

# K Maharaj Kumari

## List of Publications by Year in descending order

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66  
papers

2,103  
citations

236925

25  
h-index

243625

44  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric formic and acetic acids: An overview. <i>Reviews of Geophysics</i> , 1999, 37, 227-248.	23.0	232
2	Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathways. <i>Atmospheric Environment</i> , 2017, 154, 200-224.	4.1	119
3	SEM-EDX Characterization of Individual Coarse Particles in Agra, India. <i>Aerosol and Air Quality Research</i> , 2013, 13, 523-536.	2.1	109
4	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 29, 109-118.	3.2	100
5	Organic and elemental carbon aerosols at a suburban site. <i>Atmospheric Research</i> , 2012, 113, 13-21.	4.1	94
6	Characteristics and Sources of Carbonaceous Aerosols in PM <sub>2.5</sub> during Wintertime in Agra, India. <i>Aerosol and Air Quality Research</i> , 2013, 13, 977-991.	2.1	76
7	Loss of crop yields in India due to surface ozone: an estimation based on a network of observations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 20972-20981.	5.3	72
8	HCHO, HCOOH and CH <sub>3</sub> COOH in air and rain water at a rural tropical site in North Central India. <i>Atmospheric Environment</i> , 1997, 31, 3867-3875.	4.1	71
9	Characterization, sources and health risk analysis of PM 2.5 bound metals during foggy and non-foggy days in sub-urban atmosphere of Agra. <i>Atmospheric Research</i> , 2017, 197, 121-131.	4.1	67
10	Water Soluble Ionic Species in Atmospheric Aerosols: Concentrations and Sources at Agra in the Indo-Gangetic Plain (IGP). <i>Aerosol and Air Quality Research</i> , 2013, 13, 1877-1889.	2.1	59
11	Characteristics of Aerosols over Suburban and Urban Site of Semiarid Region in India: Seasonal and Spatial Variations. <i>Aerosol and Air Quality Research</i> , 2007, 7, 531-549.	2.1	56
12	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2002, 41, 265-279.	3.2	54
13	Characterization of carbonaceous aerosols with special reference to episodic events at Agra, India. <i>Atmospheric Research</i> , 2013, 128, 98-110.	4.1	51
14	Ozone formation and destruction at a sub-urban site in North Central region of India. <i>Atmospheric Research</i> , 2011, 101, 373-385.	4.1	45
15	Seasonal and spatial variability of secondary inorganic aerosols in PM <sub>2.5</sub> at Agra: Source apportionment through receptor models. <i>Chemosphere</i> , 2020, 242, 125132.	8.2	45
16	Measurements of major ion concentration in settled coarse particles and aerosols at a semiarid rural site in India. <i>Environment International</i> , 2002, 28, 1-7.	10.0	42
17	Chemical partitioning of fine particle-bound As, Cd, Cr, Ni, Co, Pb and assessment of associated cancer risk due to inhalation, ingestion and dermal exposure. <i>Inhalation Toxicology</i> , 2017, 29, 483-493.	1.6	42
18	Characterization of major pollution events (dust, haze, and two festival events) at Agra, India. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5737-5752.	5.3	39

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19	Rainwater Composition at a Regional Representative Site of a Semi-Arid Region of India. <i>Water, Air, and Soil Pollution</i> , 2001, 127, 93-108.	2.4	34
20	Comparison of BTX Profiles and Their Mutagenicity Assessment at Two Sites of Agra, India. <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	2.1	33
21	Identification of the nature and source of atmospheric aerosols near the Taj Mahal (India). <i>Environmental Monitoring and Assessment</i> , 1995, 34, 1-11.	2.7	31
22	Multiphase measurement of atmospheric ammonia. <i>Chemosphere</i> , 2001, 3, 107-116.	1.2	31
23	Chemical characteristics and mutagenic activity of PM <sub>2.5</sub> at a site in the Indo-Gangetic plain, India. <i>Ecotoxicology and Environmental Safety</i> , 2015, 114, 75-83.	6.0	31
24	COVID-19 and Air Pollution in Indian Cities: World's Most Polluted Cities. <i>Aerosol and Air Quality Research</i> , 2020, 20, 2592-2603.	2.1	31
25	Chemical characterization of dew at a regional representative site of North-Central India. <i>Atmospheric Research</i> , 2006, 80, 239-249.	4.1	30
26	Atmospheric concentrations and gas-particle partitioning of polycyclic aromatic hydrocarbons (PAHs) and nitro-PAHs at Indo-Gangetic sites. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1051-1060.	3.5	29
27	Chemical characterization, source apportionment and transport pathways of PM <sub>2.5</sub> and PM <sub>10</sub> over Indo Gangetic Plain of India. <i>Urban Climate</i> , 2021, 36, 100805.	5.7	29
28	High ozone episodes at a semi-urban site in India: Photochemical generation and transport. <i>Atmospheric Research</i> , 2017, 197, 232-243.	4.1	24
29	Chemical fractionation of heavy metals in fine particulate matter and their health risk assessment through inhalation exposure pathway. <i>Environmental Geochemistry and Health</i> , 2019, 41, 1445-1458.	3.4	24
30	Atmospheric dry deposition to leaf surfaces at a rural site of India. <i>Chemosphere</i> , 2004, 55, 1097-1107.	8.2	23
31	Low Molecular Weight Monocarboxylic Acids in PM <sub>2.5</sub> and PM <sub>10</sub> : Quantification, Seasonal Variation and Source Apportionment. <i>Aerosol and Air Quality Research</i> , 2017, 17, 485-498.	2.1	23
32	Direct measurement of atmospheric dry deposition to natural surfaces in a semiarid region of north central India. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	21
33	First observation-based study on surface O <sub>3</sub> trend in Indo-Gangetic Plain: Assessment of its impact on crop yield. <i>Chemosphere</i> , 2020, 255, 126972.	8.2	20
34	Characterization and Mutagenicity Assessment of PM <sub>2.5</sub> and PM <sub>10</sub> PAH at Agra, India. <i>Polycyclic Aromatic Compounds</i> , 2012, 32, 199-220.	2.6	19
35	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.	8.0	19
36	Formate and acetate levels compared in monsoon and winter rainwater at Dayalbagh, Agra (India). <i>Journal of Atmospheric Chemistry</i> , 1996, 23, 81-87.	3.2	18

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37	Dry deposition of nitrate and sulphate on surrogate surfaces. <i>Environment International</i> , 1992, 18, 509-513.	10.0	17
38	Atmospheric Fine and Coarse Mode Aerosols at Different Environments of India and the Bay of Bengal During Winter-2014: Implications of a Coordinated Campaign. <i>Mapan - Journal of Metrology Society of India</i> , 2014, 29, 273-284.	1.5	17
39	Characterization of Polycyclic Aromatic Hydrocarbons in Emissions of Different Mosquito Coils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 650-654.	2.7	17
40	Transport of aerosols and trace gases during dust and crop-residue burning events in Indo-Gangetic Plain: Influence on surface ozone levels over downwind region. <i>Atmospheric Environment</i> , 2020, 241, 117829.	4.1	16
41	Effective method for extraction of larvicidal component from leaves of <i>Azadirachta indica</i> and <i>Artemisia annua</i> Linn. <i>Journal of Environmental Biology</i> , 2006, 27, 103-5.	0.5	16
42	Atmospheric Dry Deposition to Marble and Red Stone. <i>Journal of Atmospheric Chemistry</i> , 2005, 50, 243-261.	3.2	13
43	Surface ozone concentrations in Agra: links with the prevailing meteorological parameters. <i>Theoretical and Applied Climatology</i> , 2012, 110, 409-421.	2.8	13
44	Mutagenic and Cancer Risk Estimation of Particulate Bound Polycyclic Aromatic Hydrocarbons from the Emission of Different Biomass Fuels. <i>Chemical Research in Toxicology</i> , 2021, 34, 743-753.	3.3	13
45	Atmospheric chemistry and cancer risk assessment of Polycyclic Aromatic Hydrocarbons (PAHs) and Nitro-PAHs over a semi-arid site in the Indo-Gangetic plain. <i>Journal of Environmental Management</i> , 2022, 317, 115456.	7.8	13
46	Effect of anthropogenic activity on formate and acetate levels in precipitation at four sites in Agra, India. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1993, 27, 87-91.	0.5	12
47	Field Measurements of Aerosol Particle Dry Deposition on Tropical Foliage at an Urban Site. <i>Environmental Science &amp; Technology</i> , 2006, 40, 135-141.	10.0	12
48	Aerosols and trace gases characterization over Indo-Gangetic plain in semiarid region. <i>Urban Climate</i> , 2015, 12, 11-20.	5.7	12
49	Variation in Ionic Composition of Precipitation Collected by Sequential Sampling. <i>Environmental Technology (United Kingdom)</i> , 1996, 17, 637-642.	2.2	11
50	Characterization of Organic Acids in Dew Collected on Surrogate Surfaces. <i>Journal of Atmospheric Chemistry</i> , 2000, 37, 231-244.	3.2	11
51	Characteristics of surface ozone in Agra, a sub-urban site in Indo-Gangetic Plain. <i>Journal of Earth System Science</i> , 2018, 127, 1.	1.3	11
52	Larvicidal activity of an indigenous plant, <i>Centratherum anthelminticum</i> . <i>Journal of Environmental Biology</i> , 2008, 29, 669-72.	0.5	8
53	BTEX and formaldehyde levels at a suburban site of Agra: Temporal variation, ozone formation potential and health risk assessment. <i>Urban Climate</i> , 2021, 40, 100997.	5.7	7
54	Distribution of air-borne fluoride: Vapour phase, particulate, precipitation and dry deposition. <i>Environmental Technology (United Kingdom)</i> , 1994, 15, 51-59.	2.2	6

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55	Deriving critical loads for the Agra region in India. <i>Science of the Total Environment</i> , 1998, 222, 119-122.	8.0	6
56	PAHs in Gas and Particulate Phases: Measurement and Control. <i>Energy, Environment, and Sustainability</i> , 2018, , 43-75.	1.0	6
57	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.	3.8	6
58	Polycyclic Aromatic Hydrocarbon Emissions and Mutagenicity Assessment of Exhaust from a Diesel Generator. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 18-25.	2.0	5
59	Variation of carbonaceous aerosols and water soluble inorganic ions during winter haze in two consecutive years. <i>Atmospheric Pollution Research</i> , 2021, 12, 242-251.	3.8	5
60	Characterization of ambient PM1 at a suburban site of Agra: chemical composition, sources, health risk and potential cytotoxicity. <i>Environmental Geochemistry and Health</i> , 2021, 43, 621-642.	3.4	4
61	14.P.38 Characteristics and distribution of major ions of atmospheric aerosols in a semi-arid region of India. <i>Journal of Aerosol Science</i> , 1994, 25, 183-184.	3.8	2
62	Evaluation of dry deposition of acidifying N compounds to vegetation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18437-18445.	5.3	1
63	Measurement of Near Ultrafine S Aerosol at a Semiarid Region in India. <i>The National Academy of Sciences, India</i> , 2012, 35, 177-180.	1.3	0
64	Synergistic relationship between surface ozone and meteorological parameters: A case study. , 2016, , .		0
65	Chemical speciation and environmental health risk of heavy metals in fine particulate matter. , 2016, , .		0
66	Comparative Study of Gas and Particulate Phase Concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) at Two Sites in Agra. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 343-354.	0.4	0