

## Curriculum Vitae

1. Name : P.V.Pradeep Kumar



2. Designation: Sr Principal Scientist, Environmental Science Division,  
CRRI, N.Delhi-110025,  
pvpradeep1964@rediffmail.com
3. Areas of Interest: Vehicular fuel consumption and emissions
4. Educational Qualification: ME(Mechanical),MBA,BE(Mechanical)
5. Professional Experience:
- Fuel consumption measurements for Petrol and Diesel Vehicles
  - Videography data acquisition of traffic flow at unsignalised intersection using Pneumatic mast
  - Ambient Air Quality Monitoring
  - Fabrication and Maintenance of Mechanical Nature
6. Membership to Professional Bodies:
- Institute of Engineers(India)
  - Indian Road Congress
  - Institute of Urban Transport
7. Achievements
- a. Research Projects:
    - Estimation of fuel loss due to idling at signalised Intersection and mitigation measures
    - Development of Indo- Highway Capacity Manual
    - Development of management system for maintenance planning and budgeting of high speed road corridors
    - Evaluating BRT Corridor from AmbedkarNagar to Moolchand
    - Estimation of fuel loss during Idling of vehicles at signalised Intersection of Delhi.
    - Pilot Study on effect of overloading on Road Infrastructure.
    - Riding quality assessment of Golden Quadrilateral Stretch Road Network.
    - Measurement of vehicular pollution at selected Intersections of Delhi

## b. Research Publications

### **Papers in Journals:**

Abhishek Cheeti sai, Mukti Advani, P.V.Pradeep Kumar, S.Velmurugan, G.J.Joshi (2014). "An assessment of the Gap measurement phenomenon at typical three armed intersections on Indian Inter-urban roads."International Research Journal of sustainable science & Engineering. Vol 2, Issue 2, Feb.

P.V.Pradeep Kumar, Anil Singh, Niraj Sharma, Ch. Ravi sekhar (2013). " Evaluation of variability in on-road vehicle fuel consumption under controlled conditions." International Journal of emerging technology and advanced engineering. Vol. No. 3, Special issue 3, 84-88. ICERTSD.

P.V.Pradeep Kumar, U.K.Guruvittal, J.B.Sengupta, Naresh Kumar, Sudhir Mathur (2009). " Influence of Crushing process on Aggregate shape. Civil Engineering & Construction Review. Vol 22, No. 03, 88-92, March.

### **Papers in Conferences:**

Sharma, N., P.V.Pradeep Kumar, Singh, A., Dhyani, R.,(2016). "Fuel loss and related emission due to idling of motorized vehicles at a major intersection in Delhi." International Conference on Water, Environment,Energy & Society (ICWEES), 15-18 March, Bhopal.

P.V.Pradeep Kumar, Anil Singh, Niraj Sharma, Ch. Ravisekhar(2015). "Evaluation of idling fuel consumption of vehicles across different cities." Recent Advances in Traffic Engineering, 3rd and 4th July, SVNIT, Surat.

Mukti Advani, S.Velmurugan, P.V.Pradeep Kumar, E.Madhu (2015). "Defining and analysing forceful behaviour at unsignalised Intersections." Recent Advances in Traffic Engineering, 3rd and 4th July, SVNIT, Surat.

P.V.Pradeep Kumar, N.K.Sharma, J.B.Sengupta (2008). " Mechanical Impact on shape and size of Aggregate." National Conference on Trends in Mechanical Engineering, Feb 08-09, Chandigarh.

P.V.Pradeep Kumar, Anil Singh, Niraj Sharma, Chander Bhan (2007). "I & M Practices for Vehicular Pollution Control". National Conference on sustainable Urban Transportation: Issues and Management Strategies, Dec 28-29, Surat.

N.K.Sharma, P.V.Pradeep Kumar, N.V.R.Mohan (2007). "Fabrication work for Research programme in an R&D organisation- A case study." National conference on trends in Mechanical Engineering, Jan 19, Patiala.