

List of Papers Published by CPCB Officials in the period of 2020-2023

S.No.	Year	Title of the paper	Name of Official & Designation	Name of the Journal	Volume & Issue
1	2023	E-Mobility: Hindrances and motivators for policies implementation in India.	Sameer Arora and Prashant Gargava	Case Studies on Transport Policy	11, 100955
2	2022	High-Resolution Mapping of Air Pollution in Delhi Using Detrended Kriging Model	Md H. Rahman, Shivang Agarwal, Sumit Sharma, R. Suresh, Seema Kundu, Stijn Vranckx, Bino Maiheu, Lisa Blyth, Stijn Janssen, Sousa Jorge, Prashant Gargava, V. K. Shukla & Sakshi Batra	Environmental Modeling & Assessment	
3	2022	Comprehensive analysis of ambient air quality during second lockdown in national capital territory of Delhi	Gautam Kumar Sharma, Ankush Tewani, Prashant Gargava	Journal of Hazardous Materials Advances	6, 100078
4	2022	Performance evaluation of air pollution control device at traffic intersections in Delhi	S. Gulia, S. Kaur, S. Mendiratta, R. Tiwari, S. K. Goyal, P. Gargava & R. Kumar	International Journal of Environmental Science and Technology	19 (2), 785-796
5	2022	Effect of Biomass Burning on PM2.5 Composition and Secondary Aerosol Formation During Post-Monsoon and Winter Haze Episodes in Delhi	V. Lalchandani, D. Srivastava, J. Dave, S. Mishra, N. Tripathi, A. K. Shukla, R. Sahu, N. M. Thamban, S. Gaddamidi, K. Dixit, D. Ganguly, S. Tiwari, A. K. Srivastava, L. Sahu, N. Rastogi, P. Gargava, S. N. Tripathi	Journal of Geophysical Research: Atmospheres	127 (1), e2021JD035232
6	2022	SmartAirQ: A Big Data Governance Framework for Urban Air Quality Management in Smart Cities	Akshara Kaginalkar, Sharmita Kumar, Prashant Gargava , Neelesh Kharkar and Dev Niyogi	Frontiers in Environmental Science	228

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7	2022	Integrated Urban Environmental System of Systems for Weather Ready Cities in India	Akshara Kaginalkar, Sachin D. Ghude, U. C. Mohanty, Pradeep Mujumdar, Sudheer Bhakare, Hemant Darbari, Arun K. Dwivedi, Pallavi Gavali, Srujan Gavhale, Sahidul Islam, Gouri Kadam, Sumita Kedia, Manoj Khare, Neelesh Kharkar, Santosh H. Kulkarni, Sri Sai Meher, A. K. Nath, Mohamed Niyaz, Sagar Pokale, Vineeth Krishnan Valappil, Sreyashi Debnath, Chinmay Jena, Raghu Nadimpalli, Madhusmita Swain, Saimy Davis, Shubha Avinash, C. Kishtawal, Pra shant Gargava , S. D. Attari, and Dev Niyogi	Bulletin of the American Meteorological Society	103 (1), E54-E76
8	2022	Carbon Disulphide and hydrogen sulphide emissions from Viscose fiber manufacturing Industry-A case study in India	Deepanjan Majumdar, Anil Bhanarkar, Chalapati Rao, Dinabandhu Gouda	Atmospheric Environment X (ELSEVIER)	13(100157)
9	2022	Abundance & distribution of aquatic benthic macro-invertebrate families of river Ganga and correlation with environmental parameters	Jaya Sharma & Pradyumn K. Behera	Environment Monitoring and Assessment	194(8):546
10	2022	Biological Health Assessment of river Ganga in Uttar Pradesh stretch (Bijnore to Badaun): A comparative perspective	V. Hima Jwala, Annu Goyal and P.K. Behera	International Journal of Research and Analytical Reviews	9(2)
11	2022	Influences of extractives and thermal modification on the UV resistance of Albizia lebeck wood	M. C. Anish, B. N. Giridhar, Sreeja Nair, N. S. Anantha & Krishna K. Pandey	Material Science and Engineering	4
12	2022	Modelling re-aeration of rivers using predictive models and developed ANN models under varying hydrodynamic conditions	Sameer Arora and A. K. Keshari	Hydrological Sciences Journal	67(15), 2294-2309

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13	2022	Nitrate Contamination in Gurugram District, Haryana	Vijay Laxmi , Jakir Hussain, Supriya Singh, Iqbal Husain, Sudesh Kumar and V.K. Vadiya	Ecology, Environment and Conservation	28, S226-S232
14	2021	Review of urban computing in air quality management as smart city service: An integrated IoT, AI, and cloud technology perspective	Akshara Kaginalkar, Shamita Kumar, Prashant Gargava , Neelesh Kharkar and Dev Niyogi	Urban Climate	39, 100972
15	2021	Assessment of persistent organic pollutants in soil and sediments from an urbanized flood plain area	Bhupander Kumar, Virendra Kumar Verma, Meenu Mishra, Piyush, Vatsala Kakkar, Amrapali Tiwari, Sanjay Kumar, Vijay Prakash Yadav & Prashant Gargava	Environmental Geochemistry and Health	43 (9), 3375-3392
16	2021	Multi-pollutant air quality analyses and apportionment of sources in three particle size categories at Taj Mahal, Agra	Pavan K. Nagar, Prashant Gargava , Vijay K. Shukla , Mukesh Sharma, Ashutosh K. Pathak, Dharendra Singh	Atmospheric Pollution Research	12 (1), 210-218
17	2021	Microstructure observations of Lemna aequinoctialis ecotype	Sunita Gupta, Parul Kulshreshtha, Deuvshree Sharma , Divya Aggarwal, Gitanjali Jiwani and Gaurav Sharma	Journal of Scientific Research	65(5)
18	2021	Potential of macroinvertebrates in Bioaccumulation of Heavy metals – A Review.	Jaya Sharma & Pradyumn K. Behera	Asian Jr. of Microbial.Biotech.Env.Sc.	23(3)
19	2021	Assessment of biological water quality of River Ganga in Patna (India) using Benthic Macro-Invertebrates	Annu Goel, Jaya Sharma and N. C. Durgapal	Applied Biological Research.	23(2)
20	2021	A Study on Polythiophene Modified Carbon Cloth as Anode in Microbial Fuel Cell for Lead Removal	Rajkumar Rajendran , Gnanapriya Prakash Dhakshina Moorthy, Haribabu Krishnan & Sumisha Anappara	Arabian Journal for Science and Engineering	46

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21	2021	Validation of a Modified Procedure for the determination of Chemical Oxygen Demand using standard dichromate method in industrial wastewater samples with high calcium chloride content.	A Gnanavelu, T S Shanmuganathan, V Deepesh , S Suresh	Indian Journal of Science and Technology (IJST)	14 (29)
22	2021	A Study on Pollution Level in Yamuna River Across the Delhi Stretch	B. Sasi Devi , AVVS. Swamy, V. Subhashini, Anoop Chaturvedi and P.K. Bheera	International Journal of Research and Analytical Reviews (IJRAR)	
23	2021	ANFIS-ARIMA modelling for scheming re-aeration of hydrologically altered rivers.	Sameer Arora and A. K. Keshari	Journal of Hydrology	601, 1266-35
24	2021	Pattern recognition of water quality variance in Yamuna River (India) using hierarchical agglomerative cluster and principal component analyses.	Sameer Arora and A. K. Keshari	Environmental Monitoring and Assessment	193 (8), 4-94
25	2021	Dissolved oxygen modelling of Yamuna River using different ANFIS models.	Sameer Arora and A. K. Keshari	Water Science and Technology	84(10-11), 3359-3371
26	2020	Polycyclic aromatic hydrocarbons in urban and rural residential soils, levels, composition profiles, source identification and health risk & hazard	Bhupander Kumar, Virendra Kumar Verma, Disha Joshi, Sanjay Kumar & Prashant Gargava	SN Applied Sciences	2 (12), 1-12
27	2020	Impact of shutdown due to COVID-19 pandemic on aerosol characteristics in Kanpur, India	Nidhi Shukla, Gautam Kumar Sharma, Parinita Baruah, V. K. Shukla, Prashant Gargava	Journal of Health and Pollution	10 (28)
28	2020	Air quality forecasting using artificial neural networks with real time dynamic error correction in highly polluted regions	Shivang Agarwal, Sumit Sharma, Suresh R., Md H. Rahman, Stijn Vranckx, Bruno Maiheu, Lisa Blyth, Stijn Janssen, Prashant Gargava, V.K. Shukla, Sakshi Batra	Science of The Total Environment	735, 1394-54

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29	2020	Objective evaluation of stubble emission of North India and quantifying its impact on air quality of Delhi	Gufran Beig, Saroj K. Sahu, Vikas Singh, Suvarna Tikile, Sandeepan B. Sobhana, Prashant Gargeva , K. Ramakrishna, Aditi Rathod, B.S. Murthy	Science of The Total Environment	709
30	2020	A satellite-based high-resolution (1-km) ambient PM _{2.5} database for India over two decades (2000-2019): Applications for air quality management	Sagnik Dey, Bhavesh Purshit, Palak Balyan, Kuldeep Dixit, Kunal Bali, Alok Kumar, Fahad Imam, Sourangsu Chowdhury, Dilip Ganguly, Prashant Gargava and V. K. Shukla	Remote Sensing	12 (23)
31	2020	Use of Natural coagulants for industrial wastewater treatment	Swati Gautam and Gaurav Saini	Global Journal of Environment Science and Management	6(4)
32	2020	A Study on Chemical Disintegration of POP Ganesh Idols in Bhopal, Madhya Pradesh, India	Y. K. Saxen, R.C. Verma and P. Jagan	Nature Environment and Pollution Technology An International Quarterly Scientific Journal	19(5)
33	2020	Performance Evaluation Study of Liquid Waste Treatment Plant, Hamidia Hospital, Bhopal, Madhya Pradesh, India	Yogendra Kumar Saxena, Ranu C. Verma, P. Jagan, N. Verma and T. Aslam	International Journal of Advanced Biotechnology and Research (IJABR)	11(2)
34	2020	Photostability of acetylated wood coated with nano zinc oxide	Giridhar B Nagarajappa, Sreeja Nair, Kavyashree Srinivas, Anantha N Subbarao , Krishna K. Pandey	Maderas. Ciencia y tecnología	22(3)
35	2020	Development of a re-aeration equation for the simulation of dissolved oxygen in degraded streams.	Sameer Arora and A. K. Keshari	Water and Environment Journal	35(1), 97-106