

# Anusuya Willis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7578176/publications.pdf>

Version: 2024-02-01

32  
papers

2,589  
citations

361413

20  
h-index

434195

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3306  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , 2008, 456, 239-244.	27.8	1,458
2	Understanding the winning strategies used by the bloom-forming cyanobacterium <i>Cylindrospermopsis raciborskii</i> . <i>Harmful Algae</i> , 2016, 54, 44-53.	4.8	152
3	Physiological and Molecular Evidence that Environmental Changes Elicit Morphological Interconversion in the Model Diatom <i>Phaeodactylum tricornutum</i> . <i>Protist</i> , 2011, 162, 462-481.	1.5	84
4	Nutrient-related changes in the toxicity of field blooms of the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>FEMS Microbiology Ecology</i> , 2014, 89, 135-148.	2.7	72
5	Constitutive toxin production under various nitrogen and phosphorus regimes of three ecotypes of <i>Cylindrospermopsis raciborskii</i> ((WoÅ,oszyÅ,,ska) Seenayya et Subba Raju). <i>Harmful Algae</i> , 2015, 47, 27-34.	4.8	69
6	Intraspecific variation in growth, morphology and toxin quotas for the cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>Toxicon</i> , 2016, 119, 307-310.	1.6	66
7	Characterization of the extracellular matrix of <i>Phaeodactylum tricornutum</i> ( <i>Bacillariophyceae</i> ): structure, composition, and adhesive characteristics. <i>Journal of Phycology</i> , 2013, 49, 937-949.	2.3	60
8	Review: a meta-analysis comparing cell-division and cell-adhesion in <i>Microcystis</i> colony formation. <i>Harmful Algae</i> , 2017, 67, 85-91.	4.8	55
9	Adhesive Modular Proteins Occur in the Extracellular Mucilage of the Motile, Pennate Diatom <i>Phaeodactylum tricornutum</i> . <i>Biophysical Journal</i> , 2006, 90, L58-L60.	0.5	52
10	Differences in cyanobacterial strain responses to light and temperature reflect species plasticity. <i>Harmful Algae</i> , 2017, 62, 84-93.	4.8	51
11	VARIATIONS IN THE SUBSTITUTED 3-LINKED MANNANS CLOSELY ASSOCIATED WITH THE SILICIFIED WALLS OF DIATOMS1. <i>Journal of Phycology</i> , 2005, 41, 1154-1161.	2.3	50
12	Defining Cyanobacterial Species: Diversity and Description Through Genomics. <i>Critical Reviews in Plant Sciences</i> , 2020, 39, 101-124.	5.7	41
13	Constitutive <i>Cylindrospermopsin</i> Pool Size in <i>Cylindrospermopsis raciborskii</i> under Different Light and CO <sub>2</sub> Partial Pressure Conditions. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3069-3076.	3.1	38
14	Nitrogen fixation by the diazotroph <i>Cylindrospermopsis raciborskii</i> ( <i>Cyanophyceae</i> ). <i>Journal of Phycology</i> , 2016, 52, 854-862.	2.3	38
15	Genome variation in nine co-occurring toxic <i>Cylindrospermopsis raciborskii</i> strains. <i>Harmful Algae</i> , 2018, 73, 157-166.	4.8	35
16	Recent insights into physiological responses to nutrients by the <i>cylindrospermopsin</i> producing cyanobacterium, <i>Cylindrospermopsis raciborskii</i> . <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1032-1039.	1.3	27
17	Differential expression of phosphorus acquisition genes in response to phosphorus stress in two <i>Raphidiopsis raciborskii</i> strains. <i>Harmful Algae</i> , 2019, 82, 19-25.	4.8	27
18	Variation within and between cyanobacterial species and strains affects competition: Implications for phytoplankton modelling. <i>Harmful Algae</i> , 2017, 69, 38-47.	4.8	26

#	ARTICLE	IF	CITATIONS
19	Variations in carbon-to-phosphorus ratios of two Australian strains of <i>Cylindrospermopsis raciborskii</i> . <i>European Journal of Phycology</i> , 2017, 52, 303-310.	2.0	24
20	Application of first order rate kinetics to explain changes in bloom toxicity—the importance of understanding cell toxin quotas. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1063-1074.	1.3	22
21	Adhesion molecules from the diatom <i>Phaeodactylum tricornutum</i> (Bacillariophyceae): genomic identification by amino acid profiling and in vivo analysis. <i>Journal of Phycology</i> , 2014, 50, 837-849.	2.3	21
22	Subtropical freshwater phytoplankton show a greater response to increased temperature than to increased pCO <sub>2</sub> . <i>Harmful Algae</i> , 2019, 90, 101705.	4.8	20
23	Quantifying the role of organic phosphorus mineralisation on phytoplankton communities in a warm-monocytic lake. <i>Inland Waters</i> , 2019, 9, 10-24.	2.2	19
24	Are laboratory growth rate experiments relevant to explaining bloom-forming cyanobacteria distributions at global scale?. <i>Harmful Algae</i> , 2020, 92, 101732.	4.8	19
25	<i>Cylindrospermopsis raciborskii</i> Virus and host: genomic characterization and ecological relevance. <i>Environmental Microbiology</i> , 2019, 21, 1942-1956.	3.8	16
26	Precision early detection of invasive and toxic cyanobacteria: A case study of <i>Raphidiopsis raciborskii</i> . <i>Harmful Algae</i> , 2021, 110, 102125.	4.8	12
27	Different Gene Expression Response of Polish and Australian <i>Raphidiopsis raciborskii</i> Strains to the Chill/Light Stress. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5437.	2.5	11
28	Morphological changes and genome evolution in <i>Raphidiopsis raciborskii</i> CS-506 after 23 years in living culture. <i>Applied Phycology</i> , 2022, 3, 189-198.	1.3	6
29	CHARACTERISATION OF THE ADHESION OF FOULING DIATOMS ONTO TEST SURFACES. <i>Diatom Research</i> , 2007, 22, 457-471.	1.2	4
30	Towards defining global ecotypes of the toxic cyanobacterium <i>Raphidiopsis raciborskii</i> . <i>Applied Phycology</i> , 2020, , 1-10.	1.3	4
31	Draft Genome Assembly of Filamentous Brackish Cyanobacterium <i>Limnoraphis robusta</i> Strain CS-951. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
32	Comparative genomics for understanding intraspecific diversity: a case study of the cyanobacterium <i>Raphidiopsis raciborskii</i> . , 2022, , 415-434.		3