

# Sophia S Barinova

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

764  
citations

687363

13  
h-index

642732

23  
g-index

78  
all docs

78  
docs citations

78  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and spatial distribution of microbiotic crusts in the Negev Desert, Israel. <i>Catena</i> , 2010, 82, 92-101.	5.0	129
2	The effects of heavy winter rains and rare summer rains on biological soil crusts in the Negev Desert. <i>Catena</i> , 2012, 95, 6-11.	5.0	50
3	On the Classification of Water Quality from an Ecological Point of View. <i>International Journal of Environmental Sciences &amp; Natural Resources</i> , 2017, 2, .	0.1	35
4	"Essential and Practical Bioindication Methods and Systems for the Water Quality Assessment". <i>International Journal of Environmental Sciences &amp; Natural Resources</i> , 2017, 2, .	0.1	28
5	The Charophytes of Israel: historical and contemporary species richness, distribution, and ecology. <i>Biodiversity Research and Conservation</i> , 2012, 25, 67-74.	0.3	25
6	The Role of Aquatic Refuge Habitats for Fish, and Threats in the Context of Climate Change and Human Impact, during Seasonal Hydrological Drought in the Saxon Villages Area (Transylvania, Romania). <i>Atmosphere</i> , 2021, 12, 1209.	2.3	24
7	The Aquatic Organisms Diversity, Community Structure, and Environmental Conditions. <i>Diversity</i> , 2019, 11, 190.	1.7	23
8	The Upper Jordan River Algal Communities are Evidence of Long-Term Climatic and Anthropogenic Impacts. <i>Journal of Water Resource and Protection</i> , 2010, 02, 507-526.	0.8	21
9	The use of phytoplankton as an indicator of internal hydrodynamics of a large seaside reservoir – case of the Sasyk Reservoir, Ukraine. <i>Ecohydrology and Hydrobiology</i> , 2016, 16, 160-174.	2.3	18
10	Ecological Mapping in Application to Aquatic Ecosystems Bioindication: Problems and Methods. <i>International Journal of Environmental Sciences &amp; Natural Resources</i> , 2017, 3, .	0.1	18
11	The effect of climatic factors on the long-term dynamics of aquatic ecosystem of the Balkhash lake (Kazakhstan, Central Asia). <i>Advanced Studies in Biology</i> , 0, 6, 115-136.	0.3	17
12	<i>Chara globata</i> Mig. (Streptophyta: Charales): rare species revised. <i>Fottea</i> , 2015, 15, 39-50.	0.9	16
13	Assessment of water quality condition and spatiotemporal patterns in selected wetlands of Punjab, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2493-2509.	5.3	15
14	Bioindication of Ecological State and Water Quality by Phytoplankton in the Shardara Reservoir, Kazakhstan. <i>Environment and Ecology Research</i> , 2017, 5, 73-92.	0.5	14
15	Ecological assessment of water quality in the Kabul River, Pakistan, using statistical methods. <i>Oceanological and Hydrobiological Studies</i> , 2017, 46, 140-153.	0.7	13
16	Phytoplankton communities in ecological assessment of the Southern Bug River upper reaches (Ukraine). <i>Ecohydrology and Hydrobiology</i> , 2012, 12, 211-230.	2.3	12
17	Freshwater algal diversity of the South-Tajik Depression in a high-mountainous extreme environment, Tajikistan. <i>Turkish Journal of Botany</i> , 2015, 39, 535-546.	1.2	11
18	The role of phytoplankton in the ecological assessment of the Southern Bug River middle reaches (Ukraine). <i>Fundamental and Applied Limnology</i> , 2014, 184, 277-295.	0.7	10

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19	The Development of the a World Database of Freshwater Algae-Indicators. Journal of Environment and Ecology, 2017, 8, 1.	0.2	10
20	Planktonic Invertebrates in the Assessment of Long-Term Change in Water Quality of the Sorbulak Wastewater Disposal System (Kazakhstan). Water (Switzerland), 2020, 12, 3409.	2.7	10
21	Algal Indication of Climatic Gradients. American Journal of Environmental Protection, 2015, 4, 72.	0.2	10
22	Assessment of the ecological state of the Kiev Reservoir by the bioindication method. Oceanological and Hydrobiological Studies, 2014, 43, 228-236.	0.7	9
23	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2018, 18, .	0.9	9
24	Microphytobenthos as an indicator of water quality and organic pollution in the western coastal zone of the Sea of Azov. Oceanological and Hydrobiological Studies, 2019, 48, 125-139.	0.7	9
25	Tracking pollution and its sources in the catchment-lake system of major waterbodies in Kazakhstan. Lakes and Reservoirs: Research and Management, 2020, 25, 18-30.	0.9	9
26	Assessment of River-Sea Interaction in the Danube Nearshore Area (Ukraine) by Bioindicators and Statistical Mapping. Land, 2021, 10, 310.	2.9	9
27	Diversity of Algae and Cyanobacteria and Bioindication Characteristics of the Alpine Lake Nesamovyte (Eastern Carpathians, Ukraine) from 100 Years Ago to the Present. Diversity, 2021, 13, 256.	1.7	9
28	"How to Align and Unify the Cell Counting of Organisms for Bioindication". International Journal of Environmental Sciences & Natural Resources, 2017, 2, .	0.1	9
29	Diatom Species Richness in Algal Flora of Pamir, Tajikistan. European Scientific Journal, 2018, 14, 301.	0.1	8
30	The Role of Planktonic Algae in the Ecological Assessment of Storage-Reservoirs of the Ili-Balkhash Basin. Transylvanian Review of Systematical and Ecological Research, 2018, 20, 1-14.	0.1	7
31	Bioindication of the Influence of Oil Production on Sphagnum Bogs in the Khanty-Mansiysk Autonomous Okrug“Yugra, Russia. Diversity, 2019, 11, 207.	1.7	7
32	Ecological Mapping in Assessing the Impact of Environmental Factors on the Aquatic Ecosystem of the Arys River Basin, South Kazakhstan. Diversity, 2019, 11, 239.	1.7	7
33	Diatom Algae-Indicators of Water Quality in the Lower Zarafshan River, Uzbekistan. Water (Switzerland), 2021, 13, 358.	2.7	7
34	Charophyte Communities in the Ein Afeq Natural Reserve, Israel. Natural Resources and Conservation, 2015, 3, 31-44.	0.2	7
35	Diversity and ecological characteristic of algae and cyanobacteria of thermokarst lakes in Yakutia (northeastern Russia). Oceanological and Hydrobiological Studies, 2020, 49, 99-122.	0.7	7
36	Spatial dynamics of species richness of phytoplankton of Lake Balkhash in the gradient of abiotic factors. Transylvanian Review of Systematical and Ecological Research, 2017, 19, 1-18.	0.1	7

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37	Empirical Model of the Functioning of Aquatic Ecosystems. International Journal of Oceanography & Aquaculture, 0, , .	0.1	7
38	Comparative analysis of algal biodiversity in the rivers of Israel. Open Life Sciences, 2011, 6, 246-259.	1.4	6
39	The use of zooplankton distribution maps for assessment of ecological status of the Shardara reservoir (Southern Kazakhstan). Ecohydrology and Hydrobiology, 2018, 18, 52-65.	2.3	6
40	Cohabitant charophyte algal flora and its ecology in high-mountain lakes of the Artabel Lakes Nature Park (GÃ¼mÃ¼shane, Turkey). Botanica Serbica, 2020, 44, 11-25.	1.0	6
41	Preliminary Assessment of Ecological Status of the Siversky Donets River Basin (Ukraine) Based on Phytoplankton Parameters and Its Verification by Other Biological Data. Water (Switzerland), 2021, 13, 3368.	2.7	6
42	Influence of the Active Layer Thickness of Permafrost in Eastern Siberia on the River Discharge of Nutrients into the Arctic Ocean. Water (Switzerland), 2022, 14, 84.	2.7	6
43	Algae from experimental pools on the Dead Sea coast, Israel. Israel Journal of Plant Sciences, 2004, 52, 265-275.	0.5	5
44	Diversity and ecology of phytoplankton and periphyton of the Nahal Oren, Alon Natural Park, Northern Israel. Algological Studies, 2005, 116, 171-199.	0.1	5
45	Algal communities of the Hadera River (Israel) under dramatic niche changes. Open Life Sciences, 2010, 5, 507-521.	1.4	5
46	Bioindication of the water salinity dynamics by the microalgae communities in the Lena River Delta, Laptev Sea, Russian Arctic. Marine Biological Journal, 2021, 6, 15-28.	0.4	5
47	Statistical mapping and 3-D surface plots in phytoplankton analysis of the Balkhash Lake (Kazakhstan). Transylvanian Review of Systematical and Ecological Research, 2018, 20, 1-16.	0.1	5
48	Algal communities in the polluted lower Jordan River, Israel. Israel Journal of Plant Sciences, 2008, 56, 111-119.	0.5	4
49	Plant Landscape and Models of French Atlantic Estuarine Systems. Extended Summary of the Doctoral Thesis. Transylvanian Review of Systematical and Ecological Research, 2021, 23, 15-36.	0.1	4
50	Algal Bio-Indication in Assessment of Hydrological Impact on Ecosystem in Wetlands of â€œSlavyansky Resortâ€. Transylvanian Review of Systematical and Ecological Research, 2015, 17, 63-70.	0.1	4
51	Climatic Influence on the Phytoplankton Communities of the Upper Reaches of the Southern Bug River (Ukraine). Transylvanian Review of Systematical and Ecological Research, 2013, 15, 61-86.	0.1	4
52	Charophyte Community in the Lowermost Locality in the World Near the Dead Sea, Israel. International Journal of Plant & Soil Science, 2015, 6, 229-243.	0.2	4
53	Systemic Criteria for the Analysis of Alpha- and Gamma-Diversity of Freshwater Algae. International Journal of Environmental Sciences & Natural Resources, 2017, 4, .	0.1	4
54	Algae and Cyanobacteria Diversity and Bioindication of Long-Term Changes in the Hula Nature Reserve, Israel. Diversity, 2021, 13, 583.	1.7	4

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55	Plants, Mosses, Charophytes, Protozoan, and Bacteria Water Quality Indicators for Assessment of Organic Pollution and Trophic Status of Continental Water Bodies. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2021, 23, 17-36.	0.1	4
56	<i>Chara lipkinii</i> (Charales, Charophyceae): a new dioecious Mediterranean species under risk of extinction in the wild and some implications for the taxonomy of the genus <i>Chara</i> . <i>Fottea</i> , 2022, 22, 1-12.	0.9	4
57	Flora of Algae and Cyanobacteria of Continental Waters of Israel in the XXI Century: Taxonomy, Autecology and Water Quality Indicators. <i>Diversity</i> , 2022, 14, 328.	1.7	4
58	Phytoplankton Indicators in the Assessment of the Ecological Status of Two Reservoirs with Different Purposes in Southern Ukraine. <i>Ecologies</i> , 2022, 3, 96-119.	1.6	4
59	Microalgae Indicators of Charophyte Habitats of South and Southeast Kazakhstan. <i>Diversity</i> , 2022, 14, 530.	1.7	4
60	Benthic Diatom Composition in Coastal Zone of Black Sea, Sasyk Reservoir (Ukraine). <i>Diversity</i> , 2020, 12, 458.	1.7	3
61	Long-Term Dynamics of Trophic State Indicators in Phytoplankton of the Cooling Reservoir of a Nuclear Power Plant. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2021, 23, 1-14.	0.1	3
62	Ecological diversity of algae in the Alakol Lake Natural Reserve, Kazakhstan. <i>Botanica Pacifica</i> , 2019, 8, .	0.2	3
63	Algae Diversity and Ecology during a Summer Assessment of Water Quality in the Abraham Lincoln Birthplace National Historical Park, USA. <i>Diversity</i> , 2019, 11, 206.	1.7	2
64	The New High Mountain Locality Ein Qinia with Charophytes in the Northern Israel. <i>Universal Journal of Plant Science</i> , 2015, 3, 109-119.	0.3	2
65	ϑ°ϑ <sup>1</sup> / <sub>2</sub> ϑ°ϑ,ϑ°ϑ°Ñ,ϑ <sup>3</sup> / <sub>4</sub> Ñϑ°ϑ <sup>1</sup> / <sub>2</sub> Ñϑ°ϑ μ ϑ <sup>1</sup> / <sub>4</sub> ϑ,ϑ°Ñϑ°ϑ <sup>3</sup> / <sub>4</sub> ϑ <sup>2</sup> ϑ <sup>3</sup> / <sub>4</sub> ϑ <sup>3</sup> / <sub>4</sub> Ñϑ°ϑ <sup>3</sup> / <sub>4</sub> Ñϑ°ϑ,ϑ±ϑμϑ <sup>1</sup> / <sub>2</sub> Ñ,ϑ <sup>3</sup> / <sub>4</sub> Ñϑ° ϑ <sup>2</sup> ϑ <sup>3</sup> / <sub>4</sub> Ñ±ϑμϑ <sup>1</sup> / <sub>2</sub> ϑ°ϑ μ <sup>1</sup> / <sub>4</sub> ÑÑ,ϑμϑ;ϑμϑ <sup>1</sup> / <sub>2</sub> ϑ		
66	Phylogenesis, Origin and Kinship of the Charophytic Algae. <i>Botanica Pacifica</i> , 2015, , .	0.2	2
67	The Indicator Role of Algae in Assessing the Organic Pollution in the Lena River Delta, the Russian Arctic. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	2
68	Charophytes Locality in the Gaâ€™maton River, Lower Galilee, Israel. <i>Journal of Biology and Life Science</i> , 2015, 7, 94.	0.2	1
69	The Charophytes (Charophyta) Locality in the Milkha Stream, Lower Jordan, Israel. <i>Natural Resources and Conservation</i> , 2015, 3, 19-30.	0.2	1
70	Influence of Macro-Environmental Climatic Factors on Distribution and Productivity of Freshwater Algae. <i>International Journal of Environmental Sciences &amp; Natural Resources</i> , 2017, 4, .	0.1	1
71	Assessment of Water Quality by Bioindication of Algae and Cyanobacteria in the Peshawar Valley, Pakistan. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2021, 22, .	0.9	1
72	Assessment of Charophyta Flora and Ecological Status in Two High-Mountain Lakes (Rize, Turkey). <i>Transylvanian Review of Systematical and Ecological Research</i> , 2022, 24, 35-54.	0.1	1

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73	Influence of the Thickness of the Seasonally Thawed Layer of Permafrost in the Eastern Siberia Catchments on the Content of Organic Matter in River Waters. <i>Hydrobiology</i> , 2022, 1, 243-251.	1.7	1
74	To the question of the relationship between the diversity index and the saprobity index in algae and invertebrates. <i>Issues of Modern Algology (Исследования по современной альгологии)</i> , 2020, 1, 1-10.	0.1	0
75	Cladocera from the Sediment of High Arctic Lake in Svalbard (Norway). <i>Transylvanian Review of Systematical and Ecological Research</i> , 2021, 23, 13-20.	0.1	0
76	Microalgae, in Spatial Assessment of the Drainage Basin, Influences on the Ecosystem of Lake Agmon, Israel. <i>Applied Microbiology</i> , 2022, 2, 197-214.	1.6	0
77	Palynological Analysis of Surface Sediments in a High Arctic Pond, Revealing Desmids as Indicators of Wetlands and Climate Change. <i>Transylvanian Review of Systematical and Ecological Research</i> , 2022, 24, 1-16.	0.1	0
78	Diversity and Ecology of Non-Diatom Algae in a Swampy Mountain Lake of the Suntar-Khayat Ridge (Republic Sakha, Yakutia, Russia). <i>Transylvanian Review of Systematical and Ecological Research</i> , 2022, 24, 17-34.	0.1	0