

1. Publications (List of papers published in SCI Journals, in year wise descending order).

| S No | Name of authors  | Title of paper  | Name of International Journal                          | Volume/Issue | Page Nos  | Year |
|------|--|---|--|--------------|-----------|------|
| 1    | Gupta, S. K.,<br><b>Elumalai, S.P.,</b>                | Adverse impacts of fog events during winter on fine particulate matter, CO and VOCs: a case study of a highway near Dhanbad, India<br><br>(DOI: 10.1002/wea.3000) | Weather  |              |           |      |
| 2    | Srivastava, A.,<br>Elumalai, S. P., Raju,<br>E. V. R., | Relationship in metastasis of coal fire and land use/cover using thermal imagery and support vector machine classifier<br><br>(DOI: 10.1007/s12517-018-3459-9)    | Arabian Journal of Geosciences                         |              |           |      |
| 3    | Manisha, Sahu, R.,<br><b>Elumalai, S.P.,</b>           | Impact Assessment of Atmospheric Dust on Foliage Pigments and Pollution Resistances of Plants Grown Nearby Coal Based Thermal Power Plants                        | Archives of Environmental Contamination and Toxicology | 74 (1)       | 56-70     | 2018 |
| 4    | Sahu, R., <b>Elumalai, S.P.,</b>                       | Identifying Speed Hump, a Traffic Calming Device, as a Hotspot for Environmental Contamination in Traffic-Affected Urban Roads                                    | ACS Omega  | 2 (9)        | 5434-5444 | 2017 |
| 5    | Gupta, S. K.,<br><b>Elumalai, S.P.,</b>                | Size-segregated particulate matter and its association with respiratory deposition doses among outdoor exercisers in Dhanbad city, India                          | Journal of the Air & Waste Management Association      | 67 (10)      | 1137-1145 | 2017 |
| 6    | Manisha, <b>Elumalai, S.P.,</b> Pal., A.K.,            | Determining the Contribution of Nearby Power Plants to Deposited Foliar Dust: A Case Study of BTPS, Bokaro  | Archives of Environmental Contamination and Toxicology | 71 (4)       | 485-499   | 2016 |
| 7    | Sahu, R., Adak, P.,<br>and<br><b>Elumalai, S.P.,</b>   | Characterization of hazardous solid waste (soot) accumulated in tailpipe of typical Indian share autos  | Current Science  | 111 (3)      | 560-564   | 2016 |
| 8    | Kumar, A., Samadder, S.R., and <b>Elumalai,</b>        | Recovery of Trace and Heavy Metals from Coal Combustion Residues for  | JOM (The   | 68 (9)       | 2413-2417 | 2016 |

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|----|---|---|---|---------|-----------|------|
|    | <b>S.P.,</b>                                    | Reuse and Safe Disposal: A Review   | Journal of The Minerals, Metals & Materials Society)      |         |           |      |
| 9  | Singh, S., <b>Elumalai, S.P.,</b> Pal., A.K.,   | Rain pH estimation based on the particulate matter pollutants and wet deposition study  | Science of the Total Environment                          | 563-564 | 293-301   | 2016 |
| 10 | Adak, P., Sahu, R. and <b>Elumalai, S.P.,</b>   | Development of emission factor for motorcycles and shared auto rickshaws using real world driving cycle for a typical Indian City | Science of the Total Environment                          | 544     | 299-308   | 2016 |
| 11 | <b>Pandian, S.,</b> Gokhale, S., Ghoshal, A.K., | An open-terrain line source model coupled with street-canyon effects to forecast carbon monoxide at traffic roundabout            | Science of the Total Environment                          | 409 (6) | 1145-1153 | 2011 |
| 12 | <b>Pandian, S.,</b> Gokhale, S., Ghoshal, A.K., | Evaluating effects of traffic and vehicle characteristics on vehicular emissions near traffic intersections                       | Transportation Research Part D: Transport and Environment | 14 (3)  | 180-196   | 2009 |
| 13 | Gokhale, S., <b>Pandian, S.,</b>                | A semi-empirical box model approach for predicting the carbon monoxide concentrations at an urban traffic intersection            | Atmospheric Environment                                   | 41 (36) | 7940-7950 | 2007 |