

CITATION REPORT

List of articles citing

Microalgae - A promising tool for heavy metal remediation

DOI: 10.1016/j.ecoenv.2014.12.019

Ecotoxicology and Environmental Safety, 2015, 113, 329-52.

Source: <https://exaly.com/paper-pdf/62789012/citation-report.pdf>

Version: 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
537	Kinetic Model of Photoautotrophic Growth of <i>Chlorella</i> sp. Microalga, Isolated from the Setbal Lagoon. 2015 , 91, 1095-102		0
536	Effect of Metals, Metalloids and Metallic Nanoparticles on Microalgae Growth and Industrial Product Biosynthesis: A Review. 2015 , 16, 23929-69		124
535	Remediation of Dyes from Aquatic Ecosystems by Biosorption Method Using Algae. 2015 , 97-106		8
534	Simultaneous visual detection and removal of lead(II) ions with pyromellitic dianhydride-grafted cellulose nanofibrous membranes. 2015 , 3, 18180-18189		66
533	Is biosorption suitable for decontamination of metal-bearing wastewaters? A critical review on the state-of-the-art of biosorption processes and future directions. 2015 , 160, 283-96		158
532	Progress in batch biosorption of heavy metals onto algae. 2015 , 209, 77-86		144
531	Heavy metal removal from acid mine drainage by calcined eggshell and microalgae hybrid system. 2015 , 22, 13404-11		44
530	Application of acid mine drainage for coagulation/flocculation of microalgal biomass. 2015 , 186, 232-237		17
529	Extracellular secretions of <i>Phanerochaete chrysosporium</i> on Cd toxicity. 2015 , 105, 73-79		24
528	Facile synthesis of cysteine functionalized magnetic graphene oxide nanosheets: Application in solid phase extraction of cadmium from environmental sample. 2015 , 3, 2801-2808		20
527	Phycoremediation and Business Prospects. 2016 , 421-456		7
526	The Environmental Biorefinery: Using Microalgae to Remediate Wastewater, a Win-Win Paradigm. 2016 , 9, 132		107
525	Lipid Production from <i>Nannochloropsis</i> . 2016 , 14,		164
524	Antimicrobial cocktails to control bacterial and fungal contamination in <i>Chlamydomonas reinhardtii</i> cultures. 2016 , 60, 145-9		5
523	Nitrogen Removal from Landfill Leachate by Microalgae. 2016 , 17,		32
522	Genetic Engineering: A Promising Tool to Engineer Physiological, Biochemical, and Molecular Stress Resilience in Green Microalgae. 2016 , 7, 400		45
521	Removal of nutrients, organic matter, and metal from domestic secondary effluent through microalgae cultivation in a membrane photobioreactor. 2016 , 91, 2713-2719		50

520	Efficient biosorption of cadmium by the self-flocculating microalga <i>Scenedesmus obliquus</i> AS-6-1. 2016 , 16, 427-433	36
519	Biological substrates: Green alternatives in trace elemental preconcentration and speciation analysis. 2016 , 80, 531-546	25
518	Lead sensors development and antimicrobial activities based on graphene oxide/carbon nanotube/poly(O-toluidine) nanocomposite. 2016 , 89, 198-205	52
517	Two-stage cultivation of N-rich and N-deprived <i>Acutodesmus obliquus</i> biomass: Influence of cultivation and dewatering methods on microalgal biomass used in anaerobic digestion. 2016 , 17, 105-112	5
516	Biological Approaches for Remediation of Metal-Contaminated Sites. 2016 , 65-112	5
515	Use of Microalgae for Advanced Wastewater Treatment and Sustainable Bioenergy Generation. 2016 , 33, 882-897	81
514	Cultivation of Microalgae in Municipal Wastewater and Conversion by Hydrothermal Carbonization: A Review. 2016 , 3, 186-200	7
513	Harvesting of microalgae biomass from the phycoremediation process of greywater. 2016 , 23, 24624-24641	32
512	Production and harvesting of microalgae biomass from wastewater: a critical review. 2016 , 5, 39-56	28
511	A multilevel sustainability analysis of zinc recovery from wastes. 2016 , 113, 88-105	38
510	Valorization of biosorbent obtained from a forestry waste: Competitive adsorption, desorption and transport of Cd, Cu, Ni, Pb and Zn. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 131, 118-26	7 30
509	Integration of microalgal cultivation system for wastewater remediation and sustainable biomass production. 2016 , 32, 139	21
508	Characterization of sorption sites and differential stress response of microalgae isolates against tannery effluents from ranipet industrial area-An application towards phycoremediation. 2016 , 18, 747-53	25
507	High performance polyaniline/vanadyl phosphate (PANI/V ₂ OPO ₄) nano composite sheets prepared by exfoliation/intercalation method for sensing applications. 2016 , 75, 388-398	38
506	Phyco-remediation of industrial waste-water and flue gases with algal-diesel engenderment from micro-algae: A review. 2016 , 173, 90-97	53
505	Evolution of microalgal biotechnology: a survey of the European Patent Office database. 2016 , 28, 2727-2740	14
504	Dendrimers, mesoporous silicas and chitosan-based nanosorbents for the removal of heavy-metal ions: A review. 2016 , 86, 570-86	185
503	Biodegradation of benzo(a)pyrene by two freshwater microalgae <i>Selenastrum capricornutum</i> and <i>Scenedesmus acutus</i> : a comparative study useful for bioremediation. 2016 , 23, 3365-75	37

- 502 Simultaneous nitrogen, phosphorous, and hardness removal from reverse osmosis concentrate by microalgae cultivation. **2016**, 94, 215-224 64
- 501 *Enteromorpha compressa* macroalgae as biosorbent for heavy metal removal: a preliminary economical evaluation. **2016**, 57, 2597-2603
- 500 Metal and metalloid containing natural products and a brief overview of their applications in biology, biotechnology and biomedicine. **2016**, 29, 1-13 12
- 499 Removal of metal ions from a petrochemical wastewater using brown macro-algae as natural cation-exchangers. **2016**, 286, 1-15 78
- 498 Lead removal by *Spirulina platensis* biomass. **2016**, 18, 184-9 16
- 497 The dual roles of phycoremediation of wet market wastewater for nutrients and heavy metals removal and microalgae biomass production. **2017**, 19, 37-52 74
- 496 Insight into the mechanism of Cd(II) and Pb(II) removal by sustainable magnetic biosorbent precursor to *Chlorella vulgaris*. **2017**, 71, 206-213 38
- 495 Calcareous electrochemical precipitation, a new method to trap nickel in seawater. **2017**, 15, 151-156 6
- 494 Effective adsorption of aqueous Pb²⁺ by dried biomass of *Landoltia punctata* and *Spirodela polyrhiza*. **2017**, 145, 25-34 34
- 493 Microalgae-based advanced municipal wastewater treatment for reuse in water bodies. **2017**, 101, 2659-2675 91
- 492 Prediction of phycoremediation of As(III) and As(V) from synthetic wastewater by *Chlorella pyrenoidosa* using artificial neural network. **2017**, 7, 3949-3971 8
- 491 Laboratory assessment of bioleaching of shallow eutrophic sediment by immobilized photosynthetic bacteria. **2017**, 24, 22143-22151 7
- 490 Phycoremediation of Heavy Metals Coupled with Generation of Bioenergy. **2017**, 163-188 11
- 489 Assessing the agricultural reuse of the digestate from microalgae anaerobic digestion and co-digestion with sewage sludge. **2017**, 586, 1-9 77
- 488 Emerging Aspects of Bioremediation of Arsenic. **2017**, 395-407 15
- 487 Environmental risk assessment of effluents as a whole emerging contaminant: Efficiency of alternative tertiary treatments for wastewater depuration. **2017**, 119, 136-149 53
- 486 Cadmium decreases the levels of glutathione and enhances the phytochelatin concentration in the marine dinoflagellate *Lingulodinium polyedrum*. **2017**, 29, 811-820 13
- 485 Microalgae and cyanobacteria as enzyme biofactories. **2017**, 25, 76-89 85

484	Biosorption of Zn(II) from industrial effluents using sugar beet pulp and <i>F. vesiculosus</i> : From laboratory tests to a pilot approach. 2017 , 598, 856-866	53
483	Biosorption an innovative tool for bioremediation of metal-contaminated municipal solid waste leachate: optimization and mechanisms exploration. 2017 , 14, 729-742	4
482	Removal of Cr(VI) using a cyanobacterial consortium and assessment of biofuel production. 2017 , 119, 211-224	32
481	Testing of two different strains of green microalgae for Cu and Ni removal from aqueous media. 2017 , 601-602, 959-967	43
480	A hybrid approach integrating arsenic detoxification with biodiesel production using oleaginous microalgae. 2017 , 24, 29-39	46
479	Metal bioremediation by CrMTP4 over-expressing <i>Chlamydomonas reinhardtii</i> in comparison to natural wastewater-tolerant microalgae strains. 2017 , 24, 89-96	52
478	Optimal decision curve of light intensity to maximize the biomass concentration in a batch culture. 2017 , 123, 57-65	2
477	Green Approach in the Bio-removal of Heavy Metals from wastewaters. 2017 , 103, 06007	6
476	Evaluation of a hollow fiber supported liquid membrane device as a chemical surrogate for the measurements of zinc (II) bioavailability using two microalgae strains as biological references. 2017 , 171, 435-445	4
475	Microalgae cultivation in urban wastewater: <i>Coelastrum cf. pseudomicroporum</i> as a novel carotenoid source and a potential microalgae harvesting tool. 2017 , 228, 210-217	39
474	Microalgae: Antiquity to era of integrated technology. 2017 , 71, 535-547	46
473	Effects of metal ions on the cultivation of an oleaginous microalga <i>Chlorella sp.</i> 2017 , 24, 26594-26604	17
472	Immobilized Microbial Biosorbents for Wastewater Remediation. 2017 , 101-128	
471	Crystal structure of N?-[(E)-(2-hydroxynaphthalen-1-yl) methylidene] benzenesulfonohydrazide (HNMBSH) and its application as Pb ²⁺ ion sensor by its fabrication onto glassy carbon electrode. 2017 , 467, 297-306	23
470	The influence of heavy metals on toxicogenetic damage in a Brazilian tropical river. 2017 , 185, 852-859	28
469	Kinetic modeling of azo dye adsorption on non-living cells of <i>Nannochloropsis oceanica</i> . 2017 , 5, 4121-4127	30
468	Performance of industrial-scale tubular photobioreactor in marine hatchery. 2017 , 29, 2755-2760	2
467	Simultaneous microalgae cultivation and wastewater treatment in submerged membrane photobioreactors: A review. 2017 , 24, 425-437	109

466	Nutrients utilization and contaminants removal. A review of two approaches of algae and cyanobacteria in wastewater. 2017 , 24, 438-449	153
465	Morphological and ultrastructural characterization of the acidophilic and lipid-producer strain <i>Chlamydomonas acidophila</i> LAFIC-004 (Chlorophyta) under different culture conditions. 2017 , 254, 1385-1398	12
464	Equilibrium and kinetic modelling of cadmium (II) biosorption by Dried Biomass <i>Aphanothece</i> sp. from aqueous phase. 2017 , 65, 012018	1
463	Valorization of Microalgae Biomass by Its Use for the Removal of Paracetamol from Contaminated Water. 2017 , 9, 312	20
462	An Environmentally Benign Approach for As (V) Absorption from Wastewater Using Untreated Coffee Grounds Preliminary Results. 2017 , 9, 867	7
461	Heavy Metals Pollution Influence the Community Structure of Cyanobacteria in Nutrient Rich Tropical Estuary. 2017 , 03,	1
460	Process Intensification of Biofuel Production from Microalgae. 2018 , 59-87	2
459	A model suite of green algae within the Scenedesmaceae for investigating contrasting desiccation tolerance and morphology. 2018 , 131,	11
458	Impact of key geochemical parameters on the highly efficient sequestration of Pb(II) and Cd(II) in water using g-C ₃ N ₄ nanosheets. 2018 , 258, 40-47	13
457	Using agro-industrial wastes for the cultivation of microalgae and duckweeds: Contamination risks and biomass safety concerns. 2018 , 36, 1238-1254	75
456	Adsorption of Cu (II) and Ni (II) from aqueous solutions by taro stalks chemically modified with diethylenetriamine. 2018 , 25, 17425-17433	13
455	Biogenic corrosion inhibitor on mild steel protection in concentrated HCl medium. 2018 , 8, 2609	16
454	Evaluation of kenaf fibers as moving bed biofilm carriers in algal membrane photobioreactor. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 152, 1-7	7 13
453	Phosphorus and metal removal combined with lipid production by the green microalga <i>Desmodesmus</i> sp.: An integrated approach. 2018 , 125, 45-51	34
452	<i>Gracilaria tenuistipitata</i> (Rhodophyta) tolerance to cadmium and copper exposure observed through gene expression and photosynthesis analyses. 2018 , 30, 2129-2141	6
451	Treatment of highly saline RO concentrate using <i>Scenedesmus quadricauda</i> for enhanced removal of refractory organic matter. 2018 , 430, 128-135	28
450	Preliminary study on the effects of heavy metals on the growth and some antioxidant enzymes in <i>Arthrospira platensis</i> -M2 strain. 2018 , 66, 23-30	7
449	Valorization of waste micro-algal biomass - collected from coke oven effluent treatment plant and evaluation of sorption potential for fluoride removal. 2018 , 78, 132-146	4

448	Bioremediation of Heavy Metals. 2018 , 277-311	9
447	Biofuel production and phycoremediation by <i>Chlorella</i> sp. ISTLA1 isolated from landfill site. 2018 , 253, 121-129	27
446	Enhanced Hg(II) Adsorption by Monocarboxylic-Acid-Modified Microalgae Residuals in Simulated and Practical Industrial Wastewater. 2018 , 32, 4461-4468	13
445	Equilibrium and kinetic modeling for biosorption of Au(III) on freshwater microalgae. 2018 , 30, 3493-3502	3
444	Adsorption, kinetic and thermodynamic studies for the biosorption of cadmium onto microalgae <i>Parachlorella</i> sp.. 2018 , 6, 2302-2309	43
443	A review on mechanism and future perspectives of cadmium-resistant bacteria. 2018 , 15, 243-262	40
442	Benthic foraminiferal ultrastructural alteration induced by heavy metals. 2018 , 138, 83-89	16
441	Heavy metal migration and risk transference associated with cyanobacterial blooms in eutrophic freshwater. 2018 , 613-614, 1324-1330	33
440	Adsorption of Cu(II) and Cd(II) from aqueous solutions by ferromanganese binary oxide-biochar composites. 2018 , 615, 115-122	195
439	Experimental and kinetic study for lead removal via photosynthetic consortia using genetic algorithms to parameter estimation. 2018 , 25, 21286-21295	5
438	Impact of Flue Gas Compounds on Microalgae and Mechanisms for Carbon Assimilation and Utilization. 2018 , 11, 334-355	63
437	Microalgae and their effects on metal bioavailability in paddy fields. 2018 , 18, 936-945	3
436	Assessing textile wastewater treatment in an anoxic-aerobic photobioreactor and the potential of the treated water for irrigation. 2018 , 29, 170-178	28
435	Growth modeling of the green microalga <i>Scenedesmus obliquus</i> in a hybrid photobioreactor as a practical tool to understand both physical and biochemical phenomena in play during algae cultivation. 2018 , 115, 965-977	7
434	Bioremediation by Microalgae: Current and Emerging Trends for Effluents Treatments for Value Addition of Waste Streams. 2018 , 355-375	11
433	Biodiesel from Microalgae. 2018 , 277-318	8
432	Microalgae: a robust "green bio-bridge" between energy and environment. 2018 , 38, 351-368	24
431	Algae as a Budding Tool for Mitigation of Arsenic from Aquatic Systems. 2018 , 269-297	3

430	Simultaneous biosorption of Arsenic (III) and Arsenic (V): Application of multiple response optimizations. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 35-41	7	17
429	as a bioreactor for the production of nanoparticles with antimicrobial potentialities. 2018 , 13, 5591-5604		18
428	Arsenic tolerance of <i>Microcystis novacekii</i> (Komárek-Compté, 1974) and its arsenic decontamination potential. 2018 , 61,		4
427	<i>Chlorella vulgaris</i> DPSF 01: A unique tool for removal of toxic chemicals from tannery wastewater. 2018 , 17, 239-248		5
426	An integrative approach toward biosensing and bioremediation of metals and metalloids. 2018 , 15, 2701-2712	12	
425	Hybrid algal photosynthesis and ion exchange (HAPIX) process for high ammonium strength wastewater treatment. 2018 , 142, 65-74		26
424	Steam Explosion and Vibrating Membrane Filtration to Improve the Processing Cost of Microalgae Cell Disruption and Fractionation. 2018 , 6, 28		13
423	Hemp-Based Materials for Metal Removal. 2018 , 1-34		6
422	Interactive effects of temperature and copper toxicity on photosynthetic efficiency and metabolic plasticity in <i>Scenedesmus quadricauda</i> (Chlorophyceae). 2018 , 30, 3029-3041		11
421	The Environmental Benefits Arising from the Use of Algae Biomass in Industry. 2018 , 7-16		4
420	Bioremediation of Cr(VI) Using Live Cyanobacteria: Experimentation and Kinetic Modeling. 2018 , 144, 04018089		12
419	Potential of higher plants, algae, and cyanobacteria for remediation of radioactively contaminated waters. 2018 , 207, 239-254		23
418	Two-step process: Enhanced strategy for wastewater treatment using microalgae. 2018 , 268, 608-615		11
417	Ocean-based sorbents for decontamination of metal-bearing wastewaters: a review. 2018 , 7, 139-155		6
416	Zinc removal by <i>Chlorella</i> sp. biomass and harvesting with low cost magnetic particles. 2018 , 33, 266-276		7
415	Effective adsorption of nickel (II) with <i>Ulva lactuca</i> dried biomass: isotherms, kinetics and mechanisms. 2018 , 78, 156-164		11
414	Microalgae: Potential precursors of CO ₂ adsorbents. 2018 , 26, 454-464		25
413	A biomimetic cellulose-based composite material that incorporates the antimicrobial metal-organic framework HKUST-1. 2019 , 136, 46978		17

412	Potential Applications of Algae-Based Bio-fertilizer. 2019 , 41-65		6
411	Dispersion of active particles in confined unidirectional flows. 2019 , 877, 1-34		15
410	A comprehensive understanding of enhanced Pb mobilization in sediments caused by algal blooms. 2019 , 691, 969-980		4
409	Potential applications of algae in the cathode of microbial fuel cells for enhanced electricity generation with simultaneous nutrient removal and algae biorefinery: Current status and future perspectives. 2019 , 292, 122010		45
408	Enhancing lithium ion capture by using a negatively overcharged biomass-based hybrid adsorbent. 2019 , 7, 103337		3
407	Treatment of high-nitrate wastewater mixtures from MnO industry by <i>Chlorella vulgaris</i> . 2019 , 291, 121836		16
406	Mycoremediation of Environmental Pollutants from Contaminated Soil. 2019 , 239-274		9
405	Microalgae. 2019 , 97-128		3
404	Influence of organic matter and CO supply on bioremediation of heavy metals by <i>Chlorella vulgaris</i> and <i>Scenedesmus almeriensis</i> in a multimetallic matrix. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109393	7	11
403	Removal of metals from water using a novel high-rate algal pond and submerged macrophyte pond treatment reactor. 2019 , 79, 1447-1457		1
402	Physiological and metabolic responses of (Chlorophyceae) to nickel toxicity and warming. 2019 , 9, 315		3
401	Making light work of heavy metal contamination: the potential for coupling bioremediation with bioenergy production. 2019 , 94, 3064-3072		16
400	Assessment of the effects of zinc on the growth and antioxidant enzymes in <i>Scenedesmus ellipsoideus</i> Chodat. 2019 , 48, 270-278		1
399	Environmental applications of microalgae/cyanobacteria. 2019 , 47-62		
398	Growth performance and nutrient removal of a <i>Chlorella vulgaris</i> - <i>Rhizobium</i> sp. co-culture during mixotrophic feed-batch cultivation in synthetic wastewater. 2019 , 44, 101690		15
397	Effect of metals of treated electroplating industrial effluents on antioxidant defense system in the microalga <i>Chlorella vulgaris</i> . 2019 , 217, 105317		7
396	Simultaneous Biosynthesis of Silver Nanoparticles with <i>Spirulina</i> sp. LEB 18 Cultivation. 2019 , 15, 263-267		3
395	Hexavalent chromium removal from water by microalgal-based materials: Adsorption, desorption and recovery studies. 2019 , 293, 122064		53

394	A synergistic use of microalgae and macroalgae for heavy metal bioremediation and bioenergy production through hydrothermal liquefaction. 2019 , 3, 292-301	23
393	A critical review on bioremediation technologies for Cr(VI)-contaminated soils and wastewater. 2019 , 49, 1027-1078	171
392	Scaling-up of wastewater bioremediation by <i>Tetradesmus obliquus</i> , sequential bio-treatments of nutrients and metals. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 172, 59-64	7 9
391	Industrial Wastewater-Based Algal Biorefineries: Application Constraints and Future Prospects. 2019 , 371-392	2
390	An Integrated Approach of Wastewater Mitigation and Biomass Production for Biodiesel Using <i>Scenedesmus</i> sp.. 2019 , 467-494	2
389	Cultivation of Microalgae on Anaerobically Digested Agro-industrial Wastes and By-Products. 2019 , 147-172	1
388	Outdoor Microalgae Cultivation for Wastewater Treatment. 2019 , 81-99	3
387	Continuous cultivation of <i>Chlorella minutissima</i> 26a in landfill leachate-based medium using concentric tube airlift photobioreactor. 2019 , 41, 101549	7
386	Cytotoxic and genotoxic effects of arsenic on erythrocytes of <i>Oryzias latipes</i> : Bioremediation using <i>Spirulina platensis</i> . 2019 , 55, 82-88	7
385	Synthesis of a novel ternary HA/Fe-Mn oxides-loaded biochar composite and its application in cadmium(II) and arsenic(V) adsorption. 2019 , 85, 168-176	47
384	Microalgae biosynthesis of silver nanoparticles for application in the control of agricultural pathogens. 2019 , 54, 709-716	22
383	Influence of irrigation with microalgae-treated biogas slurry on agronomic trait, nutritional quality, oxidation resistance, and nitrate and heavy metal residues in Chinese cabbage. 2019 , 244, 453-461	13
382	Inhibition of Photosynthetic Activity in Wastewater-Borne MicroalgalBacterial Consortia under Various Light Conditions. 2019 , 11, 2951	7
381	From Mexico to the Beagle Channel: A review of metal and metalloid pollution studies on wildlife species in Latin America. 2019 , 176, 108462	11
380	Investigating trivalent chromium biosorption-driven extracellular polymeric substances changes of <i>Synechocystis</i> sp. PCC 7806 by parallel factor analysis (PARAFAC) analysis. 2019 , 7, 100249	4
379	Producing Oleaginous Microorganisms Using Wastewater: Methods and Guidelines for Lab- and Industrial-Scale Production. 2019 , 1995, 327-355	1
378	Sensitivity of <i>Chlamydomonas reinhardtii</i> to cadmium stress is associated with phototaxis. 2019 , 21, 1011-10206	
377	Biosorption of Heavy Metals and Dyes from Industrial Effluents by Microalgae. 2019 , 599-634	8

376	Metal Removal from Wastewater Using Sludge from a Natural Stabilization Pond as Biosorbent. 2019 , 13, 581-595		2
375	Microalgal Biostimulants and Biofertilisers in Crop Productions. 2019 , 9, 192		137
374	Green microalgae for combined sewage and tannery effluent treatment: Performance and lipid accumulation potential. 2019 , 241, 167-178		25
373	Algae as a green technology for heavy metals removal from various wastewater. 2019 , 35, 75		67
372	Deterioration of marine soft clay at east China solidified by cement-β-tetakaolin composite. 2019 , 1-9		1
371	Microorganisms and radionuclides. 2019 , 107-139		2
370	The critical utilization of active heterotrophic microalgae for bioremoval of Cr(VI) in organics co-contaminated wastewater. 2019 , 228, 536-544		23
369	Influences of carbon and nitrogen sources and metal ions on the heterotrophic culture of <i>Scenedesmus</i> sp. LX1. 2019 , 26, 13381-13389		4
368	Microalgal extracellular polymeric substances and their interactions with metal(loid)s: A review. 2019 , 49, 1769-1802		40
367	Bioaccumulation and distribution of cadmium by <i>Burkholderia cepacia</i> GYP1 under oligotrophic condition and mechanism analysis at proteome level. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 176, 162-169	7	17
366	Laboratory and in-situ investigations for trapping Pb and Ni with an unusual electrochemical device, the calcareous deposit in seawater. 2019 , 9, 3400		3
365	Characterization of Two Bulgarian Herbs for Use as Biosorbents for Copper(II). 2019 , 52, 2650-2662		0
364	Outdoor pilot trial integrating a sidestream microalgae process for the treatment of centrate under non optimal climate conditions. 2019 , 39, 101430		32
363	Algal culture and biofuel production using wastewater. 2019 , 167-198		6
362	Assessment of Bioactive Potential of Aqueous Protein Extracts from Diatoms <i>Nitzschia laevis</i> , <i>Spirulina platensis</i> , and <i>Chlorella vulgaris</i> . 2019 , 28, 177-193		2
361	Inhibition effect of zinc, cadmium, and nickel ions in microalgal growth and nutrient uptake from water: An experimental approach. 2019 , 366, 358-367		16
360	Removal of heavy metal (Cu ²⁺) by immobilized microalgae biosorbent with effect of temperature and contact time. 2019 , 1402, 022106		2
359	Cadmium uptake from sediment by <i>Cylindrotheca closterium</i> and the effect of diatom presence on partitioning of cadmium between sediment and water: A laboratory study. 2019 , 64, 2550-2568		5

358	Optimum conditions of pH, temperature and preculture for biosorption of europium by microalgae <i>Acutodesmus acuminatus</i> . 2019 , 143, 58-64		18
357	Microalgae biomass from swine wastewater and its conversion to bioenergy. 2019 , 275, 109-122		108
356	Global proteome response of <i>Synechocystis</i> 6803 to extreme copper environments applied to control the activity of the inducible petJ promoter. 2019 , 126, 826-841		5
355	Cyanobacteria in Reducing Pollution Load from Wastewater and Laboratory Bioassay of Heavy Metals on Ecotoxicity Study: A Review. 2019 , 1-13		
354	Applications of Nanotechnology and Biotechnology for Sustainable Water and Wastewater Treatment. 2019 , 405-430		9
353	<i>Nostoc entophytum</i> cell response to cadmium exposure: A possible role of chaperon proteins GroEl and HtpG in cadmium-induced stress. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 40-49	7	8
352	Biotechnological application of microalgae for integrated palm oil mill effluent (POME) remediation: a review. 2019 , 16, 1763-1788		14
351	Long-term effectiveness of sediment dredging on controlling the contamination of arsenic, selenium, and antimony. 2019 , 245, 725-734		10
350	Concurrent biomineralization of silver ions into Ag and AgO by <i>Leptolyngbya</i> strain JSC-1 and the establishment of its axenic culture. 2019 , 215, 693-702		5
349	Marine Chemical and Medicine Resources. 2019 , 622-630		
348	Extracellular biopolymers produced by freshwater cyanobacteria: a screening study. 2019 , 73, 771-776		7
347	Harvesting <i>Nannochloropsis</i> sp. using PES/MWCNT/LiBr membrane with good antifouling properties. 2019 , 212, 1-11		15
346	Optimization of heavy metal biosorption onto freshwater algae (<i>Chlorella coloniales</i>) using response surface methodology (RSM). 2019 , 217, 447-455		111
345	Phytotoxicity of Silver Nanoparticles to Aquatic Plants, Algae, and Microorganisms. 2019 , 143-168		12
344	Carbon biofixation and lipid composition of an acidophilic microalga cultivated on treated wastewater supplied with different CO levels. 2019 , 40, 3308-3317		8
343	Microalgae: An Eco-friendly Tool for the Treatment of Wastewaters for Environmental Safety. 2020 , 283-304		2
342	Phycoremediation: Algae as Eco-friendly Tools for the Removal of Heavy Metals from Wastewaters. 2020 , 53-76		22
341	Cultivation and downstream processing of microalgae and cyanobacteria to generate protein-based technofunctional food ingredients. 2020 , 60, 2961-2989		37

340	Bioremediation of Heavy Metals: A New Approach to Sustainable Agriculture. 2020 , 195-226		3
339	Enhancement of biofuel production by microalgae using cement flue gas as substrate. 2020 , 27, 17571-17586		14
338	Removal of Heavy Metal Contaminants from Wastewater by Using <i>Chlorella vulgaris</i> Beijerinck: A Review. 2020 , 6, 174-187		6
337	Environment-enhancing process for algal wastewater treatment, heavy metal control and hydrothermal biofuel production: A critical review. 2020 , 298, 122421		39
336	Extremophile Microalgae: the potential for biotechnological application. 2020 , 56, 559-573		24
335	Proteomic response of <i>Euglena gracilis</i> to heavy metal exposure ¶Identification of key proteins involved in heavy metal tolerance and accumulation. 2020 , 45, 101764		30
334	Application of algae for heavy metal adsorption: A 20-year meta-analysis. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 190, 110089	7	40
333	Biorefinery of microalgae biomass cultivated in wastewaters. 2020 , 149-180		2
332	Environmental Resilience by Microalgae. 2020 , 293-315		0
331	Helical and linear morphotypes of <i>Arthrospira</i> sp. PCC 8005 display genomic differences and respond differently to 60Co gamma irradiation. 2020 , 55, 129-146		2
330	Cultivating microalgae in wastewater for biomass production, pollutant removal, and atmospheric carbon mitigation; a review. 2020 , 704, 135303		154
329	Microalgae-based Remediation of Wastewaters. 2020 , 317-335		7
328	Bacterially assembled biopolyester nanobeads for removing cadmium from water. 2020 , 186, 116357		4
327	Heavy metals phycoremediation using tolerant green microalgae: Enzymatic and non-enzymatic antioxidant systems for the management of oxidative stress. 2020 , 8, 104460		19
326	Comparative evaluation of aquatic biomass feedstocks for energy application and potential for extraction of plant nutrients from their ash. 2020 , 142, 105783		11
325	Enhanced biosorption of Cr(VI) from synthetic wastewater using algal-bacterial aerobic granular sludge: Batch experiments, kinetics and mechanisms. 2020 , 251, 117323		21
324	Enhancement of Biomass and Lipid Productivities of <i>Scenedesmus</i> sp. Cultivated in the Wastewater of the Dairy Industry. 2020 , 8, 1458		6
323	Removal of copper improves the lipid content in <i>Nannochloropsis oculata</i> culture. 2020 , 27, 44195-44204		5

322	An Effectual Biosorbent Substance for Removal of Manganese Ions from Aquatic Environment: A Promising Environmental Remediation Study with Activated Coastal Waste of Plant. 2020 , 2020, 7806154	2
321	Biosorption of Rare-Earth Elements From Aqueous Solutions Using Walnut Shell. 2020 , 2,	5
320	Heavy Metal Removal via Phycoremediation. 2020 ,	
319	Study of microalgae (<i>Scenedesmus</i> Sp.) utilization as phosphate bioremediator (PO ₄ ³⁻) in domestic wastewater medium. 2020 , 763, 012055	1
318	Comparison of the Photoautotrophic Growth Regimens of in a Photobioreactor for Enhanced Biomass Productivity. 2020 , 9,	1
317	Wastewater treatment based in microalgae. 2020 , 165-184	
316	Molecular tools and applications of <i>Euglena gracilis</i> : From biorefineries to bioremediation. 2020 , 117, 3952-3967	7
315	Lead, cadmium and nickel removal efficiency of white-rot fungus <i>Phlebia brevispora</i> . 2020 , 71, 637-644	6
314	Pathways to economic viability: a pilot scale and techno-economic assessment for algal bioremediation of challenging waste streams. 2020 , 6, 3400-3414	3
313	Microbial-assisted heavy metal remediation: Bottlenecks and prospects. 2020 , 349-372	1
312	Integration of Algae to Improve Nitrogenous Waste Management in Recirculating Aquaculture Systems: A Review. 2020 , 8, 1004	7
311	Removal of Pollutants from an AMD from a Coal Mine by Neutralization/Precipitation Followed by <i>In Vivo</i> Biosorption Step with the Microalgae <i>Scenedesmus</i> sp.. 2020 , 10, 711	5
310	Bioremediation of Ni, Al and Pb by the living cells of a resistant strain of microalga. 2020 , 82, 851-860	4
309	Sulfate and metals removal from acid mine drainage in a horizontal anaerobic immobilized biomass (HAIB) reactor. 2020 , 55, 1436-1449	1
308	Microalgae based wastewater treatment: a shifting paradigm for the developing nations. 2021 , 23, 765-771	5
307	Natural and acquired mechanisms of tolerance to chromium in a <i>Scenedesmus</i> dimorphus strain. 2020 , 52, 102100	2
306	Quality and Health Risk Assessment Associated with Water Consumption A Case Study on Karstic Springs. 2020 , 12, 3510	11
305	Isolation of Four Microalgal Strains From the Lake Massaciucoli: Screening of Common Pollutants Tolerance Pattern and Perspectives for Their Use in Biotechnological Applications. 2020 , 11, 607651	3

304	Structural features of the bioactive cyanobacterium <i>Nostoc</i> sp. exopolysaccharide. 2020 , 164, 2284-2292	3
303	Mercury interactions with algal and plastic microparticles: Comparative role as vectors of metals for the mussel, <i>Mytilus galloprovincialis</i> . 2020 , 396, 122739	25
302	Prospectives and challenges of wastewater treatment technologies to combat contaminants of emerging concerns. 2020 , 152, 105882	32
301	Adsorption of Pb onto freeze-dried microalgae and environmental risk assessment. 2020 , 265, 110472	4
300	Microalgal Metallothioneins and Phytochelatins and Their Potential Use in Bioremediation. 2020 , 11, 517	48
299	Integrated green membrane distillation-microalgae bioremediation for arsenic removal from Pengorak River Kuantan, Malaysia. 2020 , 153, 107996	9
298	Microbial remediation for the removal of inorganic contaminants from treated wood: Recent trends and challenges. 2020 , 258, 127429	26
297	Biopolymers extracted from <i>Klebsiella</i> sp. and <i>Bacillus</i> sp. in wastewater sludge as superb adsorbents for aqueous Hg(II) removal from water. 2020 , 754, 137689	7
296	Marine Algae as Natural Indicator of Environmental Cleanliness. 2020 , 231, 1	9
295	Toxicity, Physiological, and Ultrastructural Effects of Arsenic and Cadmium on the Extremophilic Microalga. 2020 , 17,	7
294	Role of microalgae in treatment of acid mine drainage and recovery of valuable metals. 2020 , 30, 346-350	8
293	Microalgae: a sustainable adsorbent with high potential for upconcentration of indium(III) from liquid process and waste streams. 2020 , 22, 1985-1995	8
292	Microalgae Water Bioremediation: Trends and Hot Topics. 2020 , 10, 1886	33
291	Adriatic cyanobacteria potential for cogeneration biofuel production with oil refinery wastewater remediation. 2020 , 50, 101978	4
290	Increased metal tolerance and bioaccumulation of zinc and cadmium in <i>Chlamydomonas reinhardtii</i> expressing a AtHMA4 C-terminal domain protein. 2020 , 117, 2996-3005	9
289	Microalgal liquid biofertilizer and biostimulant effect on green gram (<i>Vigna radiata</i> L) an experimental cultivation. 2020 , 1	7
288	Diatom mediated heavy metal remediation: A review. 2020 , 305, 123068	36
287	Dispersion of gyrotactic micro-organisms in pipe flows. 2020 , 889,	12

286	Microalgal biovalorization. 2020 , 319-342	1
285	Physiological responses and accumulation ability of <i>Microcystis aeruginosa</i> to zinc and cadmium: Implications for bioremediation of heavy metal pollution. 2020 , 303, 122963	21
284	Aluminium triggers oxidative stress and antioxidant response in the microalgae <i>Scenedesmus</i> sp. 2020 , 246-247, 153114	12
283	Batch Study of Cadmium Biosorption by Carbon Dioxide Enriched <i>Aphanothece</i> sp. Dried Biomass. 2020 , 12, 264	13
282	Physiological and morphological responses and tolerance mechanisms of <i>Isochrysis galbana</i> to Cr(VI) stress. 2020 , 302, 122860	8
281	Multi-genomic analysis of the cation diffusion facilitator transporters from algae. 2020 , 12, 617-630	7
280	Removal of Hexavalent Chromium from Synthetic Wastewater Using Alginate Immobilized Cyanobacteria: Experiment and Mathematical Modeling. 2020 , 37, 283-294	6
279	Effects of metal quantity and quality to the removal of zinc and copper by two common green microalgae (<i>Chlorophyceae</i>) species. 2020 , 68, 227-235	6
278	Municipal waste dumpsite: Impact on soil properties and heavy metal concentrations, Sunyani, Ghana. 2020 , 8, e00390	8
277	Enhanced simultaneous removal of nitrogen, phosphorous, hardness, and methylisothiazolinone from reverse osmosis concentrate by suspended-solid phase cultivation of <i>Scenedesmus</i> sp. LX1. 2020 , 139, 105685	3
276	Enhanced biomass production of <i>Scenedesmus obliquus</i> in a flat-panel photobioreactor, grown in photoautotrophic mode. 2021 , 12, 53-59	4
275	Interactive effects of warming and copper toxicity on a tropical freshwater green microalga <i>Chloromonas augustae</i> (<i>Chlorophyceae</i>). 2021 , 33, 67-77	3
274	Microalgae: A prospective low cost green alternative for nanoparticle synthesis. 2021 , 20, 100163	19
273	Assessing the potential of microalgae for nutrients removal from a landfill leachate using an innovative tubular photobioreactor. 2021 , 413, 127546	15
272	Transcription profiling-guided remodeling of sulfur metabolism in synthetic bacteria for efficiently capturing heavy metals. 2021 , 403, 123638	8
271	Microalgal biosorption of heavy metals: A comprehensive bibliometric review. 2021 , 402, 123431	78
270	Response of microalgae <i>Chlorella vulgaris</i> to Cr stress and continuous Cr removal in a membrane photobioreactor. 2021 , 262, 128422	23
269	Fixed-bed adsorption performance and empirical modeling of cadmium removal using adsorbent prepared from the cyanobacterium <i>Aphanothece</i> sp cultivar. 2021 , 21, 101194	8

268	Influence of zinc and manganese enrichments on growth, biosorption and photosynthetic efficiency of <i>Chlorella</i> sp. 2021 , 28, 8539-8555	0
267	Role of fungi in bioremediation of contaminated soil. 2021 , 121-156	6
266	Application of microalgae in industrial effluent treatment, contaminants removal, and biodiesel production: Opportunities, challenges, and future prospects. 2021 , 481-517	3
265	Biomanagement of hexavalent chromium: Current trends and promising perspectives. 2021 , 279, 111547	28
264	Latest developments in wastewater treatment and biopolymer production by microalgae. 2021 , 9, 104926	27
263	Emerging technologies of algae-based wastewater remediation for bio-fertilizer production: a promising pathway to sustainable agriculture. 2021 , 96, 551-563	8
262	Sorbent hydrogels to control heavy metal pollution in water. 2021 , 247-283	
261	Membrane-based technologies for industrial wastewater treatment and resource recovery. 2021 , 403-421	1
260	A Novel Strategy for the Microbial Removal of Heavy Metals: Cell-surface Display of Peptides. 2021 , 26, 1-9	8
259	Current utilization of microalgae in the food industry beyond direct human consumption. 2021 , 199-248	0
258	Sustainable mitigation of heavy metals from effluents: Toxicity and fate with recent technological advancements. 2021 , 12, 7297-7313	12
257	Nanoscale Construction Biotechnology for Cementitious Materials: A Prospectus. 2021 , 7,	2
256	Metallothionein-and Phytochelatin-Assisted Mechanism of Heavy Metal Detoxification in Microalgae. 2021 , 323-344	2
255	Phycoremediation of Heavy Metals, Factors Involved and Mechanisms Related to Functional Groups in the Algae Cell Surface [A Review]. 2021 , 269-289	1
254	Importance of algae and bacteria in the bioremediation of heavy metals from wastewater treatment plants. 2021 , 343-357	1
253	Retracted: A review on biodesalination using halophytic microalgae: opportunities and challenges.	1
252	Microalgal Cd resistance and its exertions on pigments, biomass and lipid profiles. 2021 , 25, 169-177	
251	Meeting Sustainable Development Goals: Alternative Extraction Processes for Fucoxanthin in Algae. 2020 , 8, 546067	4

250	The Use of Microalgae and Cyanobacteria in the Improvement of Agricultural Practices: A Review on Their Biofertilising, Biostimulating and Biopesticide Roles. 2021 , 11, 871	35
249	Pollution Affecting Cyanobacteria in Aquatic Habitats. 2021 , 11-37	
248	Biosorption of chromium from tannery effluent using carbon-activated algae granules of <i>Chlorella vulgaris</i> and <i>Scenedesmus obliquus</i> . 2021 , 18, 3061-3070	3
247	Heavy metals removal from dumpsite leachate by algae and cyanobacteria. 1-13	4
246	Effects of zinc and mercury on ROS-mediated oxidative stress-induced physiological impairments and antioxidant responses in the microalga <i>Chlorella vulgaris</i> . 2021 , 28, 32475	7
245	Isolation of Industrial Important Bioactive Compounds from Microalgae. 2021 , 26,	22
244	Novel application of isolated and for Li ion biosorption: a comparative study. 2021 , 51, 892-900	1
243	Selenium(IV) alleviates chromium(VI)-induced toxicity in the green alga <i>Chlamydomonas reinhardtii</i> . 2021 , 272, 116407	4
242	Assessment of lead biosorption performance of spent <i>Gelidiella acerosa</i> (marine macro algae): Optimization, isotherm, kinetic, and column studies. 2021 , 40, e13634	
241	The Essentials of Marine Biotechnology. 2021 , 8,	16
240	Assessment of Growth in Anaerobic Digester Effluent. 2021 , 10,	4
239	Astaxanthin as a microalgal metabolite for aquaculture: A review on the synthetic mechanisms, production techniques, and practical application. 2021 , 54, 102178	22
238	Morphological Indicator for Directed Evolution of with a High Heavy Metal Removal Efficiency. 2021 , 55, 7880-7889	1
237	Removal of Cd(II) from Micro-Polluted Water by Magnetic Core-Shell FeO@Prussian Blue. 2021 , 26,	4
236	Potential of Microalgae in Bioremediation of Wastewater. 2021 , 16, 413-429	12
235	The cell wall of green microalgae and its role in heavy metal removal. 2021 , 173, 526-535	23
234	Safety of Alternative Proteins: Technological, Environmental and Regulatory Aspects of Cultured Meat, Plant-Based Meat, Insect Protein and Single-Cell Protein. 2021 , 10,	23
233	Phycoremediation of Synthetic Dyes: An Effective and Eco-Friendly Algal Technology for the Dye Abatement. 2021 , 2021, 1-14	12

232	A state-of-the-art review on the synthetic mechanisms, production technologies, and practical application of polyunsaturated fatty acids from microalgae. 2021 , 55, 102281	15
231	Enhanced tolerance and resistance characteristics of <i>Scenedesmus obliquus</i> FACHB-12 with K3 carrier in cadmium polluted water. 2021 , 55, 102267	4
230	Microalgae cultivation for the treatment of anaerobically digested municipal centrate (ADMC) and anaerobically digested abattoir effluent (ADAE). 2021 , 775, 145853	11
229	Fluctuation analysis to select for Samarium bio-uptaking microalgae clones the repurposing of a classical evolution experiment. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 215, 112134	7
228	Characterization and Biotechnological Potential of Two Native Marine Microalgae Isolated from the Tunisian Coast. 2021 , 11, 5295	1
227	Microalgae biosorption, bioaccumulation and biodegradation efficiency for the remediation of wastewater and carbon dioxide mitigation: Prospects, challenges and opportunities. 2021 , 41, 102009	33
226	Heavy metal treatment and removal using natural zeolites from sewage sludge, compost, and agricultural soils: a review. 2021 , 14, 1	7
225	Algae-based sustainable approach for simultaneous removal of micropollutants, and bacteria from urban wastewater and its real-time reuse for aquaculture. 2021 , 774, 145556	15
224	Heavy metals accumulation in environmental matrices and their influence on potentially harmful dinoflagellates development in the Gulf of Gabes (Tunisia). 2021 , 254, 107317	1
223	Integrated treatment of submerged membrane and adsorption using dried <i>Aphanotheca</i> sp for removing cadmium from synthetic wastewater. 2021 , 41, 102022	1
222	Zinc biosorption by <i>Dunaliella</i> sp. AL-1: Mechanism and effects on cell metabolism. 2021 , 773, 145024	10
221	Enhanced Pb(II) removal by green alga <i>Neochloris oleoabundans</i> cultivated in high dissolved inorganic carbon cultures. 2021 , 416, 128983	6
220	Role of extracellular polymeric substances on nutrients storage and transfer in algal-bacteria symbiosis sludge system treating wastewater. 2021 , 331, 125010	16
219	Evaluating the efficiency of <i>Nostoc commune</i> , <i>Oscillatoria limosa</i> and <i>Chlorella vulgaris</i> in a phycoremediation of heavy metals contaminated industrial wastewater. 2021 , 12, e00817	1
218	Haloarchaea, excellent candidates for removing pollutants from hypersaline wastewater. 2021 ,	3
217	Phycoremediation mechanisms of heavy metals using living green microalgae: physicochemical and molecular approaches for enhancing selectivity and removal capacity. 2021 , 7, e07609	18
216	Response and tolerance ability of to cadmium pollution stress. 2021 , 1-11	2
215	Exploiting the Potential in Water Cleanup from Metals and Nutrients of sp. and. 2021 , 10,	1

214	Enhancement of Cd(II) Adsorption on Microalgae/Montmorillonite Composite. 1	1
213	The Upcoming Li Isotope Requirements Might Be Supplied by a Microalgal Enrichment Process. 2021 , 9,	0
212	Assessment of algal biomass towards removal of Cr(VI) from tannery effluent: a sustainable approach. 2021 , 1	1
211	Valorization of Lignocellulosic and Microalgae Biomass.	
210	Microalgae and bio-polymeric adsorbents: an integrative approach giving new directions to wastewater treatment. 2021 , 1-21	1
209	Harnessing Solar Energy using Phototrophic Microorganisms: A Sustainable Pathway to Bioenergy, Biomaterials, and Environmental Solutions. 2021 , 146, 1-111181	4
208	Current strategies and prospects in algae for remediation and biofuels: An overview. 2021 , 35, 102045	10
207	Wastewater-based microalgal biorefineries for the production of astaxanthin and co-products: Current status, challenges and future perspectives. 2021 , 342, 126018	6
206	Bioremediation of heavy metals from wastewater: a current perspective on microalgae-based future. 2021 ,	19
205	Biologically facilitated precipitation of metals in low-Fe waters at the sulphidic Mount Chalmers mine, Queensland, Australia. 2021 , 136, 104238	1
204	Native <i>Desmodesmus</i> sp. and <i>Chlorella</i> sp. isolated from the Reconquista River display a different binding preference for Cu(II) and Zn(II). 2021 , 293, 112835	2
203	Heavy metal detoxification mechanisms by microalgae: Insights from transcriptomics analysis. 2021 , 285, 117443	17
202	Fatty Acids Derivatives From Eukaryotic Microalgae, Pathways and Potential Applications. 2021 , 12, 718933	2
201	Algae biotechnology for industrial wastewater treatment, bioenergy production, and high-value bioproducts. 2022 , 806, 150585	16
200	Medium composition affects the heavy metal tolerance of microalgae: a comparison. 1	0
199	Effects of algal-bacterial ratio on the growth and cadmium accumulation of <i>Chlorella salina</i> - <i>Bacillus subtilis</i> consortia. 2021 ,	1
198	Green treatment of chromium contaminated water using <i>Spongomorpha indica</i> . 2021 , 48, 102019	1
197	Proteogenomic Analysis Provides Novel Insight into Genome Annotation and Nitrogen Metabolism in sp. PCC 7120. 2021 , 9, e0049021	2

196	Removal of Heavy Metals (Cd ²⁺ , Cu ²⁺ , Ni ²⁺ , Pb ²⁺) from Aqueous Solution Using <i>Hizikia fusiformis</i> as an Algae-Based Bioadsorbent. 2021 , 11, 8604	3
195	Lead tolerance and bioremoval by four strains of green algae from Nigerian fish ponds. 2021 , 58, 102403	0
194	Biosorption of copper ions through microalgae from piggery digestate: Optimization, kinetic, isotherm and mechanism. 2021 , 319, 128724	1
193	Optimizing acid hydrolysis for monosaccharide compositional analysis of <i>Nostoc cf. linckia</i> acidic exopolysaccharide. 2021 , 508, 108400	1
192	Synchrotron Radiation-Fourier Transformed Infrared microspectroscopy (SR-FTIR) reveals multiple metabolism alterations in microalgae induced by cadmium and mercury. 2021 , 419, 126502	0
191	A photobioreactor using <i>Nannochloropsis oculata</i> marine microalgae for removal of polycyclic aromatic hydrocarbons and sorption of metals in produced water. 2021 , 281, 130775	7
190	Novel application of microalgae platform for biodesalination process: A review. 2021 , 337, 125343	4
189	Migration of a micro-swimmer in a channel flow. 2021 , 392, 587-600	5
188	Bioelectrochemical process for simultaneous removal of copper, ammonium and organic matter using an algae-assisted triple-chamber microbial fuel cell. 2021 , 798, 149327	1
187	Swine wastewater treatment in high rate algal ponds: Effects of Cu and Zn on nutrient removal, productivity and biomass composition. 2021 , 299, 113668	1
186	Progress and challenges of contaminate removal from wastewater using microalgae biomass. 2022 , 286, 131656	40
185	Bioremoval capacity of Co using <i>Phormidium tenue</i> and <i>Chlorella vulgaris</i> as biosorbents. 2021 , 204, 111630	2
184	Win-win wastewater phycoremediation: Coupled carbon sequestration and heavy metal removal. 2022 , 529-548	
183	Role of Fe plaque on arsenic biotransformation by marine macroalgae. 2022 , 802, 149776	0
182	Wastewater treatment coupled to algal biomass production. 2022 , 203-230	
181	Microbial Scavenging of Heavy Metals Using Bioremediation Strategies. 2021 , 265-289	1
180	Prospects of algae and bacteria in the remediation of hazardous metals from wastewater. 2021 , 323-342	
179	Chemical water contaminants: potential risk to human health and possible remediation. 2021 , 157-172	0

178	Fungal Enzymes for Bioremediation of Contaminated Soil. 2019 , 189-215	6
177	Biosorbents from Agricultural By-products: Updates After 2000s. 2018 , 1-20	1
176	Biotechnological Strategies for Remediation of Toxic Metal(loid)s from Environment. 2017 , 315-359	3
175	Bioremediation of Lignin-Rich Pulp and Paper Industry Effluent. 2020 , 261-278	0
174	Microalgal Technology: A Promising Tool for Wastewater Remediation. 2020 , 25-56	3
173	An integrated approach for tannery effluent treatment with ozonation and phycoremediation: A feasibility study. 2020 , 183, 109163	30
172	Structural characteristics and biological effects of exopolysaccharide produced by cyanobacterium <i>Nostoc</i> sp. 2020 , 160, 364-371	13
171	Mechanisms of detoxification of high copper concentrations by the microalga <i>Chlorella sorokiniana</i> . 2020 , 477, 3729-3741	3
170	Distinguished Cd(II) Capture with Rapid and Superior Ability using Porous Hexagonal Boron Nitride: Kinetic and Thermodynamic Aspects. 2020 , 35, 284	10
169	Uso de <i>Scenedesmus</i> para la remoci3n de metales pesados y nutrientes de aguas residuales para la industria textil. 2016 , 12, 95-105	3
168	Microalgae Cultivation and Industrial Waste: New Biotechnologies for Obtaining Silver Nanoparticles. 2019 , 16, 369-376	3
167	Treatment of Wastewaters by Microalgae and the Potential Applications of the Produced Biomass: A Review. 2021 , 13, 27	43
166	Effects of heavy metals ions on primary photosynthetic processes in Antarctic filamentous alga <i>Zygnema</i> sp. (Short Communication). 2016 , 6, 180-185	2
165	The effect of heavy metals on the viability of AC16-MESO and an evaluation of the potential use of this microalga in bioremediation. 2018 , 6, e5295	20
164	Microbial Remediation of Pharmaceuticals and Personal Care Products. 2021 , 273-295	
163	Comparative role of microplastics and microalgae as vectors for chlorpyrifos bioaccumulation and related physiological and immune effects in mussels. 2021 , 807, 150983	2
162	Microalgae. 2018 , 141-153	0
161	Metal Pollution in Water: Toxicity, Tolerance and Use of Algae as a Potential Remediation Solution. 2019 , 471-500	2

- 160 EVALUATING THE ESSENTIAL AND NON-ESSENTIAL METAL REMEDIATION EFFICIENCY OF *Chlorella vulgaris*, AND PHOTOSYNTHETIC GENE EXPRESSION LEVEL CHANGES DURING THE PROCESS. 134-142
- 159 Phycoremediation Technology: A Global prospective. **2019**, 1-18
- 158 Algae- and bacteria-driven technologies for pharmaceutical remediation in wastewater. **2020**, 373-408 4
- 157 Emerging role of microalgae in heavy metal bioremediation. **2021**, 1
- 156 The application of microalgae biomass and bio-products as aquafeed for aquaculture. **2021**, 60, 102541 8
- 155 Experimental Study of Removing Inorganic Nitrogen in Aquaculture Water by Immobilized Algal Pellets. **2021**, 10, 509-515
- 154 Microalgae. **2022**, 694-704
- 153 Lactylated acidic exopolysaccharide produced by the cyanobacterium *Nostoc cf. linckia*. **2022**, 276, 118801 0
- 152 Patterns of Heavy Metals in a Continuous Toxicity Monitoring System using Bioluminescent Bacteria. **2020**, 42, 66-74 0
- 151 Metalloids and Their Role in the Biological System. **2020**, 1-17 0
- 150 Defense pathways of *Chlamydomonas reinhardtii* under silver nanoparticle stress: Extracellular biosorption, internalization and antioxidant genes. **2021**, 132764 0
- 149 Comparative assessment of heavy metal contamination of abandoned and active dumpsite of Osun waste management, Ejigbo Road, Osogbo, Osun State, Nigeria. 1-17 0
- 148 Bionanofactories for Green Synthesis of Silver Nanoparticles: Toward Antimicrobial Applications. **2021**, 22, 11
- 147 Bio-remediation capacity for Cd(II) and Pb(II) from the aqueous medium by two novel strains of microalgae and their effect on lipidomics and metabolomics. **2021**, 44, 102404 2
- 146 The effect of metal ion Cd(II) concentration on the growth of *Spirulina* sp. cultured on BG-11 medium. **2020**, 530, 012036 0
- 145 Comparison of industrial-scale tubular photobioreactor to FRP (fiberglass reinforced plastic) panel photobioreactor on outdoor culture of *Nannochloropsis oculata* in the marine hatchery. **2020**, 37, 303-308 1
- 144 Valorization of Wastewater via Nutrient Recovery Using Algae-Based Processes. **2021**, 1-26
- 143 Adaptive and Tolerance Mechanism of Microalgae in Removal of Cadmium from Wastewater. **2021**, 63-88

142	Application of microalgae biotechnology for the sustainable development of aquaculture. 2021 , 117-163	1
141	. 2021 ,	
140	Synthetic Biology-Based Approaches for Microalgal Bio-Removal of Heavy Metals From Wastewater Effluents. 2021 , 9,	0
139	Microalgae as biostimulants: a new approach in agriculture. 2021 , 38, 4	3
138	Biosorption of Zn(II) from Seawater Solution by the Microalgal Biomass of AC16-MESO. 2021 , 22,	1
137	Application of the dry and wet biomass of bryophytes for phytoremediation of metals: Batch experiments. 2021 , 5, 100382	2
136	Growth Kinetics of Microalgae Cultivated in Different Dilutions of Fresh Leachate for Sustainable Nutrient Recovery and Carbon Fixation. 2021 , 178, 108299	0
135	Study on the Influencing Factors and Mechanism of Biochar Loaded Typical Microalgae <i>Chlorella</i> Removal of Cadmium.	
134	Bioaccumulation characteristics and acute toxicity of uranium in <i>Hydrodictyon reticulatum</i> : An algae with potential for wastewater remediation. 2021 , 289, 133189	0
133	Utilization of the microalga <i>Scenedesmus quadricauda</i> for hexavalent chromium bioremediation and biodiesel production.. 2022 , 346, 126665	1
132	An overview of microalgae for Cd ²⁺ and Pb ²⁺ biosorption from wastewater. 2022 , 17, 100932	1
131	<i>Chlorella vulgaris</i> meets TiO NPs: Effective sorbent/photocatalytic hybrid materials for water treatment application. 2021 , 304, 114187	3
130	Physicochemical and Fertility Characteristics of Microbial Soil Ameliorants that Include Harvested Cyanobacterial Microalgal Sludge from a Freshwater Ecosystem, Republic of Korea.	
129	Utilization of the Microalga <i>Scenedesmus Quadricauda</i> for Hexavalent Chromium Bioremediation and Biodiesel Production.	
128	Multifaceted Role of Microalgae for Municipal Wastewater Treatment: A Futuristic Outlook toward Wastewater Management. 2100286	5
127	Quantum yield optimization of carbon dots using response surface methodology and its application as control of Fe ³⁺ -ion levels in drinking water. 2022 , 9, 015702	1
126	Efficacious bioremediation of heavy metals and radionuclides from wastewater employing aquatic macro- and microphytes.. 2022 ,	4
125	Contributions of polysaccharides to arsenate resistance in <i>Chlamydomonas reinhardtii</i> .. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 229, 113091	7 0

124	Titanium Dioxide Nanotubes as Solid-Phase Extraction Adsorbent for the Determination of Copper in Natural Water Samples.. 2022 , 15,	1
123	Biological Approaches Integrating Algae and Bacteria for the Degradation of Wastewater Contaminants-A Review.. 2021 , 12, 801051	5
122	Application of filamentous fungi in microalgae-based wastewater remediation for biomass harvesting and utilization: From mechanisms to practical application. 2022 , 62, 102614	0
121	Implication of municipal wastewater on growth kinetics, biochemical profile, and defense system of <i>Chlorella vulgaris</i> and <i>Scenedesmus vacuolatus</i> . 2022 , 26, 102334	0
120	Microalgal Applications in Nanotechnology: An Outstanding Tool for Nanocompounds Synthesis and Bioproducts Obtention. 2021 , 95-116	0
119	Phycoremediation: Treatment of Pollutants and an Initiative Towards Sustainable Environment. 2021 , 485-511	
118	Treatment of anaerobic digestion effluents by microalgal cultures. 2022 , 113-148	
117	Microalgae Improve the Photosynthetic Performance of Rice Seedlings (<i>Oryza sativa</i> L.) under Physiological Conditions and Cadmium Stress. 2022 , 91, 1365-1380	
116	Harnessing the Power of Microbes to Overcome Heavy Metal Stress in Crop Plants. 2022 , 251-275	
115	Microbial bioremediation of heavy metals by Marine bacteria. 2022 , 177-203	0
114	Microalgae-Based Remediation Approaches in Textile Dye Removal. 2022 , 107-127	1
113	Microalgae-based technologies for circular wastewater treatment. 2022 , 81-112	0
112	A Comparative Review on Bioremediation of Chromium by Bacterial, Fungal, Algal and Microbial Consortia. 1-16	1
111	Pb(II)-phycoremediation mechanism using : cells physicochemical properties and metabolomic profiling.. 2022 , 8, e08967	1
110	Is Genetic Engineering a Route to Enhance Microalgae-Mediated Bioremediation of Heavy Metal-Containing Effluents?. 2022 , 27,	3
109	Astaxanthin bioaccumulation in microalgae under environmental stress simulated in industrial effluents highlighting prospects of <i>Haematococcus pluvialis</i> : knowledge gaps and prospective approaches. 1	3
108	A Survey on Nanotechnology-Based Bioremediation of Wastewater.. 2022 , 2022, 5063177	1
107	Hydrodynamics of an inertial squirmer and squirmer dumbbell in a tube. 2022 , 939,	1

106	Probing Herbicide Toxicity to Algae () by Lipid Profiling with Machine Learning and Microchip/MALDI-TOF Mass Spectrometry.. 2022 ,	
105	Sugar Beet Processing Wastewater Treatment by Microalgae through Biosorption. 2022 , 14, 860	2
104	Utilization of Different Carbon Sources by Nordic Microalgae Grown Under Mixotrophic Conditions. 2022 , 9,	0
103	An overview of microalgae biomass as a sustainable aquaculture feed ingredient: food security and circular economy.. 2022 , 13, 9521-9547	1
102	High cobalt exposure facilitates bioactive exopolysaccharides production with a novel molecular structure in <i>Botryococcus braunii</i> . 2022 , 136294	1
101	Prospects and environmental sustainability of phyconanotechnology: A review on algae-mediated metal nanoparticles synthesis and mechanism.. 2022 , 113140	3
100	Performance evaluation of <i>Nannochloropsis oculata</i> Carbon nanoparticle blend as fuel in compression ignition engine.	1
99	Phycoremediation of contaminated water by cadmium (Cd) using two cyanobacterial strains (<i>Trichormus variabilis</i> and <i>Nostoc muscorum</i>). 2021 , 33,	2
98	Bioinformatic prediction of putative metallothioneins in non-ciliate protists.. 2022 , 18, 20220039	1
97	Data_Sheet_1.pdf. 2020 ,	
96	Table_1.pdf. 2020 ,	
95	Image_1.JPEG. 2020 ,	
94	Image_2.JPEG. 2020 ,	
93	Image_3.JPEG. 2020 ,	
92	Table_1.DOCX. 2020 ,	
91	Biosorbents in Industrial Wastewater Treatment. 2022 , 101-132	
90	Microalgae cultivation in wastewater from agro-industries: An approach integrated for bioremediation and biomass production. 2022 , 101-125	
89	<i>Scenedesmus</i> sp. Harvesting by Using Natural Coagulant after Phycoremediation of Heavy Metals in Different Concentrations of Wet Market Wastewater for Potential Fish Feeds. 2022 , 14, 5090	1

- 88 Heavy metal stress response of microalgal strains *Arthonema africanum* and *Coelastrella* sp. BGV. 17, 83-94
- 87 Valorization of wastewater through microalgae as a prospect for generation of biofuel and high-value products. **2022**, 132114 2
- 86 Natural-Based Solutions for Bioremediation in Water Environment. **2022**, 1-93
- 85 A comparative analysis of the adsorption kinetics of Cu²⁺ and Cd²⁺ by the microalgae *Chlorella vulgaris* and *Scenedesmus obliquus*. **2022**, 64, 102710 1
- 84 Phytoremediation of Heavy Metals: An Indispensable Contrivance in Green Remediation Technology.. **2022**, 11, 6
- 83 Recent Advances of Nanotechnology in Mitigating Emerging Pollutants in Water and Wastewater: Status, Challenges, and Opportunities. **2022**, 233, 0
- 82 Microalgal Bioremediation of Emerging Contaminants in Domestic Wastewater. **2022**, 231-250
- 81 Biopolymer treatment of ammonium-rich industrial effluents for the mass cultivation of microalgae. 0
- 80 Wastewater, reclaimed water, and seawater utilization in the production of microalgae-based fuels. **2022**, 153-173
- 79 Kinetic Modeling of Cd(II) and Pb(II) Biosorption from Aqueous Solution by Inactive Biomass of *Nannochloropsis oculata* Microalgae. **2022**, 233, 0
- 78 The Role of Phytoplankton in Self-Purification of Water Bodies with Radionuclide Pollutants. **2022**, 64, 120-132 0
- 77 Microalgae as an Effective Recovery Agent for Vanadium in Aquatic Environment. **2022**, 15, 4467 0
- 76 Heterologous Expression of the Phytochelatin Synthase CaPCS2 from *Chlamydomonas acidophila* and Its Effect on Different Stress Factors in *Escherichia coli*. **2022**, 19, 7692
- 75 A review of microalgae-based biorefineries approach for produced water treatment: Barriers, pretreatments, supplementation, and perspectives. **2022**, 108096 0
- 74 Impact evaluation with potential ecological risk of dumping sites on soil in Baglung Municipality, Nepal. **2022**, 8, 100564
- 73 Synergism and Mutualistic Symbiosis Mechanism between Microalgae and Fungi in Fungi-Microalgae Symbiotic System.
- 72 Heavy metal accumulation potential of aquatic fungi. **2022**, 193-208 0
- 71 Phylogenetic Illustration of *Eisenia fetida*; Associated Vermi-bacteria Involved in Heavy Metals Remediation and Retaining Plant Growth Promoting Traits. **2022**, 0

70	Phycoremediation: An Advanced Treatment Approach for Domestic Wastewater. 2023 , 57-63	
69	Novel strategies and advancement in reducing heavy metals from the contaminated environment. 2022 , 204,	0
68	Phycoremediation: Use of Algae to Sequester Heavy Metals. 2022 , 1, 288-303	3
67	Effect of arsenic accumulation on growth and antioxidant defense system of <i>Chlorella thermophila</i> SM01 and <i>Leptolyngbya</i> sp. XZMQ. 2022 , 66, 102762	0
66	Microcystis colony formation: Extracellular polymeric substance, associated microorganisms, and its application. 2022 , 360, 127610	1
65	Wetland Flora of West Bengal for Phytoremediation: Physiological and Biotechnological Studies A Review. 2022 , 455-485	0
64	Putative Protein Discovery from Microalgal Genomes as a Synthetic Biology Protein Library for Heavy Metal Bio-Removal. 2022 , 11, 1226	
63	Current Concentrations of Zn, Cu, and As in Piggery Wastewater Compromise Nutrient Removals in Microalgae Bacteria Photobioreactors Due to Altered Microbial Communities. 2022 , 11, 1176	0
62	Optimization of the biological salt removal process from artificial industrial wastewater with high TDS by <i>Spirulina</i> microalga using the response surface method.	
61	Response of Antioxidant Enzyme Activities of the Green Microalga <i>Chlorococcum</i> sp. AZHB to Cu ²⁺ and Cd ²⁺ Stress. 2022 , 14, 10320	0
60	Synergism and mutualistic interactions between microalgae and fungi in fungi-microalgae symbiotic system. 2022 , 361, 127728	0
59	Microbial bioremediation: A promising approach to withstand heavy metal contamination in soil and its future possibilities. 2022 , 227-262	0
58	Capturing effects of filamentous fungi <i>Aspergillus flavus</i> ZJ-1 on microalgae <i>Chlorella vulgaris</i> WZ-1 and the application of their co-integrated fungi-algae pellets for Cu(II) adsorption. 2023 , 442, 130105	0
57	Microalgae-based wastewater treatment for developing economic and environmental sustainability: Current status and future prospects. 10,	0
56	Microalgal Phycoremediation: A Glimpse into a Sustainable Environment. 2022 , 10, 525	1
55	Copper Effect on Microalgae: Toxicity and Bioremediation Strategies. 2022 , 10, 527	3
54	Arsenic Induced Responses in Plants. 2022 , 64-98	0
53	An LC-MS/MS method for quantitation of methylparaben, benzophenone, and pharmaceutical compounds from domestic wastewater. 2,	0

- 52 Removal and recovery of uranium (VI) from aqueous solutions by residual sludge and its biochars. ○
- 51 Investigation of toxic effect of mercury on *Microcystis aeruginosa*: Correlation between intracellular mercury content at single cells level and algae physiological responses. **2022**, 159894 ○
- 50 A novel integrated system for heavy metals removal and biodiesel production via green microalgae: A techno-economic feasibility assessment. **2022**, 10, 108804 ○
- 49 A waste-based circular economy approach for phycoremediation of X-ray developer solution. **2023**, 316, 120530 ○
- 48 Enhanced Cd(II) biomineralization induced by microalgae after cultivating modification in high-phosphorus culture. **2023**, 443, 130243 ○
- 47 Responses and tolerance mechanisms of microalgae to heavy metal stress: A review. **2023**, 183, 105805 1
- 46 Dynamic removal of Pb(II) by live *Dunaliella salina*: A competitive uptake and isotherm model study. ○
- 45 Effective removal of fluoride ions from aqueous solution by marine microalgae as natural biosorbent. **2022**, 137312 ○
- 44 An integrated approach for the phycoremediation of Pb(II) and the production of biofertilizer using nitrogen-fixing cyanobacteria. **2022**, 130448 ○
- 43 Sediment and residual feed from aquaculture water bodies threaten aquatic environmental ecosystem: Interactions among algae, heavy metals, and nutrients. **2023**, 326, 116735 ○
- 42 Microalgae-based wastewater treatment for micropollutant removal in swine effluent: High-rate algal ponds performance under different zinc concentrations. **2023**, 69, 102930 ○
- 41 The roles of bacteria in resource recovery, wastewater treatment and carbon fixation by microalgae-bacteria consortia: A critical review. **2023**, 69, 102938 ○
- 40 Review on rewiring of microalgal strategies for the heavy metal remediation - A metal specific logistics and tactics. **2023**, 313, 137310 ○
- 39 Cyanobacterial pigment production in wastewaters treated for heavy metal removal: Current status and perspectives. **2023**, 11, 108999 ○
- 38 AlgaeBacterial Mixed Culture for Waste to Wealth Conversation: A Case Study. **2023**, 271-295 ○
- 37 High cadmium tolerance in *Stichococcus*-like microalgae (*Tetratostichococcus* sp. P1) from Malaysia. **2022**, 1091, 012045 ○
- 36 Evaluation of the Bio-Stimulating Activity of Lake Algae Extracts on Edible Cacti *Mammillaria prolifera* and *Mammillaria glassii*. **2022**, 11, 3586 ○
- 35 Adsorptive recovery of arsenic (III) ions from aqueous solutions using dried *Chlamydomonas* sp.. **2022**, 8, e12398 ○

- 34 Microbial remediation mechanisms and applications for lead-contaminated environments. **2023**, 39, 0
- 33 Algal biomass dual roles in phycoremediation of wastewater and production of bioenergy and value-added products. 1
- 32 Evaluation of Commercial Reverse Osmosis and Nanofiltration Membranes for the Removal of Heavy Metals from Surface Water in the Democratic Republic of Congo. **2022**, 4, 1300-1316 2
- 31 Sustainable Mitigation of Wastewater Issues Using Microbes: Hurdles and Future Strategies. **2022**, 191-214 0
- 30 Identification of a Green Algal Strain Collected from the Sarno River Mouth (Gulf of Naples, Italy) and Its Exploitation for Heavy Metal Remediation. **2022**, 10, 2445 0
- 29 Biogeochemical Factors of Cs, Sr, U, Pu Immobilization in Bottom Sediments of the Upa River, Located in the Zone of Chernobyl Accident. **2023**, 12, 10 0
- 28 Algal-Bacterial Consortiums, from Fundamental Interactions to Environmental Applications. **2023**, 65-77 0
- 27 Recent progress in practical applications of a potential carotenoid astaxanthin in aquaculture industry: a review. 2
- 26 Bioremediation Using Microalgae and Cyanobacteria and Biomass Valorisation. **2023**, 5-28 0
- 25 Enhanced cadmium removal by biochar and iron oxides composite: Material interactions and pore structure. **2023**, 330, 117136 0
- 24 Omics Approaches for Microalgal Applications in Wastewater Treatment. **2023**, 143-156 0
- 23 Recent Advancements in Municipal Wastewater as Source of Biofuels from Algae. **2023**, 1-25 0
- 22 A comparative study of the accumulation and detoxification of copper and zinc in *Chlamydomonas reinhardtii*: The role of extracellular polymeric substances. **2023**, 871, 161995 0
- 21 A sustainable vanadium bioremediation strategy from aqueous media by two potential green microalgae. **2023**, 121247 0
- 20 A coupled photocatalytic system using niobium oxide and microalga: Cr (VI)-contaminated wastewater treatment. **2023**, 439, 114602 0
- 19 Bioleaching of critical metals using microalgae. **2023**, 10, 226-244 0
- 18 Effective and sustainable bioremediation of molybdenum pollutants from wastewaters by potential microalgae. **2023**, 30, 103091 0
- 17 Heavy metal removal by the photosynthetic microbial biomat found within shallow unit process open water constructed wetlands. **2023**, 876, 162478 0

- 16 *Chlorella sorokiniana* FK-montmorillonite interaction enhanced remediation of heavy metals in tailings. **2023**, 876, 163208
- 15 Integrating microalgae production into mine closure plans. **2023**, 337, 117736
- 14 Magnetized microalgae: An efficient tool for Pb and Cd removal from aqueous media.
- 13 Light intensity effect on the performance of *Rhodobacter capsulatus* in removal of chromium from effluent. **2023**, 52, 103567
- 12 Highly effective sequestration of Cd(II) from aqueous solution using marine diatom biomass: Adsorption performances and mechanism. 11,
- 11 Enhancing Urban Wastewater Treatment through Isolated *Chlorella* Strain-Based Phytoremediation in Centrate Stream: An Analysis of Algae Morpho-Physiology and Nutrients Removal Efficiency. **2023**, 12, 1027
- 10 Rare earths stick to rare cyanobacteria: Future potential for bioremediation and recovery of rare earth elements. 11,
- 9 Nordic microalgae produce biostimulant for the germination of tomato and barley seeds. **2023**, 13,
- 8 Perspectives of nanomaterials in microbial remediation of heavy metals and their environmental consequences: A review. 1-48
- 7 Remediation of Heavy Metals in Polluted Water by Immobilized Algae: Current Applications and Future Perspectives. **2023**, 15, 5128
- 6 Potential Role of *Spirogyra* sp. and *Chlorella* sp. in Bioremediation of Mine Drainage: A Review. **2023**, 3, 186-201
- 5 Versatile biotechnological applications of *Euglena gracilis*. **2023**, 39,
- 4 Preliminary assessment of microbial mats in seawater metal remediation. **2023**, 195,
- 3 Kinetic and Equilibrium Studies on the Adsorption of Lead and Cadmium from Aqueous Solution Using *Scenedesmus* sp.. **2023**, 15, 6024
- 2 The interplay between microalgae and toxic metal(loid)s: mechanisms and implications in AMD phycoremediation coupled with Fe/Mn mineralization. **2023**, 454, 131498
- 1 Heavy metal tolerance in microalgae: Detoxification mechanisms and applications. **2023**, 260, 106555