

# 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	COVID-19: air pollution remains low as people stay at home. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 853-857.	1.5	215
2	The Influence of COVID-19 on Air Quality in India: A Boon or Inutile. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 724-726.	1.3	194
3	A review on recent progress in observations, and health effects of bioaerosols. <i>Environment International</i> , 2018, 118, 189-193.	4.8	133
4	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
5	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
6	COVID-19: impact by and on the environment, health and economy. <i>Environment, Development and Sustainability</i> , 2020, 22, 4953-4954.	2.7	107
7	Valuation of air pollution externalities: comparative assessment of economic damage and emission reduction under COVID-19 lockdown. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 683-694.	1.5	104
8	Inconsistencies of e-waste management in developing nations â€™ Facts and plausible solutions. <i>Journal of Environmental Management</i> , 2020, 261, 110234.	3.8	102
9	A review on recent progress in observations, sources, classification and regulations of PM2.5 in Asian environments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21165-21175.	2.7	86
10	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
11	SARS-CoV-2 pandemic in India: what might we expect?. <i>Environment, Development and Sustainability</i> , 2020, 22, 3867-3869.	2.7	66
12	Status and chemical characteristics of ambient PM2.5 pollutions in China: a review. <i>Environment, Development and Sustainability</i> , 2019, 21, 1649-1674.	2.7	65
13	A shock like no other: coronavirus rattles commodity markets. <i>Environment, Development and Sustainability</i> , 2021, 23, 6564-6575.	2.7	65
14	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
15	Bioaerosols: Characterization, pathways, sampling strategies, and challenges to geo-environment and health. <i>Gondwana Research</i> , 2021, 99, 178-203.	3.0	61
16	Global implications of bio-aerosol in pandemic. <i>Environment, Development and Sustainability</i> , 2020, 22, 3861-3865.	2.7	55
17	Understanding COVID-19 transmission through Bayesian probabilistic modeling and GIS-based Voronoi approach: a policy perspective. <i>Environment, Development and Sustainability</i> , 2021, 23, 5846-5864.	2.7	53
18	Dispersion of particulate matter generated at higher depths in opencast mines. <i>Environmental Technology and Innovation</i> , 2015, 3, 11-27.	3.0	51

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19	Occupational exposure to particulate matter in three Indian opencast mines. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 143-158.	1.5	48
20	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
21	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
22	Heavy metal concentration and its distribution analysis in urban road dust: A case study from most populated city of Indian state of Uttarakhand. <i>Spatial and Spatio-temporal Epidemiology</i> , 2022, 40, 100470.	0.9	46
23	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
24	Sensitivity of normalized difference vegetation index (NDVI) to land surface temperature, soil moisture and precipitation over district Gautam Buddh Nagar, UP, India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 1779-1789.	1.9	40
25	Waste management beyond the COVID-19 pandemic: Bibliometric and text mining analyses. <i>Gondwana Research</i> , 2023, 114, 124-137.	3.0	40
26	Personal Exposure to Air Pollutants from Winter Season Bonfires in Rural Areas of Gujarat, India. <i>Exposure and Health</i> , 2020, 12, 89-97.	2.8	39
27	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
28	Evaluating the colonization and distribution of fungal and bacterial bio-aerosol in Rajkot, western India using multi-proxy approach. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 693-704.	1.5	38
29	Lockdown during COVID-19 pandemic: A case study from Indian cities shows insignificant effects on persistent property of urban air quality. <i>Geoscience Frontiers</i> , 2022, 13, 101284.	4.3	38
30	Analysis of the health, economic and environmental impacts of COVID-19: The Bangladesh perspective. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100011.	1.7	37
31	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
32	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
33	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
34	Development of a practical evaluation approach of a typical biomass cookstove. <i>Environmental Technology and Innovation</i> , 2020, 17, 100613.	3.0	28
35	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
36	Chemical characterization of sub-micron particles in indoor and outdoor air at two different microenvironments in the western part of India. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	26

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37	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
38	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
39	Carbonaceous species and physicochemical characteristics of PM <sub>10</sub> in coal mine fire area—a case study. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 429-437.	1.5	24
40	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
41	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
42	Vertical profiling of atmospheric air pollutants in rural India: A case study on particulate matter (PM <sub>10</sub> /PM <sub>2.5</sub> /PM <sub>1</sub> ), carbon dioxide, and formaldehyde. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 185, 110061.	2.5	22
43	Impact Assessment of Aerosol Optical Depth on Rainfall in Indian Rural Areas. <i>Aerosol Science and Engineering</i> , 2022, 6, 186-196.	1.1	22
44	The influence of meteorological variables and lockdowns on COVID-19 cases in urban agglomerations of Indian cities. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 2949-2960.	1.9	20
45	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
46	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
47	Air pollution in five Indian megacities during the Christmas and New Year celebration amidst COVID-19 pandemic. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3653-3683.	1.9	16
48	Spatio-temporal estimates of solid waste disposal in an urban city of India: A remote sensing and GIS approach. <i>Environmental Technology and Innovation</i> , 2020, 18, 100650.	3.0	15
49	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
50	Wildfire-induced pollution and its short-term impact on COVID-19 cases and mortality in California. <i>Gondwana Research</i> , 2023, 114, 30-39.	3.0	15
51	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
52	Probe-based measurements of moisture in dung fuel for emissions measurements. <i>Energy for Sustainable Development</i> , 2016, 35, 1-6.	2.0	14
53	Spatio-temporal variation in the concentration of atmospheric particulate matter: A study in fourth largest urban agglomeration in India. <i>Environmental Technology and Innovation</i> , 2020, 17, 100546.	3.0	14
54	Spatial distribution, pollution levels, and risk assessment of potentially toxic metals in road dust from major tourist city, Dehradun, Uttarakhand India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3517-3533.	1.9	14

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55	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
56	Addressing the relevance of COVID-19 pandemic in nature and human socio-economic fate. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 3239-3253.	1.9	12
57	Atmospheric Aerosols: Some Highlights and Highlighters, Past to Recent Years. <i>Aerosol Science and Engineering</i> , 2022, 6, 135-145.	1.1	12
58	Association between changes in air quality and hospital admissions during the holi festival. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	11
59	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
60	Prediction of Various Sizes of Particles in Deep Opencast Copper Mine Using Recurrent Neural Network: A Machine Learning Approach. <i>Journal of the Institution of Engineers (India): Series A</i> , 2022, 103, 283-294.	0.6	10
61	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
62	Spatial statistics, spatial correlation and spatial graph theory in air pollution. <i>Environmental Technology and Innovation</i> , 2018, 11, 384-389.	3.0	8
63	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
64	Omikron: where do we go in a sustainability context?. <i>Environment, Development and Sustainability</i> , 2022, 24, 4491-4492.	2.7	8
65	Spatio-temporal estimation of rainfall patterns in north and northwestern states of India between 1901 and 2015: change point detections and trend assessments. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	7
66	Is safe distance enough to prevent COVID-19? Dispersion and tracking of aerosols in various artificial ventilation conditions using OpenFOAM. <i>Gondwana Research</i> , 2023, 114, 40-54.	3.0	7
67	Treatment and Effective Utilization of Greywater: A Preliminary Case Study. <i>Applied System Innovation</i> , 2021, 4, 16.	2.7	6
68	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
69	Drought assessment in paddy rice fields using remote sensing technology towards achieving food security and SDG2. <i>British Food Journal</i> , 2022, 124, 4219-4233.	1.6	6
70	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. <i>Mapan - Journal of Metrology Society of India</i> , 2023, 38, 21-36.	1.0	6
71	Spatial Variation of Airborne Allergenic Fungal Spores in the Ambient PM <sub>2.5</sub> —A Study in Rajkot City, Western Part of India. <i>Energy, Environment, and Sustainability</i> , 2020, , 199-209.	0.6	4
72	Photocatalytic degradation in silver doped TiO <sub>2</sub> . <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	0.8	3

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73	Particulate Matter Dispersion in Indian Non-coal Opencast Mines. Energy, Environment, and Sustainability, 2018, , 123-143.	0.6	1