

# Mukesh Khare

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72  
papers

3,539  
citations

25  
h-index

59  
g-index

77  
ext. papers

4,475  
ext. citations

5.1  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
72	The Lancet Commission on pollution and health. <i>Lancet, The</i> , <b>2018</b> , 391, 462-512	4.0	1639
71	Urban air quality management-A review. <i>Atmospheric Pollution Research</i> , <b>2015</b> , 6, 286-304	4.5	181
70	Wind tunnel simulation studies on dispersion at urban street canyons and intersections—review. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2005</b> , 93, 697-717	3.7	162
69	New directions: Air pollution challenges for developing megacities like Delhi. <i>Atmospheric Environment</i> , <b>2015</b> , 122, 657-661	5.3	90
68	Indoor–Outdoor concentrations of RSPM in classroom of a naturally ventilated school building near an urban traffic roadway. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 6026-6038	5.3	84
67	Artificial neural network approach for modelling nitrogen dioxide dispersion from vehicular exhaust emissions. <i>Ecological Modelling</i> , <b>2006</b> , 190, 99-115	3	84
66	New Directions: Can a Blue sky—return to Indian megacities?. <i>Atmospheric Environment</i> , <b>2013</b> , 71, 198-2015.3	5.3	74
65	Modelling of vehicular exhausts —a review. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2001</b> , 6, 179-198	6.4	63
64	The influence of odd-even car trial on fine and coarse particles in Delhi. <i>Environmental Pollution</i> , <b>2017</b> , 225, 20-30	9.3	62
63	Sick building syndrome—A case study in a multistory centrally air-conditioned building in the Delhi City. <i>Building and Environment</i> , <b>2007</b> , 42, 2797-2809	6.5	59
62	Mapping spatial distribution of particulate matter using Kriging and Inverse Distance Weighting at supersites of megacity Delhi. <i>Sustainable Cities and Society</i> , <b>2020</b> , 54, 101997	10.1	59
61	Four-year assessment of ambient particulate matter and trace gases in the Delhi-NCR region of India. <i>Sustainable Cities and Society</i> , <b>2020</b> , 54, 102003	10.1	59
60	Line source emission modelling. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 2083-2098	5.3	55
59	Indoor air quality modeling for PM 10, PM 2.5, and PM 1.0 in naturally ventilated classrooms of an urban Indian school building. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 176, 501-16	3.1	53
58	Photo-chemical transport modelling of tropospheric ozone: A review. <i>Atmospheric Environment</i> , <b>2017</b> , 159, 34-54	5.3	42
57	Indoor air quality assessment in and around urban slums of Delhi city, India. <i>Indoor Air</i> , <b>2008</b> , 18, 488-98	5.4	40
56	A review of deterministic, stochastic and hybrid vehicular exhaust emission models. <i>International Journal of Transport Management</i> , <b>2004</b> , 2, 59-74		37

55	Statistical behavior of carbon monoxide from vehicular exhausts in urban environments. <i>Environmental Modelling and Software</i> , <b>2007</b> , 22, 526-535	5.2	36
54	Principal component analysis of urban traffic characteristics and meteorological data. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2003</b> , 8, 285-297	6.4	31
53	Artificial neural network based line source models for vehicular exhaust emission predictions of an urban roadway. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2004</b> , 9, 199-208	6.4	30
52	A hybrid model for predicting carbon monoxide from vehicular exhausts in urban environments. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 4025-4040	5.3	30
51	Urban air quality in mega cities: a case study of Delhi City using vulnerability analysis. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 136, 257-65	3.1	29
50	Indoor exploratory analysis of gaseous pollutants and respirable particulate matter at residential homes of Delhi, India. <i>Atmospheric Pollution Research</i> , <b>2011</b> , 2, 337-350	4.5	28
49	Modelling urban air quality using artificial neural network. <i>Clean Technologies and Environmental Policy</i> , <b>2005</b> , 7, 116-126	4.3	25
48	Health Risks Associated with Heavy Metals in Fine Particulate Matter: A Case Study in Delhi City, India. <i>Journal of Geoscience and Environment Protection</i> , <b>2015</b> , 03, 72-77	0.3	25
47	Suspended particulate matter distribution in rural-industrial Satna and in urban-industrial South Delhi. <i>Environmental Monitoring and Assessment</i> , <b>2007</b> , 128, 431-45	3.1	24
46	Adaptive neuro-fuzzy modeling for prediction of ambient CO concentration at urban intersections and roadways. <i>Air Quality, Atmosphere and Health</i> , <b>2010</b> , 3, 203-212	5.6	23
45	Statistical behavior of ozone in urban environment. <i>Sustainable Environment Research</i> , <b>2016</b> , 26, 142-148	3.8	22
44	Model vehicle movement system in wind tunnels for exhaust dispersion studies under various urban street configurations. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , <b>2002</b> , 90, 1051-1064	3.7	22
43	Application of extreme value theory for predicting violations of air quality standards for an urban road intersection. <i>Transportation Research, Part D: Transport and Environment</i> , <b>1999</b> , 4, 201-216	6.4	22
42	In-car particulate matter exposure across ten global cities. <i>Science of the Total Environment</i> , <b>2021</b> , 750, 141395	10.2	22
41	Simulating ozone concentrations using precursor emission inventories in Delhi [National Capital Region of India. <i>Atmospheric Environment</i> , <b>2017</b> , 151, 117-132	5.3	20
40	Urban local air quality management framework for non-attainment areas in Indian cities. <i>Science of the Total Environment</i> , <b>2018</b> , 619-620, 1308-1318	10.2	18
39	Effect of PM chemical constituents on atmospheric visibility impairment. <i>Journal of the Air and Waste Management Association</i> , <b>2018</b> , 68, 430-437	2.4	18
38	A theoretical framework for the episodic-urban air quality management plan (e-UAQMP). <i>Atmospheric Environment</i> , <b>2007</b> , 41, 7887-7894	5.3	17

37	Quantitative evaluation of source interventions for urban air quality improvement - A case study of Delhi city. <i>Atmospheric Pollution Research</i> , <b>2018</b> , 9, 577-583	4.5	16
36	Assessment of Urban Air Quality around a Heritage Site Using AERMOD: A Case Study of Amritsar City, India. <i>Environmental Modeling and Assessment</i> , <b>2015</b> , 20, 599-608	2	16
35	General plume dispersion model (GPDM) for point source emission. <i>Environmental Modeling and Assessment</i> , <b>2006</b> , 11, 267-276	2	16
34	Extreme Events of Reactive Ambient Air Pollutants and their Distribution Pattern at Urban Hotspots. <i>Aerosol and Air Quality Research</i> , <b>2017</b> , 17, 394-405	4.6	16
33	Air quality modelling study to analyse the impact of the World Bank emission guidelines for thermal power plants in Delhi. <i>Atmospheric Pollution Research</i> , <b>2011</b> , 2, 99-105	4.5	15
32	Application of intervention analysis for assessing the effectiveness of CO pollution control legislation in India. <i>Transportation Research, Part D: Transport and Environment</i> , <b>1999</b> , 4, 427-432	6.4	14
31	A system based approach to develop hybrid model predicting extreme urban NO <sub>x</sub> and PM 2.5 concentrations. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2017</b> , 56, 141-154	6.4	13
30	Hybrid modelling approach for effective simulation of reactive pollutants like Ozone. <i>Atmospheric Environment</i> , <b>2013</b> , 80, 408-414	5.3	12
29	Ambient air pollutant monitoring and analysis protocol for low and middle income countries: An element of comprehensive urban air quality management framework. <i>Atmospheric Environment</i> , <b>2020</b> , 222, 117120	5.3	12
28	Chemical source profiles of fine particles for five different sources in Delhi. <i>Chemosphere</i> , <b>2021</b> , 274, 129913	8.4	12
27	Artificial Neural Networks in Vehicular Pollution Modelling. <i>Studies in Computational Intelligence</i> , <b>2007</b> ,	0.8	10
26	Indoor Air Quality: Current Status, Missing Links and Future Road Map for India. <i>Journal of Civil &amp; Environmental Engineering</i> , <b>2012</b> , 02,		9
25	Potential health risks due to in-car aerosol exposure across ten global cities. <i>Environment International</i> , <b>2021</b> , 155, 106688	12.9	8
24	Diurnal and seasonal variations of carbon monoxide and nitrogen dioxide in Delhi city. <i>International Journal of Environment and Pollution</i> , <b>2003</b> , 19, 75	0.7	7
23	Heterogeneous Traffic Induced Effects on Vertical Dispersion Parameter in the Near Field of Roadways - a Wind Tunnel Study. <i>Environmental Modeling and Assessment</i> , <b>2002</b> , 7, 9-15	2	7
22	Construction of fuzzy membership functions for urban vehicular exhaust emissions modeling. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 167, 691-9	3.1	6
21	Vehicle wake factor for heterogeneous traffic in urban environments. <i>International Journal of Environment and Pollution</i> , <b>2007</b> , 30, 97	0.7	6
20	Real-time prediction of extreme ambient carbon monoxide concentrations due to vehicular exhaust emissions using univariate linear stochastic models. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2000</b> , 5, 59-69	6.4	6

19	Computer-aided simulation of efficiency of an electrostatic precipitator. <i>Environment International</i> , <b>1996</b> , 22, 451-462	12.9	6
18	Comparative Evaluation of Air Quality Dispersion Models for PM2.5 at Air Quality Control Regions in Indian and UK Cities. <i>Mapan - Journal of Metrology Society of India</i> , <b>2015</b> , 30, 249-260	1	5
17	Artificial neural network based carbon monoxide persistence models for episodic urban air quality management. <i>Environmental Monitoring and Assessment</i> , <b>2008</b> , 139, 247-55	3.1	5
16	Short-term, real-time prediction of the extreme ambient carbon monoxide concentrations due to vehicular exhaust emissions using transfer function-noise model. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2001</b> , 6, 141-146	6.4	5
15	Regression-based flexible models for photochemical air pollutants in the national capital territory of megacity Delhi. <i>Chemosphere</i> , <b>2021</b> , 272, 129611	8.4	5
14	"Numerical modelling of PM10 dispersion in open-pit mines". <i>Chemosphere</i> , <b>2020</b> , 259, 127454	8.4	4
13	Organic matter determination for street dust in Delhi. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 5251-64	3.1	3
12	Experimental Study on Color Removal from Textile Industry Wastewater Using the Rotating Biological Contactor. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , <b>2010</b> , 14, 240-245		3
11	Health benefits valuation of regulatory intervention for air pollution control in thermal power plants in Delhi, India. <i>Journal of Environmental Planning and Management</i> , <b>2009</b> , 52, 881-899	2.8	3
10	Performance evaluation of ISCST3, adms-urban and aermod for urban air quality management in a mega city of India. <i>International Journal of Sustainable Development and Planning</i> , <b>2014</b> , 9, 778-793	2	3
9	Formation of atmospheric nitrate under high Particulate Matter concentration. <i>World Review of Science, Technology and Sustainable Development</i> , <b>2011</b> , 8, 148	1	2
8	Effects of the homogeneous traffic on vertical dispersion parameter in the near field of roadways □ A wind tunnel study. <i>Environmental Modeling and Assessment</i> , <b>2005</b> , 10, 55-62	2	2
7	Indoor Air Quality: Monitoring and Modeling Protocol for Urban School Buildings <b>2011</b> , 179-192		2
6	Case Studies of Source Apportionment from the Indian Sub-continent. <i>Issues in Environmental Science and Technology</i> , <b>2016</b> , 315-343	0.7	2
5	In-kitchen aerosol exposure in twelve cities across the globe.. <i>Environment International</i> , <b>2022</b> , 162, 107155	15.9	1
4	Composition, sources, and health risk assessment of particulate matter at two different elevations in Delhi city. <i>Atmospheric Pollution Research</i> , <b>2022</b> , 13, 101295	4.5	0
3	Air Quality Management and Control. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2021</b> , 59-68	0.4	
2	Air Quality Modelling. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2021</b> , 35-57	0.4	

- 1 Vertical distribution of PM10 and PM2.5 emission sources and chemical composition during winter period in Delhi city. *Air Quality, Atmosphere and Health*,1 5.6