

### 1. Publications (List of papers published in SCI Journals, for the period 2019-2024).

| S. N. | Name of authors                                    | Title of paper   | Name of International Journal                         | Volume/Issue | Page Nos    | Year | IF   | 'Q' ranking |
|-------|--|--|---|--------------|-------------|------|------|-------------|
| 1.    | Singh, S., Elumalai, S.P., Chand, S., & Rout, P.R  | Assessment of dew harvesting as a sustainable water source and air quality indicator: a case study of Dhanbad, Jharkhand, India. DOI: 10.1080/09593330.2024.2422552  | Environmental Technology                              |              |             |      |      | Q3          |
| 2.    | Kumar, A., Kumar, A., Singh, P. & Elumalai, S. P.  | Trace element profile of TSPM with depth within opencast coal mines for risk assessment and their source apportionment. <a href="https://doi.org/10.1007/s11869-024-01613-3">https://doi.org/10.1007/s11869-024-01613-3</a>          | Air Quality, Atmosphere & Health                      |              |             |      |      | Q2          |
| 3.    | Malik, N., Singh, V., Kumar, K., & Elumalai, S. P. | VOC source apportionment, reactivity, secondary transformations, and their prioritization using fuzzy-AHP method in a coal-mining city in India.   | Environmental Science and Pollution Research          | 31(17)       | 2540-25423  | 2024 |      | Q2          |
| 4.    | Kumari, S., Elumalai, S. P., & Jain, M. K.         | A comparison of soot emitted from school buses and shared auto-rickshaws in Indian tier-II city.   | Environmental Forensics,                              | 25(1-2)      | 13-20.      | 2024 |      | Q4          |
| 5.    | Chaudhry, S. K., & Elumalai, S. P.                 | Assessment of sustainable school transport policies on vehicular emissions using the IVE model.  | Journal of Cleaner Production                         | 434          |             | 2024 |      | Q1          |
| 6.    | Kumar, A., Elumalai, S.P.                          | Application of artificial neural network to screen out the dominant meteorological parameters for prediction of air temperature. <a href="https://doi.org/10.1007/s12145-023-01107-3">https://doi.org/10.1007/s12145-023-01107-3</a> | Earth Science Informatics                             | 16           | 3697 – 3716 | 2023 |      | Q2          |
| 7.    | Malik, N., Elumalai, S. P., & Kumar, K.            | Health risk assessment from exposure to ambient VOCs and particulate matter in different functional zones in Dhanbad, India.   | Science of The Total Environment                      | 891          |             | 2023 |      | Q1          |
| 8.    | S Kumari, SP Elumalai, MK Jain                     | Study on effect of tire burning on particulate matter concentration and respiratory deposition doses to the workers and inhabitants during road pavement activity  | Air Quality, Atmosphere & Health                      | 15 (8)       | 1413 - 1426 | 2022 | 5.80 | Q2          |
| 9.    | A Srivastava, A Kumar, K Vaibhav, SP Elumalai      | Inhalable particulate (PM10) emission externalities from overburden dumps and associated health risk assessment in densely populated coalfield   | Stochastic Environmental Research and Risk Assessment |              | 1-19        | 2022 | 3.82 | Q1          |
| 10.   | SK Chaudhry, SP Elumalai                           | Exploring the influence of ventilation settings and fan strength on passenger car in-cabin particle number concentration   | Air Quality, Atmosphere & Health                      | 15 (4)       | 679-690     | 2022 | 5.80 | Q2          |
| 11.   | S Kumari, SP Elumalai, MK                          | A comparison of soot emitted from school buses and shared auto-rickshaws in Indian   | Environmental Forensics                               |              | 1-8         | 2022 | 1.76 | Q4          |

|     |  |   |   |         |             |      |      |    |
|-----|--|---|---|---------|-------------|------|------|----|
|     | Jain   | tier-II city  |   |         |             |      |      |    |
| 12. | M Hariram, R Sahu, A Kumar, SP Elumalai            | Impact of emissions from coal-based thermal power plants on surrounding vegetation and air quality over Bokaro Thermal Power Plant                  | Asian Atmospheric Pollution (eBook ISBN: 9780128166949) |         | 255-274     | 2022 |      |    |
| 13. | Srivastava, A., Elumalai, S. P.,                   | Assessment of emission-source contribution to spatial dispersion for coal crusher agglomeration using prognostic model                              | Cleaner Engineering and Technology                      | 3       | 100-113     | 2021 |      |    |
| 14. | Kumari, S., Jain, M.K., Elumalai, S.P.,            | Assessment of pollution and health risks of heavy metals in particulate matter and road dust along the road network of Dhanbad, India               | Journal of Health and Pollution                         | 11 (29) |             |      |      |    |
| 15. | Adak, P., Elumalai, S.P.,                          | Estimation of Onsite Factors on Polycyclic Aromatic Hydrocarbon Particulate Buildup in Urban Road Networks  | Frontiers in Environmental Science                      | 9       | 489         | 2021 | 5.41 | Q1 |
| 16. | Kumar, A., Elumalai, S.P.,                         | Study on respiratory deposition doses of typical Indian opencast coal mineworkers using occupational particulate matter levels                      | Air Quality, Atmosphere & Health                        | 14      | 1247 - 1265 | 2021 | 5.80 | Q2 |
| 17. | Srivastava, A., Kumar, A., Elumalai, S.P.,         | Evaluating Dispersion Modeling of Inhalable Particulates (PM10) Emissions in Complex Terrain of Coal Mines  | Environmental Modeling and Assessment                   | 26      | 385-403     | 2021 | 2.21 | Q3 |
| 18. | Chaudhry, S.K., Elumalai, S.P.,                    | Students exposure assessment towards PM number concentration while commuting from different transport modes during school timings                   | Stochastic Environmental Research and Risk Assessment   | 35 (2)  | 371-388     | 2021 | 3.82 | Q1 |
| 19. | Chaudhry, S.K., Elumalai, S.P.,                    | The influence of school bus ventilation scenarios over in-cabin PM number concentration and air exchange rates                                      | Atmospheric Pollution Research                          | 11(8)   | 1396 - 1407 | 2020 | 2.92 | Q2 |
| 20. | HH Yang, SK Gupta, NB Dhital, LC Wang, SP Elumalai | Comparative investigation of coal-and oil-fired boilers based on emission factors, ozone and secondary organic aerosol formation potentials of VOCs | Journal of Environmental Sciences                       | 92      | 245-255     | 2020 | 6.79 | Q1 |
| 21. | A Kumar, SP Elumalai, HH Yang                      | On-site and off-site material preparation pavement approaches on particle emission and associated health impacts on workers                         | Stochastic Environmental Research and Risk Assessment   | 34 (1)  | 183-199     | 2020 | 3.82 | Q1 |
| 22. | Gupta, S. K., Elumalai, S.P.,                      | Exposure to traffic-related particulate matter and deposition dose to auto rickshaw driver in Dhanbad, India  | Atmospheric pollution research                          | 10 (4)  | 1128 - 1139 | 2019 | 4.83 | Q2 |
| 23. | Gupta, S. K., Elumalai, S.P.,                      | Dependence of urban air pollutants on morning/evening peak hours and seasons  | Archives of environmental contamination and toxicology  | 76 (4)  | 572-590     | 2019 | 3.69 | Q3 |

*Suresh Pandian*

**(Suresh Pandian Elumalai)**