



J.Karthick

Assistant professor (SG),
Department of Civil Engineering
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Technology and Science
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Teaching & Industrial Experience: 12 Years

Specialization: Environmental Engineering

Research area:

Air quality monitoring, Environmental software, Environmental Quality Monitoring, Environmental Impact assessment.

Teaching Expertise: EIA for Engineering projects, Air and noise pollution control, geotechnical Engineering, Environmental Engineering, Water and waste water treatment., Solid waste management, Environmental policies and Legislation, Indoor air quality.

RESEARCH AND STUDENT PROJECTS

- Air and noise impact at padur kelambakkam area.
- Meteorological modelling at Manali Industrial area
- Water quality assessment at Hits campus.
- Sanitary landfill design for padur- Kelambakkam area.
- Dispersion modelling at Manali Industrial area.

PUBLICATION

Journal Publication:

- ❖ J. Karthick, R. Samuel Devadoss (2018). Behaviour and the influence of meteorological parameters towards air pollutant dispersion modelling studies, Manali Industrial area, Chennai, India, *Ecology, Environment and Conservation*. 24(4): 1822-1828.
- ❖ J. Karthick, R. Samuel Devadoss (2019). Comparative study on air contaminants discharged from several industrial stacks operated from various forms of fuels. *Disaster Advances*. 2 (11): 7-14.
- ❖ J. Karthick, R. Samuel Devadoss, S. Sharmila and R. Natesan. (2020). Investigational assessment on gaseous stack emissions from liquid form of fuels under various loading

conditions, *Pollution Research*. 39(2): S106 – S112.

- ❖ J. Karthick, R. Samuel Devadoss, S. Sharmila, and S. Karthikeyan, (2020) Assessment Of Meteorological Parameters For Flat Terrain Condition By Using AERMET a Pre-Processor Dispersion Model, *Research Journal of Chemistry and Environment*. 24(8): 96-107.
- ❖ Karthick J, Natesan R. Samuel Devadoss R. and Shanaz Fathima A.(2018). Limited environmental impact (Air Pollution) evaluation for a Tamilnadu Port, India. , *Ecology, Environment and Conservation*. 25(1): 347-351.

Conference Publication:

- ❖ J. Karthick, R. Samuel Devadoss, (2017). Development of Wind Rose Diagrams for Manali Industrial Area, Chennai. International Conference on Sustainable Environment and Energy (ICSEE'17), April 2017. Hindustan Institute of technology and science, Padur.
- ❖ J. Karthick, R. Samuel Devadoss. (2020). Investigational Assessment on gaseous emissions under various Industrial process, National Conference on Recent Trends in Chemical and Environmental Biotechnology (RTCEB -2020), February 2020. Annamalai University, India.