Сведения об официальных оппонентах

– Кирпотин Сергей Николаевич

– Доктор биологических наук, профессор, специальности 03.00.05 – ботаника и 03.00.16 – экология

– Список основных публикаций:

1. Кирпотин С.Н., Квасникова З.Н., Перегон А.М., Ховалыг А.О., Потапова С.А., Логинова М.А., Венивитина С.А., Кара-Сал А.М. Ландшафтно-экологический мониторинг репрезентативных ключевых участков Республики Тыва // Развитие ТувГУ в XXI веке: интеграция образования, науки и бизнеса: материалы Междунар. науч.-практ. конф. Кызыл: ФГБОУ ПО ТувГУ, 2020. С. 212-215.

2. Kolesnichenko I., Kolesnichenko L.G., Vorobyev S.N., Vorobev R.S., Shavrina U., Kirpotin S.N., Pokrovsky O.S., Shirokova L.S., Semiletov I.P., Dudarev O.V. Landscape, soil, lithology, climate and permafrost control on dissolved carbon, major and trace elements in the Ob river Western Siberia // *Water (Switzerland)*. 2021. Т. 13. № 22.

3. Feurdean Angelica, Gałka Mariusz, Florescu Gabriela, Diaconu Andrei-Cosmin, Tantau Ioan, Kirpotin Sergey, Hutchinson Simon. 2000 years of variability in hydroclimate and carbon accumulation in western Siberia and the relationship with large-scale atmospheric circulation: A multi-proxy peat record, *Quaternary Science Reviews*, Available online 29 October 2019, 105948, DOI: 10.1016/j.quascirev.2019.105948, Q1, IF 4.641

4. Callaghan Terry V., Kulikova Olga, Rakhmanova Lidia, Topp-Jørgensen Elmer, Labba Niklas, Kuhmanen Lars-Anders, Kirpotin Sergey, Shaduyko Olga, Burgess Henry, Rautio Arja, Hindshaw Ruth S., Golubyatnikov Leonid L., Marshall Gareth J., Lobanov Andrey, Soromotin Andrey, Sokolov Alexander, Sokolova Natalia, Filant Praskovia, Johansson Margareta. 2019. Improving dialogue among researchers, local and indigenous peoples and decision-makers to address issues of climate change in the North. *Ambio*. <https://doi.org/10.1007/s13280-019-01277-9>, Q1, IF 4.103

5. Serikova S., Pokrovsky O.S., Ala-Aho P., Kazantsev V., Kirpotin S.N., Kopysov S.G., Krickov I.V., Laudon H., Manasypov R.M., Shirokova L.S., Soulsby C., Tetzlaff D. and Karlsson J. 2018. High riverine CO₂ emissions at the permafrost boundary of Western Siberia // *Nature geoscience*. Volume 11, Pages 825–829. <https://doi.org/10.1038/s41561-018-0218-1>, Q1, SJR 6.75, IF 14.391

6. Ala-aho P., Soulsby C., Tetzlaff D., Pokrovsky O.S., Kirpotin S.N., Vorobyev S.N., Manasypov R.M., Loiko S., Karlsson J., Serikova S. Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape // *Journal of Hydrology*. 2018. Т. 556. С. 279-293.

7. Ala-aho, P; Soulsby, C; Pokrovsky, OS; Kirpotin, SN; Karlsson, J; Serikova, S; Manasypov, R; Lim, A; Krickov, I; Kolesnichenko, LG; Laudon, H; Tetzlaff, D. 2018. Permafrost and lakes control river isotope composition across a boreal Arctic transect in the Western Siberian lowlands // *Environmental Research Letters*, Vol. 13, Paper № 034028, DOI: 10.1088/1748-9326/aaa4fe; Q1, Impact factor WoS 4,404.

8. Cazzolla Gatti R., Callaghan T.V., Rozhkova-Timina I., Lim A., Vorobyev S.N., Kirpotin S.N., Dudko A., Pokrovsky O.S. The role of Eurasian beaver (*Castor fiber*) in the storage, emission and deposition of carbon in lakes and rivers of the River Ob flood plain, western Siberia // *The Science of the Total Environment*. 2018. Т. 644. С. 1371-1379.

9. Krickov Ivan V., Lim Artem G., Manasypov Rinat M., Loiko Sergey V., Shirokova Liudmila S., Kirpotin Sergey N., Karlsson Jan, and Pokrovsky Oleg S.. 2018. Riverine particulate C and N generated at the permafrost thaw front: case study of western Siberian rivers across a 1700 km latitudinal transect // *Biogeosciences*, 15, 6867–6884, 2018. <https://doi.org/10.5194/bg-15-6867-2018>. Q1, IF 3.441

10. Loiko, S.V., Pokrovsky, O.S., Raudina, T.V., Lim, A., Kolesnichenko, L.G., Shirokova, L.S., Vorobyev, S.N., Kirpotin, S.N. 2017. Abrupt permafrost collapse enhances organic carbon, CO₂, nutrient and metal release into surface waters // *Chemical Geology*, Volume 471, pp. 153-165. DOI: 10.1016/j.chemgeo.2017.10.002

11. Polishchuk, Y.M., Bogdanov, A.N., Polishchuk, V.Y., Manasypov, R.M., Shirokova, L.S., Kirpotin, S.N., Pokrovsky, O.S. 2017. Size distribution, surface coverage, water, carbon, and metal storage of thermokarst lakes in the permafrost zone of the western siberia lowland // *Water*, Volume 9, Issue 3, Article number 228, DOI: 10.3390/w9030228

12. Morgalev, Y.N., Lushchaeva, I.V., Morgaleva, T.G., Kolesnichenko, L.G., Loiko, S.V., Krickov, I.V., Lim, A., Raudina, T.V., Volkova, I.I., Shirokova, L.S., Morgalev, S.Y., Vorobyev, S.N., Kirpotin, S.N., Pokrovsky, O.S. 2017. Bacteria primarily metabolize at the active layer/permafrost border in the peat core from a permafrost region in western Siberia // *Polar Biology*, Volume 40, Issue 8, pp. 1645-1659. DOI: 10.1007/s00300-017-2088-1

– Национальный исследовательский Томский государственный университет, Институт биологии, экологии, почвоведения, сельского и лесного хозяйства (г. Томск)

– профессор кафедры ботаники, Институт биологии, экологии, почвоведения, сельского и лесного хозяйства (Биологический институт); зав. лабораторией биоразнообразия и экологии