

# Sc Santra

## List of Publications by Year in descending order

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46  
papers

1,664  
citations

279487

23  
h-index

288905

40  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1994  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Assessment of Heavy Metal Contamination in Vegetables Grown in Wastewater-Irrigated Areas of Titagarh, West Bengal, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 115-118.	1.3	180
2	Accumulation of arsenic and its distribution in rice plant ( <i>Oryza sativa</i> L.) in Gangetic West Bengal, India. <i>Paddy and Water Environment</i> , 2010, 8, 63-70.	1.0	132
3	Heavy metal accumulation in vegetables grown in a long-term wastewater-irrigated agricultural land of tropical India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6673-6682.	1.3	90
4	Prevalence of intestinal helminth eggs on vegetables grown in wastewater-irrigated areas of Titagarh, West Bengal, India. <i>Food Control</i> , 2009, 20, 942-945.	2.8	78
5	A Review on Air Pollution Monitoring and Management Using Plants With Special Reference to Foliar Dust Adsorption and Physiological Stress Responses. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 2489-2522.	6.6	72
6	Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study. <i>Environmental Geochemistry and Health</i> , 2012, 34, 563-574.	1.8	66
7	Distribution of actinomycetes, their antagonistic behaviour and the physico-chemical characteristics of the world's largest tidal mangrove forest. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 685-695.	1.7	60
8	Modulation of some quantitative and qualitative characteristics in rice ( <i>Oryza sativa</i> L.) and mung ( <i>Phaseolus mungo</i> L.) by ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2005, 74, 391-394.	1.4	58
9	Plant canopies: bio-monitor and trap for re-suspended dust particulates contaminated with heavy metals. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014, 19, 499-508.	1.0	58
10	Effects of gamma irradiation on edible seed protein, amino acids and genomic DNA during sterilization. <i>Food Chemistry</i> , 2009, 114, 1237-1244.	4.2	54
11	In vitro assessment on the impact of soil arsenic in the eight rice varieties of West Bengal, India. <i>Journal of Hazardous Materials</i> , 2013, 262, 1091-1097.	6.5	54
12	A study to investigate fluoride contamination and fluoride exposure dose assessment in lateritic zones of West Bengal, India. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6220-6229.	2.7	54
13	Synthesis, catalytic oxidation and antimicrobial activity of copper(II) Schiff base complex. <i>Journal of Molecular Catalysis A</i> , 2011, 336, 106-114.	4.8	53
14	Seasonal variation of methane flux from coastal saline rice field with the application of different organic manures. <i>Atmospheric Environment</i> , 2013, 66, 114-122.	1.9	52
15	Status of road traffic noise in Calcutta metropolis, India. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 943-949.	0.5	51
16	Metallic components of traffic-induced urban aerosol, their spatial variation, and source apportionment. <i>Environmental Monitoring and Assessment</i> , 2010, 168, 561-574.	1.3	45
17	Radiation-induced effects on some common storage edible seeds in India infested with surface microflora. <i>Radiation Physics and Chemistry</i> , 2004, 71, 1065-1072.	1.4	34
18	Determination of public health hazard potential of wastewater reuse in crop production. <i>World Review of Science, Technology and Sustainable Development</i> , 2010, 7, 328.	0.3	29

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19	Physico-chemical characterization of street dust and re-suspended dust on plant canopies: An approach for finger printing the urban environment. <i>Ecological Indicators</i> , 2014, 36, 334-338.	2.6	29
20	Effect of inorganic fertilizers (N, P, K) on methane emission from tropical rice field of India. <i>Atmospheric Environment</i> , 2013, 66, 123-130.	1.9	28
21	Dietary arsenic consumption and urine arsenic in an endemic population: response to improvement of drinking water quality in a 2-year consecutive study. <i>Environmental Science and Pollution Research</i> , 2014, 21, 609-619.	2.7	28
22	Effects of gamma irradiation on long-storage seeds of <i>Oryza sativa</i> (cv. 2233) and their surface infecting fungal diversity. <i>Radiation Physics and Chemistry</i> , 2009, 78, 1006-1010.	1.4	27
23	Arsenicosis and its relationship with nutritional status in two arsenic affected areas of West Bengal, India. <i>Journal of Asian Earth Sciences</i> , 2013, 77, 303-310.	1.0	26
24	Physiological and chemical response of the lichen, <i>Flavoparmelia caperata</i> (L.) Hale, to the urban environment of Kolkata, India. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3077-3085.	2.7	25
25	Arsenic in irrigated water, soil, and rice: perspective of the cropping seasons. <i>Paddy and Water Environment</i> , 2014, 12, 407-412.	1.0	24
26	Risk from Winter Vegetables and Pulses Produced in Arsenic Endemic Areas of Nadia District: Field Study Comparison With Market Basket Survey. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 909-914.	1.3	23
27	Assessment of Total Mercury Level in Fish Collected from East Calcutta Wetlands and Titagarh Sewage Fed Aquaculture in West Bengal, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 84, 618-622.	1.3	22
28	Effects of gamma radiation on fungi infected rice (<i>in vitro</i>). <i>International Journal of Radiation Biology</i> , 2011, 87, 1097-1102.	1.0	21
29	Seasonal perspective of dietary arsenic consumption and urine arsenic in an endemic population. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4543-4551.	1.3	19
30	Greenhouse gas emissions from rice based cropping systems: Economic and technologic challenges and opportunities. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 597-615.	1.0	18
31	Accumulation of minor and trace elements in lichens in and around Kolkata, India: an application of X-ray fluorescence technique to air pollution monitoring. <i>X-Ray Spectrometry</i> , 2009, 38, 469-473.	0.9	17
32	Airborne Fungal Flora in Indoor Environments of the Calcutta Metropolis, India. <i>Grana</i> , 1989, 28, 141-145.	0.4	16
33	Effect of gamma radiation on growth and survival of common seed-borne fungi in India. <i>Radiation Physics and Chemistry</i> , 2008, 77, 907-912.	1.4	16
34	Air pollutants and aeroallergens interaction. <i>Grana</i> , 1991, 30, 63-66.	0.4	15
35	SEMEDS: An important tool for air pollution bio-monitoring. <i>Micron</i> , 2012, 43, 490-493.	1.1	15
36	Species-level study on arsenic availability from dietary components. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 529-540.	0.6	14

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37	Arsenic-prone rice cultivars: a study in endemic region. <i>Paddy and Water Environment</i> , 2014, 12, 379-386.	1.0	11
38	Diversity of epiphytic lichens and their role in sequestration of atmospheric metals. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 899-908.	1.8	10
39	Catalytic activity of an iron(III) Schiff base complex bound in a polymer resin. <i>Transition Metal Chemistry</i> , 2013, 38, 675-682.	0.7	8
40	Study on trace elements (using energy dispersive X-ray fluorescence technique) of edible seeds from <i>Cicer arietinum</i> L. plants developed from gamma irradiated seeds and variation of yielding capacity. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 225-230.	0.7	7
41	Phylogeny, phenotypic and nutritional characteristics of estuarine soil actinomycetes having broad-spectrum antimicrobial activity derived from an ecologically guided bioprospecting programme. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1679-1688.	1.7	6
42	EFFECTS OF STERILIZATION BY GAMMA RADIATION OF EDIBLE STORED <i>VIGNA MUNGO</i> L. AND <i>TRITICUM AESTIVUM</i> L. SEED INFESTED WITH SURFACE MICROFLORA IN INDIA. <i>Journal of Food Safety</i> , 2009, 29, 443-459.	1.1	5
43	Relationship between CH <sub>4</sub> and N <sub>2</sub> O flux from soil and their ambient mixing ratio in a riparian rice-based agroecosystem of tropical region. <i>Journal of Environmental Monitoring</i> , 2011, 13, 3469.	2.1	4
44	Synthesis, catalytic activity and phytotoxicity of a supported nickel(II) Schiff base complex. <i>Transition Metal Chemistry</i> , 2013, 38, 855-864.	0.7	3
45	Effect of Gamma Radiation on Zinc Tolerance Efficiency of <i>Aspergillus terreus</i> Thorn. <i>Current Microbiology</i> , 2015, 72, 248-58.	1.0	3
46	Nuclear Microscopy for Air-Pollutant Characterization and Its Advantages over Traditional Techniques. <i>Journal of Applied Spectroscopy</i> , 2014, 81, 145-150.	0.3	2