

# Naba Kumar Mondal

## List of Publications by Year in descending order

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112  
papers

3,099  
citations

136950  
32  
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197818  
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115  
all docs

115  
docs citations

115  
times ranked

3326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glyphosate adsorptive behaviour using magnetic activated carbon: kinetics, isotherms, and DFT study. Biomass Conversion and Biorefinery, 2023, 13, 13221-13234.	4.6	3
2	Insecticidal and fungicidal performance of bio-fabricated silver and gold nanoparticles. International Journal of Environmental Science and Technology, 2022, 19, 1573-1592.	3.5	20
3	Adsorption of fluoride in aqueous solutions using saline water algae (Rhodophyta&sp.): an insight into isotherm, kinetics, thermodynamics and optimization studies. Modeling Earth Systems and Environment, 2022, 8, 3507-3521.	3.4	8
4	Fabrication of biochar-based hybrid Ag nanocomposite from algal biomass waste for toxic dye-laden wastewater treatment. Chemosphere, 2022, 289, 133243.	8.2	26
5	Optimization of rural indoor kitchen structure and minimizing the pollution load. , 2022, , 181-202.		1
6	Assessment of household air pollution exposure of tribal women. Science of the Total Environment, 2022, 817, 152869.	8.0	8
7	Impact of two commercially available hair dyes on germination, morpho-physiology, and biochemistry of Cicer arietinum L. and cytotoxicity study on Allium cepa L. root tip. Environmental Research, 2022, 208, 112681.	7.5	7
8	Geochemical appraisal of groundwater arsenic contamination and human health risk assessment in the Gangetic Basin in Murshidabad District of West Bengal, India. Environmental Earth Sciences, 2022, 81, 1.	2.7	5
9	Optimization of Household Ventilation with Improved Cookstove: An Amicable Approach to Strengthen Indoor Air Quality and Public Health. Ambient Intelligence and Smart Environments, 2022, , .	0.3	2
10	Bio-fabricated silver nanoparticles for controlling dengue and filaria vectors and their characterization, as well as toxicological risk assessment in aquatic mesocosms. Environmental Research, 2022, 212, 113309.	7.5	7
11	Impact of Inorganic Arsenic (III and V) on Growth and Development of Rice (Oryza sativa L.) with Special Emphasis on Root and Coleoptile Growth. Environmental Processes, 2022, 9, 1.	3.5	16
12	Box&Bee Behnken optimization of glyphosate adsorption on to biofabricated calcium hydroxyapatite: kinetic, isotherm, thermodynamic studies. Applied Nanoscience (Switzerland), 2021, 11, 687-697.	3.1	15
13	Nanoparticles: A new tool for control of mosquito larvae. , 2021, , 49-70.		2
14	A study on the role of Silica nanoparticles in alleviation of fluoride toxicity in rice (Oryza sativa L.) seedlings. Plant Physiology Reports, 2021, 26, 200-209.	1.5	5
15	Insight into Photocatalytic Degradation of Amoxicillin by Biofabricated Granular Zinc Oxide Nanoparticle: Mechanism, Optimization and Toxicity Evaluation. International Journal of Environmental Research, 2021, 15, 571-583.	2.3	13
16	Reduction in household air pollution and associated health risk: a pilot study with an improved cookstove in rural households. Clean Technologies and Environmental Policy, 2021, 23, 1993-2009.	4.1	12
17	Estimation of Nitrogen Dioxide (NO2) due to Burning of Household Biomass Fuel and Assessment of Health Risk among Women in Rural West Bengal. Current World Environment Journal, 2021, Special Issue, 45-52.	0.5	2
18	Statistical optimization of glyphosate adsorption by silver nanoparticles loaded activated carbon: Kinetics, isotherms and thermodynamics. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100547.	2.9	6

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19	Hexavalent chromium accumulation kinetics and physiological responses exhibited by <i>Eichhornia</i> sp. and <i>Pistia</i> sp.. International Journal of Environmental Science and Technology, 2020, 17, 1397-1410.	3.5	13
20	Genotoxicity study of nano Al <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> and ZnO along with UV-B exposure: An <i>Allium cepa</i> root tip assay. Science of the Total Environment, 2020, 713, 136592.	8.0	37
21	Recycling of municipal solid waste into valuable organic fertilizer towards rejuvenation of crop physiology, yield and soil health. Archives of Agronomy and Soil Science, 2020, , 1-12.	2.6	1
22	Prevalence of Arsenic in chicken feed and its contamination pattern in different parts of chicken flesh: a market basket study. Environmental Monitoring and Assessment, 2020, 192, 590.	2.7	6
23	Enhanced aqueous phase arsenic removal by a biochar based iron nanocomposite. Environmental Technology and Innovation, 2020, 19, 100936.	6.1	46
24	Effective removal of congo red dye from aqueous solution using biosynthesized zinc oxide nanoparticles. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100320.	2.9	25
25	Facile Fabrication of Amino-Functionalized Silicon Flakes for Removal of Organophosphorus Herbicide: In Silico Optimization. Water Conservation Science and Engineering, 2020, 5, 67-80.	1.7	10
26	Comparative study on physicochemical status and diversity of macrophytes and zooplanktons of two urban ponds of Chandannagar, WB, India. Applied Water Science, 2020, 10, 1.	5.6	18
27	Adsorption of Cr(VI) from aqueous solution on graphene oxide (GO) prepared from graphite: equilibrium, kinetic and thermodynamic studies. Applied Water Science, 2020, 10, 1.	5.6	89
28	Glyphosate adsorption by <i>Eucalyptus camaldulensis</i> bark-mediated char and optimization through response surface modeling. Applied Water Science, 2019, 9, 1.	5.6	27
29	Potentiality of <i>Eichhornia</i> shoots ash towards removal of Congo red from aqueous solution: Isotherms, kinetics, thermodynamics and optimization studies. Groundwater for Sustainable Development, 2019, 9, 100269.	4.6	13
30	Optimization study of adsorption parameters for removal of Cr(VI) using <i>Magnolia</i> leaf biomass by response surface methodology. Sustainable Water Resources Management, 2019, 5, 1627-1639.	2.1	28
31	Potentiality of mosambi ( <i>Citrus limetta</i> ) peel dust toward removal of Cr(VI) from aqueous solution: an optimization study. Applied Water Science, 2019, 9, 1.	5.6	22
32	Decontamination and optimization study of hexavalent chromium on modified chicken feather using response surface methodology. Applied Water Science, 2019, 9, 1.	5.6	19
33	Potentiality of waste human hair towards removal of chromium(VI) from solution: kinetic and equilibrium studies. Applied Water Science, 2019, 9, 1.	5.6	34
34	Efficacy of onion peel towards removal of nitrate from aqueous solution and field samples. Environmental Nanotechnology, Monitoring and Management, 2019, 11, 100222.	2.9	14
35	Temporal and Vertical Variation of Selected Extracellular Enzyme Activities on Tree Litter Degradation of a Subtropical Forest. Agricultural Research, 2019, 8, 84-91.	1.7	2
36	Application of Taguchi method for optimizing the process parameters for the removal of fluoride by Al-impregnated <i>Eucalyptus</i> bark ash. Environmental Nanotechnology, Monitoring and Management, 2019, 11, 100206.	2.9	20

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37	Synthesis of silver nanoparticle with <i>Colocasia esculenta</i> (L.) stem and its larvicidal activity against <i>Culex quinquefasciatus</i> and <i>Chironomus</i> sp. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2019, 9, 510.	1.2	17
38	Enhanced chromium(VI) removal using banana peel dust: isotherms, kinetics and thermodynamics study. <i>Sustainable Water Resources Management</i> , 2018, 4, 489-497.	2.1	40
39	Assessment of Health Risk of Children from Traditional Biomass Burning in Rural Households. <i>Exposure and Health</i> , 2018, 10, 15-26.	4.9	17
40	Removal of carbaryl insecticide from aqueous solution using eggshell powder: a modeling study. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	19
41	Potentiality of banana peel for removal of Congo red dye from aqueous solution: isotherm, kinetics and thermodynamics studies. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	95
42	Potentiality of a fruit peel (banana peel) toward abatement of fluoride from synthetic and underground water samples collected from fluoride affected villages of Birbhum district. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	25
43	Hypertensive and toxicological health risk among women exposed to biomass smoke: A rural Indian scenario. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 706-714.	6.0	29
44	Cytogenetic effects of silver and gold nanoparticles on <i>Allium cepa</i> roots. <i>Journal of Genetic Engineering and Biotechnology</i> , 2018, 16, 519-526.	3.3	34
45	Chemical fertilizer in conjunction with biofertilizer and vermicompost induced changes in morpho-physiological and bio-chemical traits of mustard crop. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2017, 16, 135-144.	1.9	46
46	Biosorption of Congo Red from aqueous solution onto burned root of <i>Eichhornia crassipes</i> biomass. <i>Applied Water Science</i> , 2017, 7, 1841-1854.	5.6	42
47	Effect of Arsenic and Manganese Exposure on Intellectual Function of Children in Arsenic Stress Area of Purbasthali, Burdwan, West Bengal. <i>Exposure and Health</i> , 2017, 9, 1-11.	4.9	8
48	Modeling of the adsorptive removal of arsenic(III) using plant biomass: a bioremedial approach. <i>Applied Water Science</i> , 2017, 7, 1307-1321.	5.6	38
49	An optimization study for defluoridation from synthetic fluoride solution using scale of Indian major carp <i>Catla</i> ( <i>Catla catla</i> ): An Unconventional Biosorbent. <i>Journal of Fluorine Chemistry</i> , 2017, 195, 57-69.	1.7	31
50	Optimization of Cr(VI) biosorption onto <i>Aspergillus niger</i> using 3-level Box-Behnken design: Equilibrium, kinetic, thermodynamic and regeneration studies. <i>Journal of Genetic Engineering and Biotechnology</i> , 2017, 15, 151-160.	3.3	82
51	Chromium toxicity and ultrastructural deformation of <i>Cicer arietinum</i> with special reference of root elongation and coleoptile growth. <i>Annals of Agrarian Science</i> , 2017, 15, 396-401.	1.2	40
52	Effect of fluoride on photosynthesis, growth and accumulation of four widely cultivated rice ( <i>Oryza</i> )	8.0	64
53	Statistical optimization study of adsorption parameters for the removal of glyphosate on forest soil using the response surface methodology. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	33
54	Natural Banana ( <i>Musa acuminata</i> ) Peel: an Unconventional Adsorbent for Removal of Fluoride from Aqueous Solution through Batch Study. <i>Water Conservation Science and Engineering</i> , 2017, 1, 223-232.	1.7	25

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55	Investigation of Bioremediation of Arsenic by Bacteria Isolated from an Arsenic Contaminated Area. Environmental Processes, 2017, 4, 183-199.	3.5	4
56	Effects of ZnO and TiO <sub>2</sub> nanoparticles on germination, biochemical and morphoanatomical attributes of <i>Cicer arietinum</i> L. Energy, Ecology and Environment, 2017, 2, 277-288.	3.9	47
57	Optimizing adsorption of fluoride from water by modified banana peel dust using response surface modelling approach. Applied Water Science, 2016, 6, 115-135.	5.6	53
58	Optimization study of adsorption parameters for removal of fluoride using aluminium-impregnated potato plant ash by response surface methodology. Clean Technologies and Environmental Policy, 2016, 18, 1069-1083.	4.1	21
59	Optimization of Adsorption Parameters for Removal of Carbaryl Insecticide Using Neem Bark Dust by Response Surface Methodology. Water Conservation Science and Engineering, 2016, 1, 127-141.	1.7	29
60	Biosorption of Fluoride from Aqueous Solution Using Lichen and Its Ca-Pretreated Biomass. Water Conservation Science and Engineering, 2016, 1, 143-160.	1.7	16
61	Phytofabrication of silver nanoparticles using <i>Elephantopus scaber</i> and <i>Azadirachta indica</i> leaf extract and its effect on larval and pupal mortality of <i>Culex quinquefasciatus</i> . Asian Pacific Journal of Tropical Disease, 2016, 6, 979-986.	0.5	8
62	Ultrastructural deformation of plant cell under heavy metal stress in Gram seedlings. Cogent Environmental Science, 2016, 2, 1196472.	1.6	24
63	Delineation of groundwater quality in the presence of fluoride in selected villages of Simlapal block, Bankura district, West Bengal, India. Sustainable Water Resources Management, 2016, 2, 439-451.	2.1	9
64	Litterfall, decomposition and nutrient release of <i>Shorea robusta</i> and <i>Tectona grandis</i> in a sub-tropical forest of West Bengal, Eastern India. Journal of Forestry Research, 2016, 27, 1055-1065.	3.6	18
65	Dental fluorosis and urinary fluoride concentration as a reflection of fluoride exposure and its impact on IQ level and BMI of children of Laxmisagar, Simlapal Block of Bankura District, W.B., India. Environmental Monitoring and Assessment, 2016, 188, 218.	2.7	58
66	Effective utilization of calcareous soil towards the removal of methylene blue from aqueous solution. Clean Technologies and Environmental Policy, 2016, 18, 867-881.	4.1	10
67	Isolation and characterization of arsenic-resistant bacteria and possible application in bioremediation. Biotechnology Reports (Amsterdam, Netherlands), 2016, 10, 1-7.	4.4	166
68	Fluoride Adsorption by Calcium Carbonate, Activated Alumina and Activated Sugarcane Ash. Environmental Processes, 2016, 3, 195-216.	3.5	18
69	Mosquito larvicidal activity of cadmium nanoparticles synthesized from petal extracts of marigold ( <i>Tagetes</i> sp.) and rose ( <i>Rosa</i> sp.) flower. Journal of Parasitic Diseases, 2016, 40, 1519-1527.	1.0	36
70	Optimization study of adsorption parameters for removal of phenol on gastropod shell dust using response surface methodology. Clean Technologies and Environmental Policy, 2016, 18, 429-447.	4.1	22
71	STATISTICAL APPRAISAL OF FLUORIDE ENRICHMENT IN AREAS OF MALDA AND SOUTH DINAJPUR DISTRICT, WEST BENGAL, INDIA. Journal of Urban and Environmental Engineering, 2016, 9, 119-126.	0.3	1
72	Biosynthesis of silver nanoparticles from Aloe vera leaf extract and antifungal activity against <i>Rhizopus</i> sp. and <i>Aspergillus</i> sp.. Applied Nanoscience (Switzerland), 2015, 5, 875-880.	3.1	183

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73	Influence of indigenous inputs on the properties of old alluvial soil in a mustard cropping system. Archives of Agronomy and Soil Science, 2015, 61, 1319-1332.	2.6	11
74	Adsorption of fluoride from aqueous solution by a new low-cost adsorbent: thermally and chemically activated coconut fibre dust. Clean Technologies and Environmental Policy, 2015, 17, 2157-2172.	4.1	42
75	Effect of mercury on seedling growth, nodulation and ultrastructural deformation of Vigna radiata (L) Wilczek. Environmental Monitoring and Assessment, 2015, 187, 241.	2.7	47
76	Seasonal variation of soil enzymes in areas of fluoride stress in Birbhum District, West Bengal, India. Journal of Taibah University for Science, 2015, 9, 133-142.	2.5	9
77	Removal of fluoride by aluminum impregnated coconut fiber from synthetic fluoride solution and natural water. AEJ - Alexandria Engineering Journal, 2015, 54, 1273-1284.	6.4	67
78	Soil enzyme activity under arsenic-stressed area of Purbasthali, West Bengal, India. Archives of Agronomy and Soil Science, 2015, 61, 73-87.	2.6	6
79	A quantum backpropagation multilayer perceptron (QBMLP) for predicting iron adsorption capacity of calcareous soil from aqueous solution. Applied Soft Computing Journal, 2015, 27, 299-312.	7.2	9
80	An alternative eco-friendly approach for sustainable crop production with the use of indigenous inputs under old alluvial soil zone of Burdwan, West Bengal, India. Archives of Agronomy and Soil Science, 2015, 61, 55-72.	2.6	12
81	Neural network model and isotherm study for removal of phenol from aqueous solution by orange peel ash. Applied Water Science, 2015, 5, 271-282.	5.6	10
82	Silver Nanoparticles: An Eco-Friendly Approach for Mosquito Control. International Journal of Scientific Research in Environmental Sciences, 2015, 3, 47-61.	0.1	9
83	Vulnerability of bus and truck drivers affected from vehicle engine noise. International Journal of Sustainable Built Environment, 2014, 3, 199-206.	3.2	14
84	Indoor pollution from solid biomass fuel and rural health damage: A micro-environmental study in rural area of Burdwan, West Bengal. International Journal of Sustainable Built Environment, 2014, 3, 262-271.	3.2	67
85	Insight into adsorption equilibrium, kinetics and thermodynamics of lead onto alluvial soil. International Journal of Environmental Science and Technology, 2014, 11, 1101-1114.	3.5	78
86	Characterization of fluoride-tolerant halophilic Bacillus flexus NM25 (HQ875778) isolated from fluoride-affected soil in Birbhum District, West Bengal, India. Environmental Monitoring and Assessment, 2014, 186, 699-709.	2.7	18
87	Biosorptive removal of cationic dye from aqueous system: a response surface methodological approach. Clean Technologies and Environmental Policy, 2014, 16, 1015-1025.	4.1	31
88	Green synthesis of silver nanoparticles and its application for mosquito control. Asian Pacific Journal of Tropical Disease, 2014, 4, S204-S210.	0.5	70
89	Biosorption of carbaryl from aqueous solution onto Pistia stratiotes biomass. Applied Water Science, 2014, 4, 79-88.	5.6	38
90	Modeling of the adsorptive removal of arsenic: A statistical approach. Journal of Environmental Chemical Engineering, 2014, 2, 585-597.	6.7	85

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91	Soil enzyme activities in dependence on tree litter and season of a social forest, Burdwan, India. Archives of Agronomy and Soil Science, 2014, 60, 405-422.	2.6	9
92	Evaluation of integrated nutrient management on <i>boro</i> rice in alluvial soil and its impacts upon growth, yield attributes, yield and soil nutrient status. Archives of Agronomy and Soil Science, 2014, 60, 1-14.	2.6	36
93	Correlation between arsenic intoxication and cognitive ability of primary school children of West Bengal. Asian Pacific Journal of Tropical Disease, 2014, 4, S850.	0.5	3
94	Carbaryl removal from aqueous solution by Lemna major biomass using response surface methodology and artificial neural network. Journal of Environmental Chemical Engineering, 2014, 2, 1920-1928.	6.7	26
95	Photocatalytic Degradation of Congo Red Dye on Thermally Activated Zinc Oxide. International Journal of Scientific Research in Environmental Sciences, 2014, 2, 457-469.	0.1	11
96	Removal of arsenic(III) and arsenic(V) on chemically modified low-cost adsorbent: batch and column operations. Applied Water Science, 2013, 3, 293-309.	5.6	88
97	Application of Response Surface Methodology for Optimization of Fluoride Removal Mechanism by Newly Developed Biomaterial. American Journal of Analytical Chemistry, 2013, 04, 404-419.	0.9	39
98	Investigation on fixed bed column performance of fluoride adsorption by sugarcane charcoal. Journal of Environmental Biology, 2013, 34, 1059-64.	0.5	19
99	Assessment of indoor pollutants generated from bio and synthetic fuels in selected villages of Burdwan, West Bengal. Journal of Environmental Biology, 2013, 34, 963-6.	0.5	3
100	Changes in morpho-physiological traits of mustard under the influence of different fertilizers and plant growth regulator cycocel. Journal of the Saudi Society of Agricultural Sciences, 2012, 11, 89-97.	1.9	6
101	Eggshell Powder as an Adsorbent for Removal of Fluoride from Aqueous Solution: Equilibrium, Kinetic and Thermodynamic Studies. E-Journal of Chemistry, 2012, 9, 1457-1480.	0.5	95
102	Prevalence and severity of dental fluorosis in relation to fluoride in ground water in the villages of Birbhum district, West Bengal, India. The Environmentalist, 2012, 32, 70-84.	0.7	18
103	Studies on Defluoridation of Water by Tea Ash: An Unconventional Biosorbent. Chemical Science Transactions, 2012, 1, 239-256.	0.1	46
104	Equilibrium, Kinetic and Thermodynamic Study on Chromium(VI) Removal from Aqueous Solution Using Pistia Stratiotes Biomass. Chemical Science Transactions, 2012, 2, 85-104.	0.1	30
105	Influence of Integrated Nutrient Management on Soil Properties of Old Alluvial Soil under Mustard Cropping System. Communications in Soil Science and Plant Analysis, 2011, 42, 2473-2492.	1.4	10
106	Studies on the Impact of Micronutrient (Molybdenum) on Germination, Seedling Growth and Physiology of Bengal Gram (Cicer arietinum) under Laboratory Condition. Asian Journal of Crop Science, 2011, 3, 55-67.	0.2	17
107	Impact of different combined doses of fertilizers with plant growth regulators on growth, yield attributes and yield of mustard (Brassica campestris cv. B9) under old alluvial soil of Burdwan, West Bengal, India. Frontiers of Agriculture in China, 2010, 4, 341-351.	0.2	9
108	Assessment of noise level in Burdwan town, West Bengal. Journal of Environmental Biology, 2006, 27, 609-12.	0.5	7

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109	Chicken litter: a potential source of arsenic in agricultural soil and its contamination in Cajanus cajan. International Journal of Environmental Science and Technology, 0, , 1.	3.5	1
110	ARSENIC CONTAMINATION IN GROUNDWATER: A STATISTICAL MODELING. Journal of Urban and Environmental Engineering, 0, , 24-29.	0.3	8
111	Application of Response Surface Methodology for Hexavalent Chromium Adsorption onto Alluvial Soil of Indian Origin. International Journal of Environmental Pollution and Solutions, 0, , .	1.0	5
112	Quantum Backpropagation Neural Network Approach for Modeling of Phenol Adsorption from Aqueous Solution by Orange Peel Ash. , 0, , 1254-1275.		0