

# Sneha Gautam

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

2,908  
citations

159525

30  
h-index

189801

50  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste management beyond the COVID-19 pandemic: Bibliometric and text mining analyses. Gondwana Research, 2023, 114, 124-137.	3.0	40
2	Classification of Different Sky Conditions Based on Solar Radiation Extinction and the Variability of Aerosol Optical Depth, Angstrom Exponent, Fine Particles Over Tehri Garhwal, Uttarakhand, India. Mapan - Journal of Metrology Society of India, 2023, 38, 21-36.	1.0	6
3	Is safe distance enough to prevent COVID-19? Dispersion and tracking of aerosols in various artificial ventilation conditions using OpenFOAM. Gondwana Research, 2023, 114, 40-54.	3.0	7
4	Wildfire-induced pollution and its short-term impact on COVID-19 cases and mortality in California. Gondwana Research, 2023, 114, 30-39.	3.0	15
5	Sensitivity of normalized difference vegetation index (NDVI) to land surface temperature, soil moisture and precipitation over district Gautam Buddh Nagar, UP, India. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1779-1789.	1.9	40
6	Lockdown during COVID-19 pandemic: A case study from Indian cities shows insignificant effects on persistent property of urban air quality. Geoscience Frontiers, 2022, 13, 101284.	4.3	38
7	Prediction of Various Sizes of Particles in Deep Opencast Copper Mine Using Recurrent Neural Network: A Machine Learning Approach. Journal of the Institution of Engineers (India): Series A, 2022, 103, 283-294.	0.6	10
8	Analysis of the health, economic and environmental impacts of COVID-19: The Bangladesh perspective. Geosystems and Geoenvironment, 2022, 1, 100011.	1.7	37
9	Heavy metal concentration and its distribution analysis in urban road dust: A case study from most populated city of Indian state of Uttarakhand. Spatial and Spatio-temporal Epidemiology, 2022, 40, 100470.	0.9	46
10	Drought assessment in paddy rice fields using remote sensing technology towards achieving food security and SDG2. British Food Journal, 2022, 124, 4219-4233.	1.6	6
11	The influence of meteorological variables and lockdowns on COVID-19 cases in urban agglomerations of Indian cities. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2949-2960.	1.9	20
12	Omikron: where do we go in a sustainability context?. Environment, Development and Sustainability, 2022, 24, 4491-4492.	2.7	8
13	Addressing the relevance of COVID-19 pandemic in nature and human socio-economic fate. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3239-3253.	1.9	12
14	Atmospheric Aerosols: Some Highlights and Highlighters, Past to Recent Years. Aerosol Science and Engineering, 2022, 6, 135-145.	1.1	12
15	Impact Assessment of Aerosol Optical Depth on Rainfall in Indian Rural Areas. Aerosol Science and Engineering, 2022, 6, 186-196.	1.1	22
16	Air pollution in five Indian megacities during the Christmas and New Year celebration amidst COVID-19 pandemic. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3653-3683.	1.9	16
17	Spatial distribution, pollution levels, and risk assessment of potentially toxic metals in road dust from major tourist city, Dehradun, Uttarakhand India. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3517-3533.	1.9	14
18	Understanding COVID-19 transmission through Bayesian probabilistic modeling and GIS-based Voronoi approach: a policy perspective. Environment, Development and Sustainability, 2021, 23, 5846-5864.	2.7	53

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19	Coagulation influencing parameters investigation on textile industry discharge using <i>Strychnos potatorum</i> seed powders. <i>Environment, Development and Sustainability</i> , 2021, 23, 5666-5673.	2.7	13
20	Air pollution aggravating COVID-19 lethality? Exploration in Asian cities using statistical models. <i>Environment, Development and Sustainability</i> , 2021, 23, 6408-6417.	2.7	126
21	Temporary reduction in air pollution due to anthropogenic activity switch-off during COVID-19 lockdown in northern parts of India. <i>Environment, Development and Sustainability</i> , 2021, 23, 8774-8797.	2.7	63
22	Largest democracy in the world crippled by COVID-19: current perspective and experience from India. <i>Environment, Development and Sustainability</i> , 2021, 23, 6623-6641.	2.7	19
23	A shock like no other: coronavirus rattles commodity markets. <i>Environment, Development and Sustainability</i> , 2021, 23, 6564-6575.	2.7	65
24	Qualitative and quantitative analyses of impact of COVID-19 on sustainable development goals (SDGs) in Indian subcontinent with a focus on air quality. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1019-1028.	1.8	35
25	COVID-19 lockdowns reduce the Black carbon and polycyclic aromatic hydrocarbons of the Asian atmosphere: source apportionment and health hazard evaluation. <i>Environment, Development and Sustainability</i> , 2021, 23, 12252-12271.	2.7	85
26	Pandemic induced lockdown as a boon to the Environment: trends in air pollution concentration across India. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 741-756.	1.3	25
27	Treatment and Effective Utilization of Greywater: A Preliminary Case Study. <i>Applied System Innovation</i> , 2021, 4, 16.	2.7	6
28	A systematic study of uranium retention in human organs and quantification of radiological and chemical doses from uranium ingestion. <i>Environmental Technology and Innovation</i> , 2021, 21, 101360.	3.0	15
29	Assessment and valuation of health impacts of fine particulate matter during COVID-19 lockdown: a comprehensive study of tropical and sub tropical countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 44522-44537.	2.7	23
30	Strong link between coronavirus count and bad air: a case study of India. <i>Environment, Development and Sustainability</i> , 2021, 23, 16632-16645.	2.7	33
31	Investigations on the relationship among lightning, aerosol concentration, and meteorological parameters with specific reference to the wet and hot humid tropical zone of the southern parts of India. <i>Environmental Technology and Innovation</i> , 2021, 22, 101414.	3.0	19
32	Characterization, seasonal variation, source apportionment and health risk assessment of black carbon over an urban region of East India. <i>Urban Climate</i> , 2021, 38, 100896.	2.4	43
33	Analysis of Positive and Negative Atmospheric Air Ions During New Particle Formation (NPF) Events over Urban City of India. <i>Aerosol Science and Engineering</i> , 2021, 5, 460-477.	1.1	8
34	Hydrothermal tuning of morphology of aluminophosphate (AlPO-14) framework for the adsorption of Rhodamine 6G dye. <i>Advanced Powder Technology</i> , 2021, 32, 3002-3015.	2.0	10
35	Coal bottom ash derived zeolite (SSZ-13) for the sorption of synthetic anion Alizarin Red S (ARS) dye. <i>Journal of Hazardous Materials</i> , 2021, 416, 125925.	6.5	39
36	Bioaerosols: Characterization, pathways, sampling strategies, and challenges to geo-environment and health. <i>Gondwana Research</i> , 2021, 99, 178-203.	3.0	61

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37	Vertical profiling of atmospheric air pollutants in rural India: A case study on particulate matter (PM10/PM2.5/PM1), carbon dioxide, and formaldehyde. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110061.	2.5	22
38	Personal Exposure to Air Pollutants from Winter Season Bonfires in Rural Areas of Gujarat, India. Exposure and Health, 2020, 12, 89-97.	2.8	39
39	Development of a practical evaluation approach of a typical biomass cookstove. Environmental Technology and Innovation, 2020, 17, 100613.	3.0	28
40	Spatio-temporal variation in the concentration of atmospheric particulate matter: A study in fourth largest urban agglomeration in India. Environmental Technology and Innovation, 2020, 17, 100546.	3.0	14
41	Spatio-temporal estimation of rainfall patterns in north and northwestern states of India between 1901 and 2015: change point detections and trend assessments. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	7
42	COVID-19: air pollution remains low as people stay at home. Air Quality, Atmosphere and Health, 2020, 13, 853-857.	1.5	215
43	The Influence of COVID-19 on Air Quality in India: A Boon or Inutile. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 724-726.	1.3	194
44	Valuation of air pollution externalities: comparative assessment of economic damage and emission reduction under COVID-19 lockdown. Air Quality, Atmosphere and Health, 2020, 13, 683-694.	1.5	104
45	COVID-19: impact by and on the environment, health and economy. Environment, Development and Sustainability, 2020, 22, 4953-4954.	2.7	107
46	Inconsistencies of e-waste management in developing nations – Facts and plausible solutions. Journal of Environmental Management, 2020, 261, 110234.	3.8	102
47	Spatio-temporal estimates of solid waste disposal in an urban city of India: A remote sensing and GIS approach. Environmental Technology and Innovation, 2020, 18, 100650.	3.0	15
48	Global implications of bio-aerosol in pandemic. Environment, Development and Sustainability, 2020, 22, 3861-3865.	2.7	55
49	SARS-CoV-2 pandemic in India: what might we expect?. Environment, Development and Sustainability, 2020, 22, 3867-3869.	2.7	66
50	Spatial Variation of Airborne Allergenic Fungal Spores in the Ambient PM2.5 – A Study in Rajkot City, Western Part of India. Energy, Environment, and Sustainability, 2020, , 199-209.	0.6	4
51	Photocatalytic degradation in silver doped TiO2. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	3
52	Association between changes in air quality and hospital admissions during the holi festival. SN Applied Sciences, 2019, 1, 1.	1.5	11
53	Evaluating the colonization and distribution of fungal and bacterial bio-aerosol in Rajkot, western India using multi-proxy approach. Air Quality, Atmosphere and Health, 2019, 12, 693-704.	1.5	38
54	Chemical characterization of sub-micron particles in indoor and outdoor air at two different microenvironments in the western part of India. SN Applied Sciences, 2019, 1, 1.	1.5	26

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55	Daily average exposures to carbon monoxide from combustion of biomass fuels in rural households of Haryana, India. <i>Environment, Development and Sustainability</i> , 2019, 21, 2567-2575.	2.7	22
56	Status and chemical characteristics of ambient PM <sub>2.5</sub> pollutions in China: a review. <i>Environment, Development and Sustainability</i> , 2019, 21, 1649-1674.	2.7	65
57	Effect of intermittent aeration cycles on EPS production and sludge characteristics in a field scale IFAS reactor. <i>Journal of Water Process Engineering</i> , 2018, 23, 230-238.	2.6	26
58	Particulate Matter Dispersion in Indian Non-coal Opencast Mines. <i>Energy, Environment, and Sustainability</i> , 2018, , 123-143.	0.6	1
59	Particulate matter pollution in opencast coal mining areas: a threat to human health and environment. <i>International Journal of Mining, Reclamation and Environment</i> , 2018, 32, 75-92.	1.2	48
60	Short-Term Introduction of Air Pollutants from Fireworks During Diwali in Rural Palwal, Haryana, India: A Case Study. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 120, 012009.	0.2	8
61	Spatial statistics, spatial correlation and spatial graph theory in air pollution. <i>Environmental Technology and Innovation</i> , 2018, 11, 384-389.	3.0	8
62	A review on recent progress in observations, and health effects of bioaerosols. <i>Environment International</i> , 2018, 118, 189-193.	4.8	133
63	Characterization of indoor settled dust and investigation of indoor air quality in different micro-environments. <i>International Journal of Environmental Health Research</i> , 2018, 28, 419-431.	1.3	28
64	Development of an Automated System (PPWD/PILS) for Studying PM <sub>2.5</sub> Water-Soluble Ions and Precursor Gases: Field Measurements in Two Cities, Taiwan. <i>Aerosol and Air Quality Research</i> , 2017, 17, 426-443.	0.9	6
65	Characterization of PM <sub>2.5</sub> generated from opencast coal mining operations: A case study of Sonepur Bazari Opencast Project of India. <i>Environmental Technology and Innovation</i> , 2016, 6, 1-10.	3.0	25
66	Emissions and human health impact of particulate matter from surface mining operationâ€”A review. <i>Environmental Technology and Innovation</i> , 2016, 5, 233-249.	3.0	113
67	A review on recent progress in observations, sources, classification and regulations of PM <sub>2.5</sub> in Asian environments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21165-21175.	2.7	86
68	Probe-based measurements of moisture in dung fuel for emissions measurements. <i>Energy for Sustainable Development</i> , 2016, 35, 1-6.	2.0	14
69	Occupational exposure to particulate matter in three Indian opencast mines. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 143-158.	1.5	48
70	Prediction of particulate matter concentration profile in an opencast copper mine in India using an artificial neural network model. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 697-711.	1.5	47
71	Carbonaceous species and physicochemical characteristics of PM <sub>10</sub> in coal mine fire areaâ€”a case study. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 429-437.	1.5	24
72	Dispersion of respirable particles from the workplace in opencast iron ore mines. <i>Environmental Technology and Innovation</i> , 2015, 4, 137-149.	3.0	14

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73	Dispersion of particulate matter generated at higher depths in opencast mines. Environmental Technology and Innovation, 2015, 3, 11-27.	3.0	51