

# Maria do Carmo Bittencourt-Oliveira

## List of Publications by Year in descending order

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76  
papers

1,782  
citations

279798

23  
h-index

315739

38  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the impact of increasing temperature, light intensity, and UV-B exposure on the circadian rhythm of microcystin production and release, and the expression of mcy genes in the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Journal of Applied Phycology</i> , 2022, 34, 231-242.	2.8	5
2	Draft genome sequence of the cyanobacterium <i>Sphaerospermopsis aphanizomenoides</i> BCCUSP55 from the Brazilian semiarid region reveals potential for anti-cancer applications. <i>Archives of Microbiology</i> , 2022, 204, 4.	2.2	0
3	Assessment of microcystins in surface water and irrigated vegetables in Kwaru stream, Hayin Danmani, Kaduna-Nigeria. <i>Environmental Science and Pollution Research</i> , 2022, 29, 78303-78313.	5.3	5
4	Characterization of allelochemicals from <i>Pistia stratiotes</i> extracts and their effects on the growth and physiology of <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 57248-57259.	5.3	7
5	Allelopathic interactions between phytoplankton species alter toxin production, oxidative response, and nitrogen fixation. <i>Hydrobiologia</i> , 2021, 848, 4623-4635.	2.0	5
6	Effect of ultraviolet radiation (type B) and titanium dioxide nanoparticles on the interspecific interaction between <i>Microcystis flos-aquae</i> and <i>Pseudokirchneriella subcapitata</i> . <i>Science of the Total Environment</i> , 2021, 779, 146561.	8.0	10
7	The presence of microcystins in the coastal waters of Nigeria, from the Bights of Bonny and Benin, Gulf of Guinea. <i>Environmental Science and Pollution Research</i> , 2020, 27, 35284-35293.	5.3	6
8	DNA damages induced by both endotoxin and exotoxin produced by cyanobacteria.. <i>Chemosphere</i> , 2020, 254, 126716.	8.2	3
9	Cyanobacterial biodiversity of semiarid public drinking water supply reservoirs assessed via next-generation DNA sequencing technology. <i>Journal of Microbiology</i> , 2019, 57, 450-460.	2.8	14
10	Moringa Seed-Based Coagulant Removes Microcystins Dissolved in Water. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1800465.	1.1	2
11	Effect of flavonoids isolated from <i>Tridax procumbens</i> on the growth and toxin production of <i>Microcystis aeruginosa</i> . <i>Aquatic Toxicology</i> , 2019, 211, 81-91.	4.0	18
12	The Individual and Combined Effects of the Cyanotoxins, Anatoxin-a and Microcystin-LR, on the Growth, Toxin Production, and Nitrogen Fixation of Prokaryotic and Eukaryotic Algae. <i>Toxins</i> , 2019, 11, 43.	3.4	30
13	Succession and toxicity of <i>Microcystis</i> and <i>Anabaena</i> ( <i>Dolichospermum</i> ) blooms are controlled by nutrient-dependent allelopathic interactions. <i>Harmful Algae</i> , 2018, 74, 67-77.	4.8	122
14	Cyanotoxin contamination of semiarid drinking water supply reservoirs. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	24
15	Effects of increased zooplankton biomass on phytoplankton and cyanotoxins: A tropical mesocosm study. <i>Harmful Algae</i> , 2018, 71, 10-18.	4.8	21
16	Cylindrospermopsin induced changes in growth, toxin production and antioxidant response of <i>Acutodesmus acuminatus</i> and <i>Microcystis aeruginosa</i> under differing light and nitrogen conditions. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 189-199.	6.0	26
17	Response of <i>Microcystis aeruginosa</i> BCCUSP 232 to barley ( <i>Hordeum vulgare</i> L.) straw degradation extract and fractions. <i>Science of the Total Environment</i> , 2017, 599-600, 1837-1847.	8.0	20
18	Effects of zooplankton and nutrients on phytoplankton: an experimental analysis in a eutrophic tropical reservoir. <i>Marine and Freshwater Research</i> , 2017, 68, 1061.	1.3	7

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19	Potential human health risk assessment of cylindrospermopsin accumulation and depuration in lettuce and arugula. <i>Harmful Algae</i> , 2017, 68, 217-223.	4.8	26
20	Draft Genome Sequence of <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) Strain ITEP-A1 Isolated from a Brazilian Semiarid Freshwater Body: Evidence of Saxitoxin and Cylindrospermopsin Synthetase Genes. <i>Genome Announcements</i> , 2016, 4, .	0.8	5
21	Does anatoxin-a influence the physiology of <i>Microcystis aeruginosa</i> and <i>Acutodesmus acuminatus</i> under different light and nitrogen conditions?. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23092-23102.	5.3	15
22	Microcystin-LR bioaccumulation and depuration kinetics in lettuce and arugula: Human health risk assessment. <i>Science of the Total Environment</i> , 2016, 566-567, 1379-1386.	8.0	57
23	The effect of saxitoxin and non-saxitoxin extracts of <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) on cyanobacteria and green microalgae. <i>Journal of Applied Phycology</i> , 2016, 28, 241-250.	2.8	12
24	Lettuce irrigated with contaminated water: Photosynthetic effects, antioxidative response and bioaccumulation of microcystin congeners. <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 83-90.	6.0	84
25	Co-occurrence of <i>Cylindrospermopsis raciborskii</i> (Woloszynska) Seenaya & Subba Raju and <i>Microcystis panniformis</i> Komárková et al. in Munda reservoir, a semiarid Brazilian ecosystem. <i>Acta Limnologica Brasiliensia</i> , 2015, 27, 322-329.	0.4	4
26	Sensitivity of salad greens ( <i>Lactuca sativa</i> L. and <i>Eruca sativa</i> Mill.) exposed to crude extracts of toxic and non-toxic cyanobacteria. <i>Brazilian Journal of Biology</i> , 2015, 75, 273-278.	0.9	3
27	Cyanotoxin production and phylogeny of benthic cyanobacterial strains isolated from the northeast of Brazil. <i>Harmful Algae</i> , 2015, 43, 46-57.	4.8	73
28	Growth and antioxidant response of <i>Microcystis aeruginosa</i> (Cyanobacteria) exposed to anatoxin-a. <i>Harmful Algae</i> , 2015, 49, 135-146.	4.8	16
29	Selective membrane permeability and peroxidase activity response of lettuce and arugula irrigated with cyanobacterial-contaminated water. <i>Environmental Earth Sciences</i> , 2015, 74, 1547-1553.	2.7	19
30	Allelopathic interactions between microcystin-producing and non-microcystin-producing cyanobacteria and green microalgae: implications for microcystins production. <i>Journal of Applied Phycology</i> , 2015, 27, 275-284.	2.8	67
31	Phytotoxicity associated to microcystins: a review. <i>Brazilian Journal of Biology</i> , 2014, 74, 753-760.	0.9	25
32	Vertical and temporal variation in phytoplankton assemblages correlated with environmental conditions in the Munda reservoir, semi-arid northeastern Brazil. <i>Brazilian Journal of Biology</i> , 2014, 74, S093-S102.	0.9	5
33	Phylogenetic study of <i>Cyathocapsa</i> and <i>Microcystis</i> ( <i>Cyanobacteria</i> ) using <i>PClG</i> and <i>16S rDNA</i> markers: investigation of horizontal gene transfer. <i>Journal of Phycology</i> , 2014, 50, 736-743.	2.3	8
34	Cyanobacteria, microcystins and cylindrospermopsin in public drinking supply reservoirs of Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 297-310.	0.8	76
35	Active release of microcystins controlled by an endogenous rhythm in the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Phycological Research</i> , 2013, 61, 1-6.	1.6	11
36	Planktonic Cyanobacteria forming blooms in reservoirs of northeastern Brazil. <i>Revista Brasileira de Ciencias Agrarias</i> , 2013, 8, 662-668.	0.2	1

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37	Bioaccumulation of Microcystins in Lettuce. <i>Journal of Phycology</i> , 2012, 48, 1535-1537.	2.3	42
38	Dynamics of phytoplankton associations in three reservoirs in northeastern Brazil assessed using Reynolds's theory. <i>Limnologia</i> , 2012, 42, 72-80.	1.5	45
39	Seasonal dynamics of cyanobacteria in a eutrophic reservoir (Arcoverde) in a semi-arid region of Brazil. <i>Brazilian Journal of Biology</i> , 2012, 72, 533-544.	0.9	17
40	Effects of light intensity and temperature on <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) with straight and coiled trichomes: growth rate and morphology. <i>Brazilian Journal of Biology</i> , 2012, 72, 343-351.	0.9	23
41	Biomonitoring of microcystin and aflatoxin co-occurrence in aquaculture using immunohistochemistry and genotoxicity assays. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 151-159.	0.5	5
42	Microcystin-producing genotypes from cyanobacteria in Brazilian reservoirs. <i>Environmental Toxicology</i> , 2012, 27, 461-471.	4.0	15
43	Toxic Cyanobacteria in Four Brazilian Water Supply Reservoirs. <i>Journal of Environmental Protection</i> , 2012, 03, 68-73.	0.7	15
44	Semi-Quantitative PCR for Quantification of Hepatotoxic Cyanobacteria. <i>Journal of Environmental Protection</i> , 2012, 03, 426-430.	0.7	1
45	Cylindrospermopsin in Water Supply Reservoirs in Brazil Determined by Immunochemical and Molecular Methods. <i>Journal of Water Resource and Protection</i> , 2011, 03, 349-355.	0.8	35
46	Phytoplankton abundance, dominance and coexistence in an eutrophic reservoir in the state of Pernambuco, Northeast Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2011, 83, 1313-1326.	0.8	17
47	Cyanobacterial blooms in stratified and destratified eutrophic reservoirs in semi-arid region of Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2011, 83, 1327-1338.	0.8	57
48	Increase in Straight and Coiled <i>Cylindrospermopsis raciborskii</i> (Cyanobacteria) Populations under Conditions of Thermal De-Stratification in a Shallow Tropical Reservoir. <i>Journal of Water Resource and Protection</i> , 2011, 03, 245-252.	0.8	22
49	Diversity of microcystin-producing genotypes in Brazilian strains of <i>Microcystis</i> (Cyanobacteria). <i>Brazilian Journal of Biology</i> , 2011, 71, 209-216.	0.9	29
50	Vertical and temporal dynamics of cyanobacteria in the Carpina potable water reservoir in northeastern Brazil. <i>Brazilian Journal of Biology</i> , 2011, 71, 451-459.	0.9	24
51	Sustainable production of biodiesel by microalgae and its application in agriculture. <i>African Journal of Microbiology Research</i> , 2011, 5, .	0.4	7
52	The role played by endogenous and exogenous electric fields in DNA signaling and repair. <i>DNA Repair</i> , 2010, 9, 356-357.	2.8	8
53	Spatial-temporal variation in coiled and straight morphotypes of <i>Cylindrospermopsis raciborskii</i> (Wolsz) Seenayya et Subba Raju (Cyanobacteria). <i>Acta Botanica Brasílica</i> , 2010, 24, 585-591.	0.8	6
54	Toxic cyanobacteria in reservoirs in northeastern Brazil: detection using a molecular method. <i>Brazilian Journal of Biology</i> , 2010, 70, 1005-1010.	0.9	13

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55	Study of metals transfer from environment using teeth as biomonitor. Environment International, 2010, 36, 243-246.	10.0	12
56	Structure and dynamics of phytoplankton in an Amazon lake, Brazil. Revista De Biologia Tropical, 2010, 58, 1421-36.	0.4	2
57	Genetic polymorphism in brazilian microcystis spp. (Cyanobacteria) toxic and non-toxic through RFLP-PCR of the cpcBA-IGS. Brazilian Archives of Biology and Technology, 2009, 52, 901-909.	0.5	9
58	Structure and dynamics of phytoplankton community in the Botafogo reservoir-Pernambuco-Brazil. Brazilian Archives of Biology and Technology, 2009, 52, 493-501.	0.5	10
59	Zooplanktonic community of six reservoirs in northeast Brazil. Brazilian Journal of Biology, 2009, 69, 57-65.	0.9	32
60	<i>GEITLERINEMA</i> SPECIES (OSCILLATORIALES, CYANOBACTERIA) REVEALED BY CELLULAR MORPHOLOGY, ULTRASTRUCTURE, AND DNA SEQUENCING. Journal of Phycology, 2009, 45, 716-725.	2.3	16
61	Study of environmental burden of lead in children using teeth as bioindicator. Environment International, 2009, 35, 614-618.	10.0	23
62	Saxitoxins accumulation by freshwater tilapia ( <i>Oreochromis niloticus</i> ) for human consumption. Toxicon, 2009, 54, 891-894.	1.6	50
63	Static electric fields interfere in the viability of cells exposed to ionising radiation. International Journal of Radiation Biology, 2009, 85, 314-321.	1.8	17
64	Efeito das variáveis abióticas e do fitoplâncton sobre a comunidade zooplânctônica em um reservatório do Nordeste brasileiro. Iheringia - Serie Zoologia, 2009, 99, 132-141.	0.5	7
65	Temporal variation of the phytoplankton community at short sampling intervals in the Mundaú reservoir, Northeastern Brazil. Acta Botanica Brasilica, 2008, 22, 970-982.	0.8	45
66	Evaluation of uranium incorporation from contaminated areas using teeth as bioindicators—a case study. Radiation Protection Dosimetry, 2007, 130, 249-252.	0.8	6
67	HIP1 DNA fingerprinting in <i>Microcystis panniformis</i> (Chroococcales, Cyanobacteria). Phycologia, 2007, 46, 3-9.	1.4	11
68	Phytoplanktonic associations: a tool to understanding dominance events in a tropical Brazilian reservoir. Acta Botanica Brasilica, 2007, 21, 641-648.	0.8	27
69	Benthic Bacillariophyta of the Paripe River estuary in Pernambuco state, Brazil. Brazilian Journal of Biology, 2007, 67, 393-401.	0.9	8
70	Structure of the phytoplankton in a water supply system in the State of Pernambuco - Brazil. Brazilian Archives of Biology and Technology, 2007, 50, 645-654.	0.5	18
71	Taxonomic investigation using DNA fingerprinting in <i>Geitlerinema</i> species (Oscillatoriales.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	10
72	Detection of harmful cyanobacteria and their toxins by both PCR amplification and LC-MS during a bloom event. Toxicon, 2006, 48, 239-245.	1.6	48

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73	A novel rhythm of microcystin biosynthesis is described in the cyanobacterium <i>Microcystis panniformis</i> Komárček et al.. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 687-694.	2.1	41
74	Detection of potential microcystin-producing cyanobacteria in Brazilian reservoirs with a <i>mcyB</i> molecular marker. <i>Harmful Algae</i> , 2003, 2, 51-60.	4.8	78
75	Biodiversidade e considerações biogeográficas das Cyanobacteria de uma Área de Manguezal do Estado de Pernambuco, Brasil. <i>Acta Botanica Brasilica</i> , 2003, 17, 585-596.	0.8	17
76	GENETIC VARIABILITY OF BRAZILIAN STRAINS OF THE <i>MICROCYSTIS AERUGINOSA</i> COMPLEX (CYANOBACTERIA/CYANOPHYCEAE) USING THE PHYCOCYANIN INTERGENIC SPACER AND FLANKING REGIONS ( <i>cpcBA</i> ). <i>Journal of Phycology</i> , 2001, 37, 810-818.	2.3	82