

# Sahadevan Seena

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

662  
citations

14  
h-index

25  
g-index

36  
ext. papers

790  
ext. citations

6.4  
avg, IF

4.15  
L-index

#	Paper	IF	Citations
36	Can metal nanoparticles be a threat to microbial decomposers of plant litter in streams?. <i>Microbial Ecology</i> , <b>2011</b> , 62, 58-68	4.4	106
35	Elevated temperature may intensify the positive effects of nutrients on microbial decomposition in streams. <i>Freshwater Biology</i> , <b>2014</b> , 59, 2390-2399	3.1	63
34	Bio-based chitosan/gelatin/Ag@ZnO bionanocomposites: synthesis and mechanical and antibacterial properties. <i>Cellulose</i> , <b>2019</b> , 26, 5347-5361	5.5	51
33	Copper oxide nanoparticles can induce toxicity to the freshwater shredder <i>Allogamus lignifer</i> . <i>Chemosphere</i> , <b>2012</b> , 89, 1142-50	8.4	45
32	Biodiversity of leaf litter fungi in streams along a latitudinal gradient. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 306-315	10.2	37
31	DNA barcoding of fungi: a case study using ITS sequences for identifying aquatic hyphomycete species. <i>Fungal Diversity</i> , <b>2010</b> , 44, 77-87	17.6	37
30	Intraspecific variation of the aquatic fungus <i>Articulospora tetracladia</i> : an ubiquitous perspective. <i>PLoS ONE</i> , <b>2012</b> , 7, e35884	3.7	27
29	Fungi from metal-polluted streams may have high ability to cope with the oxidative stress induced by copper oxide nanoparticles. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 923-30	3.8	26
28	Physiological responses to nanoCuO in fungi from non-polluted and metal-polluted streams. <i>Science of the Total Environment</i> , <b>2014</b> , 466-467, 556-63	10.2	25
27	Humic acid can mitigate the toxicity of small copper oxide nanoparticles to microbial decomposers and leaf decomposition in streams. <i>Freshwater Biology</i> , <b>2016</b> , 61, 2197-2210	3.1	24
26	Nutritional quality evaluation of velvet bean seeds ( <i>Mucuna pruriens</i> ) exposed to gamma irradiation. <i>International Journal of Food Sciences and Nutrition</i> , <b>2008</b> , 59, 261-78	3.7	20
25	Raised water temperature lowers diversity of hyporheic aquatic hyphomycetes. <i>Freshwater Biology</i> , <b>2007</b> , 53, 071116231725003-???	3.1	19
24	A decade's perspective on the impact of DNA sequencing on aquatic hyphomycete research. <i>Fungal Biology Reviews</i> , <b>2013</b> , 27, 19-24	6.8	18
23	Preliminary insights into the phylogeography of six aquatic hyphomycete species. <i>PLoS ONE</i> , <b>2012</b> , 7, e45289	3.7	17
22	Preliminary insights into the evolutionary relationships of aquatic hyphomycetes and endophytic fungi. <i>Fungal Ecology</i> , <b>2016</b> , 19, 128-134	4.1	14
21	Can low concentrations of metal oxide and Ag loaded metal oxide nanoparticles pose a risk to stream plant litter microbial decomposers?. <i>Science of the Total Environment</i> , <b>2019</b> , 653, 930-937	10.2	14
20	Does nanosized plastic affect aquatic fungal litter decomposition?. <i>Fungal Ecology</i> , <b>2019</b> , 39, 388-392	4.1	13

19	Natural organic matter alters size-dependent effects of nanoCuO on the feeding behaviour of freshwater invertebrate shredders. <i>Science of the Total Environment</i> , <b>2015</b> , 535, 94-101	10.2	13
18	Polyhydroxyfullerene binds cadmium ions and alleviates metal-induced oxidative stress in <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5874-81	4.8	12
17	Does the developmental stage and composition of riparian forest stand affect ecosystem functioning in streams?. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 1500-1511	10.2	12
16	Copper tolerant ecotypes of <i>Heliscus lugdunensis</i> differ in their ecological function and growth. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 168-74	10.2	11
15	Metabolomic, functional, and ecologic responses of the common freshwater fungus <i>Neonectria lugdunensis</i> to mine drainage stress. <i>Science of the Total Environment</i> , <b>2020</b> , 718, 137359	10.2	9
14	Leaf Decomposition in a Mountain Stream in the Sultanate of Oman. <i>International Review of Hydrobiology</i> , <b>2009</b> , 94, 16-28	2.3	8
13	Nutritional and protein quality evaluation of thermally treated seeds of <i>Canavalia maritima</i> in the rat. <i>Nutrition Research</i> , <b>2005</b> , 25, 587-596	4	7
12	Fungal assemblage and leaf litter decomposition in riparian tree holes and in a coastal stream of the south-west India. <i>Mycology</i> , <b>2013</b> , 4, 118-124	3.7	5
11	Short-term exposure to low concentrations of copper oxide nanoparticles can negatively impact the ecological performance of a cosmopolitan freshwater fungus. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 2001-2007	4.3	5
10	<i>Articulospora</i> - Phylogeny vs morphology. <i>Fungal Biology</i> , <b>2018</b> , 122, 965-976	2.8	4
9	Intraspecific diversity affects stress response and the ecological performance of a cosmopolitan aquatic fungus. <i>Fungal Ecology</i> , <b>2019</b> , 41, 218-223	4.1	4
8	Impacts of low concentrations of nanoplastics on leaf litter decomposition and food quality for detritivores in streams.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 429, 128320	12.8	4
7	Inter- and intraspecific functional variability of aquatic fungal decomposers and freshwater ecosystem processes. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 135570	10.2	4
6	Plastisphere in freshwaters: An emerging concern. <i>Environmental Pollution</i> , <b>2021</b> , 290, 118123	9.3	4
5	Fungi in Freshwaters: Prioritising Aquatic Hyphomycetes in Conservation Goals. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 605	3	2
4	Nutritional evaluation of tender pods of <i>Canavalia maritima</i> of coastal sand dunes. <i>Frontiers of Agriculture in China</i> , <b>2010</b> , 4, 481-488		1
3	Linking Microbial Decomposer Diversity to Plant Litter Decomposition and Associated Processes in Streams <b>2021</b> , 163-192		1
2	A Bioinformatics Primer for the Analysis of Illumina MiSeq Data of Litter-Associated Fungi and Bacteria <b>2020</b> , 573-582		

- 1 Aquatic hyphomycete spores: What do we know, where do we go from here? **2022**, 1-20