

Air quality in megacity Delhi affected by countryside bi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fields on fire: Alternatives to crop residue burning in India. <i>Science</i> , 2019, 365, 536-538.	6.0	121
2	Connecting Crop Productivity, Residue Fires, and Air Quality over Northern India. <i>Scientific Reports</i> , 2019, 9, 16594.	1.6	133
3	Tradeoffs between groundwater conservation and air pollution from agricultural fires in northwest India. <i>Nature Sustainability</i> , 2019, 2, 580-583.	11.5	41
4	A Planetary Health Approach to Study Links Between Pollution and Human Health. <i>Current Pollution Reports</i> , 2019, 5, 394-406.	3.1	9
5	What caused severe air pollution episode of November 2016 in New Delhi?. <i>Atmospheric Environment</i> , 2020, 222, 117125.	1.9	96
6	Mapping spatial distribution of particulate matter using Kriging and Inverse Distance Weighting at supersites of megacity Delhi. <i>Sustainable Cities and Society</i> , 2020, 54, 101997.	5.1	118
7	How much heat can we grow in our cities? Modelling UK urban biofuel production potential. <i>GCB Bioenergy</i> , 2020, 12, 118-132.	2.5	3
8	Agricultural labor, COVID-19, and potential implications for food security and air quality in the breadbasket of India. <i>Agricultural Systems</i> , 2020, 185, 102954.	3.2	58
9	Chemical characterization of wintertime aerosols over the Arabian Sea: Impact of marine sources and long-range transport. <i>Atmospheric Environment</i> , 2020, 239, 117749.	1.9	21
10	Examining the policy-practice gap- The issue of crop burning induced Particulate Matter pollution in Northwest India. <i>Ecosystem Health and Sustainability</i> , 2020, 6, .	1.5	8
11	A Satellite-Based High-Resolution (1-km) Ambient PM <sub>2.5</sub> Database for India over Two Decades (2000–2019): Applications for Air Quality Management. <i>Remote Sensing</i> , 2020, 12, 3872.	1.8	49
12	Characterization, Source Apportionment and Carcinogenic Risk Assessment of Atmospheric Particulate Matter at Dehradun, situated in the Foothills of Himalayas. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 199, 105205.	0.6	16
13	Source Quantification of South Asian Black Carbon Aerosols with Isotopes and Modeling. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11771-11779.	4.6	34
14	On deriving influences of upwind agricultural and anthropogenic emissions on greenhouse gas concentrations and air quality over Delhi in India: A stochastic Lagrangian footprint approach. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	2
15	Crop residue burning practices across north India inferred from household survey data: Bridging gaps in satellite observations. <i>Atmospheric Environment: X</i> , 2020, 8, 100091.	0.8	14
16	Assessing the PM <sub>2.5</sub> impact of biomass combustion in megacity Dhaka, Bangladesh. <i>Environmental Pollution</i> , 2020, 264, 114798.	3.7	39
17	Long-term (2008–2018) aerosol properties and radiative effect at high-altitude sites over western trans-Himalayas. <i>Science of the Total Environment</i> , 2020, 734, 139354.	3.9	13
18	How Much Does Large-Scale Crop Residue Burning Affect the Air Quality in Delhi?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4790-4799.	4.6	70

#	ARTICLE	IF	CITATIONS
19	Numerical simulations of different sectoral contributions to post monsoon pollution over Delhi. <i>Heliyon</i> , 2020, 6, e03548.	1.4	13
20	Relative effects of open biomass burning and open crop straw burning on haze formation over central and eastern China: modeling study driven by constrained emissions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2419-2443.	1.9	19
21	A high-resolution emission inventory of air pollutants from primary crop residue burning over Northern India based on VIIRS thermal anomalies. <i>Environmental Pollution</i> , 2020, 266, 115132.	3.7	63
22	A review of aerosol chemistry in Asia: insights from aerosol mass spectrometer measurements. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1616-1653.	1.7	57
23	Indian agriculture, air pollution, and public health in the age of COVID. <i>World Development</i> , 2020, 135, 105064.	2.6	15
24	A new perspective of probing the level of pollution in the megacity Delhi affected by crop residue burning using the triple oxygen isotope technique in atmospheric CO <sub>2</sub> . <i>Environmental Pollution</i> , 2020, 263, 114542.	3.7	14
25	On the widespread enhancement in fine particulate matter across the Indo-Gangetic Plain towards winter. <i>Scientific Reports</i> , 2020, 10, 5862.	1.6	125
26	Theoretical and field evaluation of a PM <sub>2.5</sub> high-volume impactor inlet design. <i>Atmospheric Environment</i> , 2021, 244, 117811.	1.9	12
27	Strong biomass burning contribution to ambient aerosol during heating season in a megacity in Northeast China: Effectiveness of agricultural fire bans?. <i>Science of the Total Environment</i> , 2021, 754, 142144.	3.9	33
28	Appraisal of regional haze event and its relationship with PM <sub>2.5</sub> concentration, crop residue burning and meteorology in Chandigarh, India. <i>Chemosphere</i> , 2021, 273, 128562.	4.2	32
29	Carbonaceous matter in the atmosphere and glaciers of the Himalayas and the Tibetan plateau: An investigative review. <i>Environment International</i> , 2021, 146, 106281.	4.8	42
30	Impacts of black carbon on environment and health. , 2021, , 107-125.		0
31	Avoiding Fields on Fire: Information Dissemination Policies for Environmentally Safe Crop-Residue Management. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
32	How secondary inorganic aerosols from Delhi influence aerosol optical and radiative properties at a downwind sub-urban site over Indo-Gangetic Basin?. <i>Atmospheric Environment</i> , 2021, 248, 118246.	1.9	6
33	Improved air quality during COVID-19 at an urban megacity over the Indo-Gangetic Basin: From stringent to relaxed lockdown phases. <i>Urban Climate</i> , 2021, 36, 100791.	2.4	38
34	Trace gases and PM <sub>2.5</sub> -bound metal abundance over a tropical urban environment, South India. <i>Journal of Atmospheric Chemistry</i> , 2021, 78, 193-208.	1.4	0
35	Assessment of near-surface air pollutants at an urban station over the central Indo-Gangetic Basin: Role of pollution transport pathways. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 1127-1142.	0.9	4
36	Cardiovascular morbidity and mortality associations with biomass- and fossil-fuel-combustion fine-particulate-matter exposures in Dhaka, Bangladesh. <i>International Journal of Epidemiology</i> , 2021, 50, 1172-1183.	0.9	13

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37	Burden of diseases in fifty-three urban agglomerations of India due to particulate matter (PM2.5) exposure. <i>Environmental Engineering Research</i> , 2022, 27, 210042-0.	1.5	3
38	Variations in Black Carbon concentration and sources during COVID-19 lockdown in Delhi. <i>Chemosphere</i> , 2021, 270, 129435.	4.2	34
39	Sources and characteristics of light-absorbing fine particulates over Delhi through the synergy of real-time optical and chemical measurements. <i>Atmospheric Environment</i> , 2021, 252, 118338.	1.9	20
40	Severe haze events in the Indo-Gangetic Plain during post-monsoon: Synergetic effect of synoptic meteorology and crop residue burning emission. <i>Science of the Total Environment</i> , 2021, 768, 145479.	3.9	19
41	Impact of COVID-19 lockdown on aerosol optical and radiative properties over Indo-Gangetic Plain. <i>Urban Climate</i> , 2021, 37, 100839.	2.4	4
42	Transport of black carbon in the presence of perchlorate in aquatic environment: A perspective of cogenerated species in the gangetic plain of India. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100065.	2.9	2
43	Strong Impacts of Legitimate Open Burning on Brown Carbon Aerosol in Northeast China. <i>Environmental Science and Technology Letters</i> , 2021, 8, 732-738.	3.9	16
44	Crop Fires and Cardiovascular Health – A Study from North India. <i>SSM - Population Health</i> , 2021, 14, 100757.	1.3	5
45	Assessment of the relative influences of long-range transport, fossil fuel and biomass burning from aerosol pollution under restricted anthropogenic emissions: A national scenario in India. <i>Atmospheric Environment</i> , 2021, 255, 118423.	1.9	9
46	The Direct Radiative Forcing Impact of Agriculture-Emitted Black Carbon Associated With India's Green Revolution. <i>Earth's Future</i> , 2021, 9, e2021EF001975.	2.4	4
47	Entrepreneurial Talent Building for 21st Century Agricultural Innovation. <i>ACS Nano</i> , 2021, 15, 10748-10758.	7.3	17
48	Long-term change in aerosol characteristics over Indo-Gangetic Basin: How significant is the impact of emerging anthropogenic activities?. <i>Urban Climate</i> , 2021, 38, 100880.	2.4	15
49	Shifting from fossil-based economy to bio-based economy: Status quo, challenges, and prospects. <i>Energy</i> , 2021, 228, 120533.	4.5	66
50	Crop burning and forest fires: Long-term effect on adolescent height in India. <i>Resources and Energy Economics</i> , 2021, 65, 101244.	1.1	12
51	Influence of Monsoonal Driving Factors on the Secondary Inorganic Aerosol over Ambient Air in Dhaka. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2517-2533.	1.2	8
52	Source apportionment of black carbon over Delhi: A case study of extreme biomass burning events and Diwali festival. <i>Urban Climate</i> , 2021, 39, 100926.	2.4	10
53	Source apportionment of carbonaceous aerosols in diverse atmospheric environments of China by dual-carbon isotope method. <i>Science of the Total Environment</i> , 2022, 806, 150654.	3.9	4
54	Variation of carbon monoxide at a suburban site in the Indo-Gangetic Plain: Influence of long-range transport from crop residue burning region. <i>Atmospheric Pollution Research</i> , 2021, 12, 101166.	1.8	6

#	ARTICLE	IF	CITATIONS
55	A systems lens to evaluate the compound human health impacts of anthropogenic activities. One Earth, 2021, 4, 1233-1247.	3.6	0
56	Wintertime Air Quality in Megacity Dhaka, Bangladesh Strongly Affected by Influx of Black Carbon Aerosols from Regional Biomass Burning. Environmental Science & Technology, 2021, 55, 12243-12249.	4.6	15
57	Air pollution and academic performance: Evidence from India. World Development, 2021, 146, 105553.	2.6	26
58	Diurnal variability in the spectral characteristics and sources of water-soluble brown carbon aerosols over Delhi. Science of the Total Environment, 2021, 794, 148589.	3.9	20
59	Evolution of size and composition of fine particulate matter in the Delhi megacity during later winter. Atmospheric Environment, 2021, 267, 118752.	1.9	3
60	Air quality management in India using satellite data. , 2022, , 239-254.		2
61	Surface ozone in Indian urban region. , 2022, , 323-333.		1
62	Role of carbonaceous aerosols in Asian pollution. , 2022, , 111-127.		1
63	Air pollution: Facts, causes, and impacts. , 2022, , 39-54.		5
64	On-the-fly particle metrology in hollow-core photonic crystal fibre. Optics Express, 2019, 27, 34496.	1.7	18
65	Gridded distribution of total suspended particulate matter (TSP) and their chemical characterization over Delhi during winter. Environmental Science and Pollution Research, 2022, 29, 17892-17918.	2.7	8
66	Satellite evidence on the trade-offs of the food-water-air quality nexus over the breadbasket of India. Global Environmental Change, 2021, 71, 102394.	3.6	14
67	Residential heating emissions (can) exceed paddy-residue burning emissions in rural northwest India. Atmospheric Environment, 2022, 269, 118846.	1.9	5
68	High Contribution of South Asian Biomass Burning to Southeastern Tibetan Plateau Air: New Evidence from Radiocarbon Measurement. Environmental Science and Technology Letters, 2021, 8, 1026-1031.	3.9	5
69	Benzene and Toluene from Stubble Burning and Their Implications for Ozone Chemistry and Human Health in the Indo-Gangetic Plain Region. ACS Earth and Space Chemistry, 2021, 5, 3226-3233.	1.2	6
70	Dual-carbon isotope constraints on source apportionment of black carbon in the megacity Guangzhou of the Pearl River Delta region, China for 2018 autumn season. Environmental Pollution, 2022, 294, 118638.	3.7	8
71	Importance of meteorology and chemistry in determining air pollutant levels during COVID-19 lockdown in Indian cities. Environmental Sciences: Processes and Impacts, 2021, 23, 1718-1728.	1.7	4
72	Air Pollution and Greenhouse Gases Emissions: Implications in Food Production and Food Security. , 2022, , 107-133.		1

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73	Potential areas of crop residue burning contributing to hazardous air pollution in Delhi during the post-monsoon season. <i>Journal of Environmental Quality</i> , 2022, , .	1.0	2
74	Near-real-time estimation of hourly open biomass burning emissions in China using multiple satellite retrievals. <i>Science of the Total Environment</i> , 2022, 817, 152777.	3.9	10
75	Effect of Biomass Burning on PM <sub>2.5</sub> Composition and Secondary Aerosol Formation During Post-Monsoon and Winter Haze Episodes in Delhi. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	21
76	Seasonal dynamics of particulate matter pollution and its dispersion in the city of Delhi, India. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, 1.	0.9	9
77	Contributions of Open Biomass Burning and Crop Straw Burning to Air Quality: Current Research Paradigm and Future Outlooks. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	7
78	Black carbon emissions from traffic contribute substantially to air pollution in Nairobi, Kenya. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	14
79	Unlocking the unsustainable rice-wheat system of Indian Punjab: Assessing alternatives to crop-residue burning from a systems perspective. <i>Ecological Economics</i> , 2022, 195, 107364.	2.9	16
80	Valuing individuals' preferences for air quality improvement: Evidence from a discrete choice experiment in South Delhi. <i>Economic Analysis and Policy</i> , 2022, 74, 432-447.	3.2	5
81	14C characteristics of organic carbon in the atmosphere and at glacier region of the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 832, 155020.	3.9	4
82	Chemical Characteristics of Aerosols from Distinct Environments over the Indian Region: Heterogeneity in Distribution and Sources of Carbonaceous Aerosols. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 56-72.	1.2	3
83	New Insights into Unexpected Severe PM <sub>2.5</sub> Pollution during the SARS and COVID-19 Pandemic Periods in Beijing. <i>Environmental Science &amp; Technology</i> , 2022, 56, 155-164.	4.6	9
84	Identifying the key drivers in retrieving blue sky during rapid urbanization in Shenzhen, China. <i>Journal of Cleaner Production</i> , 2022, 356, 131829.	4.6	5
85	Measurement report: Interpretation of wide-range particulate matter size distributions in Delhi. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5415-5433.	1.9	7
86	Characteristics of PM <sub>2.5</sub> emitted from the combustion of vehicular fuel and solid biomass: Thermally fractionated carbon, $\delta^{13}C$ values, and filter-based light absorption. <i>Atmospheric Pollution Research</i> , 2022, 13, 101443.	1.8	4
88	Spatial distribution of fossil fuel derived CO <sub>2</sub> over India using radiocarbon measurements in crop plants. <i>Journal of Environmental Sciences</i> , 2023, 124, 19-30.	3.2	8
89	Does PM <sub>10</sub> influence the prediction of PM <sub>2.5</sub> ? , 2022, , .		0
90	Anthropogenic Land Use and Land Cover Changes—A Review on Its Environmental Consequences and Climate Change. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 1615-1640.	1.2	53
91	Radiocarbon (14C) Analysis of Carbonaceous Aerosols: Revisiting the Existing Analytical Techniques for Isolation of Black Carbon. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2

#	ARTICLE	IF	CITATIONS
92	A coupled framework for estimating pollutant emissions from open burning of specific crop residue: A case study for wheat. <i>Science of the Total Environment</i> , 2022, 844, 156731.	3.9	3
93	Mechanisms and Pathways for Coordinated Control of Fine Particulate Matter and Ozone. <i>Current Pollution Reports</i> , 2022, 8, 594-604.	3.1	4
94	Importance of local non-fossil sources to carbonaceous aerosols at the eastern fringe of the Tibetan Plateau, China: $\delta^{14}\text{C}$ and $\delta^{13}\text{C}$ evidences. <i>Environmental Pollution</i> , 2022, 311, 119858.	3.7	5
95	Tracing the predominant sources of carbon in PM <sub>2.5</sub> using $\delta^{13}\text{C}$ values together with OC/EC and select inorganic ions over two COALESCE locations. <i>Chemosphere</i> , 2022, 308, 136420.	4.2	5
96	Impact of atmospheric anthropogenic nitrogen on new production in the northern Indian Ocean: constrained based on satellite aerosol optical depth and particulate nitrogen levels. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1895-1911.	1.7	2
97	Stubborn aerosol: why particulate mass concentrations do not drop during the wet season in Metro Manila, Philippines. <i>Environmental Science Atmospheres</i> , 2022, 2, 1428-1437.	0.9	3
98	Impact of Air Pollution on Mental Health in India. <i>Journal of Development Studies</i> , 2023, 59, 133-147.	1.2	3
99	Reduction in Near-Surface Wind Speeds With Increasing CO <sub>2</sub> May Worsen Winter Air Quality in the Indo-Gangetic Plain. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	2
100	The Balance between Urban Development and Environmental Protection: Evidence from Chinese Cities. , 2022, 2, 17-23.		0
101	Health and environmental consequences of crop residue burning correlated with increasing crop yields midst India's Green Revolution. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	2.6	5
102	Source apportionment resolved by time of day for improved deconvolution of primary source contributions to air pollution. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 6051-6074.	1.2	5
103	Atmospheric Black Carbon Loadings and Sources over Eastern Sub-Saharan Africa Are Governed by the Regional Savanna Fires. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15460-15469.	4.6	4
104	Regional monitoring of biomass burning using passive air sampling technique reveals the importance of MODIS unresolved fires. <i>Environment International</i> , 2022, 170, 107582.	4.8	1
105	Temporal and Spatial Variations of Satellite-Based Aerosol Optical Depths, Angstrom Exponent, Single Scattering Albedo, and Ultraviolet-Aerosol Index over Five Polluted and Less-Polluted Cities of Northern India: Impact of Urbanization and Climate Change. <i>Aerosol Science and Engineering</i> , 2023, 7, 131-149.	1.1	10
106	Online detection and source tracing of crop straw burning. <i>Journal of Laser Applications</i> , 2022, 34, .	0.8	3
107	Air quality impacts of crop residue burning in India and mitigation alternatives. <i>Nature Communications</i> , 2022, 13, .	5.8	19
108	Spatio-temporal shift in fire activity in the Indo-Gangetic region. <i>Geocarto International</i> , 2023, 38, 1-19.	1.7	3
109	A year-round study of ambient gaseous pollutants, their atmospheric chemistry and role in secondary particle formation at an urban site in Delhi. <i>Atmospheric Environment</i> , 2023, 295, 119557.	1.9	2

#	ARTICLE	IF	CITATIONS
110	Carbonaceous aerosol transport from the Indo-Gangetic Plain to the Himalayas: Carbon isotope evidence and light absorption characteristics. <i>Geoscience Frontiers</i> , 2023, 14, 101516.	4.3	4
111	Road transport impact on PM <sub>2.5</sub> pollution over Delhi during the post-monsoon season. <i>Atmospheric Environment: X</i> , 2023, 17, 100200.	0.8	1
112	Characterization of paddy-residue burning derived carbonaceous aerosols using dual carbon isotopes. <i>Science of the Total Environment</i> , 2023, 864, 161044.	3.9	5
113	Studies on the influence of particulate load in the atmosphere in attenuating the incoming solar radiation for two Indian mega cities. <i>Arabian Journal of Geosciences</i> , 2023, 16, .	0.6	1
114	Black carbon in contrasting environments in India: Temporal variability, source apportionment and radiative forcing. <i>Atmospheric Environment</i> , 2023, 302, 119734.	1.9	2
115	Spatially resolved hourly traffic emission over megacity Delhi using advanced traffic flow data. <i>Earth System Science Data</i> , 2023, 15, 661-680.	3.7	5
116	Community kitchen tandoors (CKT)-a potential candidate for air pollution mitigation strategies?. <i>Environmental Science and Pollution Research</i> , 2023, 30, 56317-56329.	2.7	0
121	Toxicological Effects of Secondary Air Pollutants. <i>Chemical Research in Chinese Universities</i> , 2023, 39, 326-341.	1.3	3
131	Application of Industrial Ecology Principles In and Around Cement Industry in NCR of Delhi: Potentials, Problems and Possibilities. , 2023, , 259-282.		0