


Faculty Profile

General					
Name	Dr. R M MAHALINGEGOWDA				
Designation, Department & Affiliated Institution	Professor Department of Civil Engineering, P.E.S College of Engineering, Mandya - 571 401				
Research Area	Civil Engineering-Environmental Engineering				
Contact Number	+91 9844248272				
Email ID	mahalgpes@gmail.com				
Academic Profile					
Educational Qualification					
Course	College	University	Year	% ge	Class
Ph. D	IIT Delhi	IIT Delhi	1999	Awarded	
M.E	University of Roorkee	IIT Roorkee	1991	84	FCD
B.E.	PESCE, Mandya	University of Mysuru	1986	83	FCD
Professional Experience					
Organization & dept.	Designation	Period	Total of Experience		
PESCE, Mandya	Lecturer	1986-1996	10 Years		
PESCE, Mandya	Assistant Professor	1996-2003	7 Years		
	Professor	2003-2018	15 Years		
	Professor & Head	Feb 2018-July 2020	2.5 Years		
	Professor	Aug 2020-Till date	2 Months		
Report of Work					
Teaching (details of courses taught)	Engineering Mechanics, Strength of Materials, Water Supply Engineering, Waste water Engineering, Applied Surveying, Air Pollution and control, Construction Engineering Management and Entrepreneurship				
Research Guidance (Ph.D /M.Sc Engg Student awarded & pursuing)	Awarded		Pursuing		
	Ph.D	M.Sc Engg	Ph.D	M.Sc Engg	
	3	2	3	-	
Sponsored Research (List of Projects taken up/completed and funds receiver & funding sources)	<ol style="list-style-type: none"> 1. Physical Modelling for air Pollution Dispersion Studies and wind disaster mitigation (Completed) Rs 12.00 Lakhs, AICTE. 2. Rural ground water quality analysis of Mandya District (Completed) Rs 35.00 Lakhs, Govt. of Karnataka. 3. Wind tunnel simulation study of vehicular emission dispersion in the near field of roadways Rs 19.75 Lakhs. 				
Publications					
Papers in Refereed Journals(No.)	National		International		
	3		31		
Papers at Conference(No.)	National		International		
	15		6		

LIST OF PUBLICATIONS

1. International Journals:

1. MukeshKhare., K.K. Chaudhry., R.M. MahalingeGowda, and K. Ahamed. “Heterogeneous Traffic Induced effects on vertical dispersion parameter in the near-field of roadway s- A Wind Tunnel Study”. Environmental Modeling and Assessment, (7), pp.9-15,2002
2. MukeshKhare., K.K. Chaudhry., R.M. MahalingeGowda, and K. Ahamed. “Effects of the homogeneous traffic on vertical dispersion parameter in the near field of roadways – A Wind Tunnel Study”. Environmental Modeling and Assessment, (10), pp.55-62,2005
3. Rajakumara, H.N. and MahalingeGowda, R.M. “Development of Road Traffic Noise Prediction model under Uninterrupted Traffic Flow Conditions”. International journal of Sustainable Development and Planning, vol. 3, No. 1, pp. 45-56, 2008.
4. Rajakumara, H.N. and MahalingeGowda, R.M. “Road Traffic Noise Prediction Models: A Review”. International journal of Sustainable Development and Planning, vol. 3, No. 3, pp. 257-271, 2008.
5. Rajakumara, H.N. and MahalingeGowda, R.M. “Road Traffic Noise Prediction Model under Interrupted Traffic Flow Condition”. International journal of Environmental Modeling and Assessment, Vol.14, No.2, PP. 251-257, 2009.
6. Rajakumara, H.N. and MahalingeGowda, R.M. “Correction model for Gradient of Highway on Outdoor Propagation of Traffic Noise”. International Journal of Pollution Research, India, Vol. 25 (3), pp. 503-506, 2006.
7. Rajakumara, H.N. and MahalingeGowda, R.M. “Effect of Vehicle Speed on Outdoor Propagation of Road Traffic noise”. International Journal of Pollution Research, India, 2006(Accepted)
8. Krishna M.K. and Mahalingegowda R.M, “Wind Tunnel Simulation Study of Vehicular Exhaust Dispersion” International Journal of Environmental Research & Development’02 (2), 226-234,(2007).
9. Krishna M.K. and Mahalingegowda R.M, A comparison of results from field and wind tunnel modelling of dispersion in arrays of obstacles” International Journal of Environmental Research & Development ’03 (4), 222- 231 (2009).
10. Vinod A.R. and Mahalingegowda R.M, “Treatment of waste water using different fixed beds reactors- A pilot plant study” Nature Environment and Pollution Technology, An International quarterly scientific Journal, pp. 163-166, Vol. 11 No.

1(2012).

11. Vinod A.R. and Mahalingegowda R.M, “Applicability studies of reactor filled with Coffee husk blended with wooden chips” Nature Environment and pollution Technology. (Vol.11, No.3, pp.415-418, September-2012).
12. A.R.Vinod and R.M.Mahalingegowda, “Studies on natural fibrous materials as submerged aerated beds for wastewater treatment”. Elixir online International Journal Elixir Pollution51 (2012), 1079-10762).
13. A.R.Vinod and R.M.Mahalingegowda. “Performance Evaluation Studies of Two Continuous flow Fixed Bed Filters for Wastewater Treatment”. International Journal of Chem Tech Research (online). Vol.5.NO.3. pp 1113- 1118, April-June 2013.
14. G.R. Shivakumaraswamy, R.M.Mahalingegowda&A.R.Vinod. “Domestic wastewater treatment in reactors filled with areca husk fiber and pebble bed”. Elixir online International Journal (Elixir pollution 57 (2013)14064-14066).
15. A.R.Vinod and R.M.Mahalingegowda. “A Study on suitability of selected fibrous packing media for sewage treatment. Journal of International Academic Research forMultidisciplinary. Volume 2 Issue 2|| March 2014 || PP.487-496.
16. A.R.Vinod and R.M.Mahalingegowda. “Treatability studies of selective fibrous packing media for sewage treatment”. International Journal of Civil Engineering and Technology (IJCIET) Volume 5 Issue 9|| September 2014 || PP.65-71.
17. Krishna M.K. and Mahalingegowda R.M. “An Experimental Study on Vehicular Emission Dispersion Through double Storied Building Model Configurations”. International Journal of Advanced Research in Civil, Structural, Environmental and Infrastructure Engineering and Developing Volume: 2 Issue: 3, 01-Mar-2015, ISSN_NO: 2320-723X.PP.120-129.
18. Krishna M.K. and Mahalingegowda R.M. “An Experimental Study on Vehicular Emission Dispersion through Single Storied Building Model Configurations”. International Journal of Engineering Science Invention ISSN(Online):2319–6734,ISSN(Print):2319–6726www.ijesi.org Volume 4 Issue 10 October 2015 || PP.19-25.
19. Krishna M.K. and Mahalingegowda R.M. “Effect of Wind Direction through Double Storied Building Model Configurations in Wind Tunnel”. International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org ||Volume 5 Issue 3|| March 2016 ||PP.01-09.

20. Krishna M.K. and Mahalingegowda R.M. “A Wind Tunnel Study on Concentration Variation for Single Storied Staggered Array Configuration with Downwind Distance”. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319- 2402,p- ISSN: 2319-2399.Volume 10, Issue 7 Ver. III (July 2016), PP 10-16.
21. A.R.Vinod and R.M.Mahalingegowda. “Batch Experimental Studies on Fibrous Material as Fixed Bed for Biological Wastewater Treatment”. Pollution Research, vol. 35 (2), PP. 309-312 (2016); Copyright © EM International, ISSN 0257–8050.
22. Krishna M.K., Mohan kumar T.M., Mahalingegowda R.M., and Kumar guru “Decolourisation of Synthetic and Textile Wastewater by Fenton Process”. International Organization of Scientific Research, Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e- ISSN: 2319 – 2402,p-ISSN2319-2399, Volume 11, Issue 3 Ver.II,(March 2017), PP.16-24.
23. ChowdeGowda H C, Mahalingegowda R. M, Harsha D N (2018) “Study of performance analysis of wind tunnel simulation of pollutant dispersion relating street canyon”. International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 02 | Feb-2018, e-ISSN: 2395-0056, p- ISSN: 2395-0072.
24. H.C Chowdegowda, Dr. R.M Mahalingegowda (2019) “Performance Study of Modelling Urban Traffic Air Pollution Dispersion” International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 03/ March-2019, e- ISSN: 2395-0056, p- ISSN: 2395-0072.
25. Mithun k, Dr. R.M Mahalingegowda and Dr H S Suresh Chandra “ A Study on Structural Characteristics of Sisal Fibre Reinforced Concrete” International Journal of Engineering research and Technology(IJERT) , Vol.08, Issue 06, June 2019.
26. Abhishek G B and R.M.Mahalingegowda(2019) “Scheduling and labour Management for residential building project using primavera” International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 07/ July-2019, e-ISSN: 2395-0056, p- ISSN: 2395-0072.
27. A R Vinod and R.M.Mahalingegowda (2020) “An Initiative Batch Experimental Studies on Fibrous Materials as fixed beds for wastewater treatment” Indian Journal of Environmental Protection (IJEP), Vol.40, No 5,May 2020, ISSN: 533-535.
28. H.C Chowdegowda, Dr. R.M Mahalingegowda, Rajeshwari M.S “Indoor Air

Quality Monitoring at Rural Areas of Mandya District” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, (2020), pp. 1949-1956, ISSN:2005-4238.

29. H.C Chowdegowda, Dr. R.M Mahalingegowda, Rajeshwari M.S “Household Cooking Emissions Monitoring At Mikkere Village In Mandya District” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, (2020), pp. 1989- 1993, ISSN:2005-4238.
30. Shambhavi S, Dr. R.M Mahalingegowda, Dr. K C Manjunath “An Experimental Study on the Reduction of Temperature of Cool Pavement Specimens” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, (2020), pp. 2007- 2019, ISSN:2005-4238.
31. Abhishek G B and Dr. R.M Mahalingegowda “Experimental Study On Ferrocement With Coir Fibers” International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 08, (2020), pp. 2020- 2032, ISSN:2005-4238.

2. National Journal:

1. MahalingeGowda, R.M., MukeshKhare and K.K. Chaudhry. Experimental Simulation of Atmospheric Dispersion conditions in Environmental Wind Tunnel and Similarity considerations. Indian Journal of Environmental Protection, (5):321-327, 1997.
2. MahalingeGowda, R.M., K.K. Chaudhry and MukeshKhare. “Application of Artificial Neural Network Technique to Air Pollution Dispersion Modelling”. Journal of Indian Association for Environmental Management, (25):74- 81, 1997.
3. Rajakumara, H.N., MahalingeGowda, R.M., and Madhusudhan, R. “Modeling of Urban Area Road Traffic Noise using Neural Network Approach”. Indian Journal of Environmental Protection, Vol.26, No 8, IJEP(8): 728-736 (2006)

3. International Conference:

Papers Presented at International Conferences / Seminars / Workshops

1. MahalingeGowda, R.M., Rajakumara, H.N. and L. UdayaSimha. “Traffic Noise Prediction Model at Gradients of Highway”. Tenth International Conference on Urban Transport and the Environment in the 21st Century held on May 19-21, 2004 at Dresden City, Germany organised by Wessex Institute of Technology (U.K.).
2. MahalingeGowda, R.M., K.K. Chaudhry and MukeshKhare. A model vehicular traffic system to study dispersion characteristics in the near- field of roadways in an Environmental Wind Tunnel. 2nd International Conference on Fluid Mechanics and Fluid Power Dec., 12-14, 2002, Indian Institute of Technology, Roorkee,

Uttaranchal, India, pp 737-746.

3. Mahalinge Gowda, R.M., Pradeep Kumar and R.P. Mathur. Ambient Air Quality Monitoring in Proposed Taj National Park. The 2nd International conference on Environmental Planning and Management, April 26-28, 1992, TorbiatModarres University, Tehran, I.R.IRAN.
4. Rajakumara, H.N. and R.M. Mahaling Gowda. "Environmental Modeling of Urban Area Road Traffic Noise under Interrupted Traffic Flow Conditions". International Conference on "Sustainable Technology for Environmental Protection", organized by Coimbatore Institute of Technology, Coimbatore, 7-9, Jan.2006.
5. Rajakumara, H.N. and R.M. Mahaling Gowda. "Prediction of Road Traffic Noise Attenuation Due To Distance, Ground Absorption and Gradient". International Conference on The Ravage of The Planet 2006, held on 12- 14th Dec., 2006, Bariloche, Argentina.
6. Vinod A.R and Mahalinge Gowda R.M. 'Comparative studies on Treatment of Wastewater using two different continuous Flow Fixed bed Reactors'. International Conference on Current trends in Engineering and Management, held at Mysore, from July-12th -14th 2012.

4. National Conference/Workshop/Seminar:

1. Mahalinge Gowda, R.M., Mukesh Khare and K.K. Chaudhry. "Physical Simulation of Stack Dispersion Phenomenon in the Neutrally Stabilized Boundary Layers". Proceedings of the 2nd National Seminar on Wind Engineering held on April 3-4, 1997, pp. 74-88, edited by S.K. Agarwal and Lakshmy P., Allied Publishers Limited., New Delhi.
2. Mahalinge Gowda, R.M. and B.G. Mahendra, "A case study of Environmental Audit- A management tool for Industrial pollution control". Proceedings of ENVIRO 2001, National Conference on Control of Industrial Pollution and Environmental degradation. PSG college of Technology, Coimbatore, India, pp.195-201.
3. Mahalinge Gowda, R.M., B.G. Mahendra., A.R. Vinod and A.T. Prasanna. "Recovery of Metals from waste sludge of printed circuit board manufacturing industry". Proceedings of ENVIRO 2001, National Conference on Control of Industrial Pollution and Environmental degradation. PSG college of Technology, Coimbatore, India, pp. 335-339.
4. Mahalinge Gowda, R.M. and B.G. Mahendra, "Anaerobic digestion of sugar cane trash". Proceedings of ENVIRO 2001, National Conference on Control of Industrial

Pollution and Environmental Degradation. PSG college of Technology, Coimbatore, India, pp.403-410.

5. Mahalinge Gowda, R.M. and B.G. Mahendra. "Leachate generation and characteristics from the municipal sanitary landfills of Mandya city". Proceedings of NSSWM-2002, National Seminar on Solid Management, Dec., 12-14, 2002. Dept. of Env. Sciences, Jnanabharati Campus, Bangalore university, Bangalore, India.
6. Rajakumara, H.N., Mahalinge Gowda, R.M. "A study on Influence of Highway Gradient on Traffic Noise". Proceedings of National workshop on Environment and Pollution Management for sustainable development, April 24, 2004 held at Lakshmi Narain College of Technology, Bhopal, India, pp.81-85.
7. Rajakumara, H.N., Mahalinge Gowda, R.M. "A study of Influence of horizontal curve on Road Traffic Noise". Proceedings of the workshop on Need of Environment and Pollution Awareness Program for Bangalore City, MSRIT, Bangalore, 30th June, 2004, pp.58-65.
8. Rajakumara, H.N., Mahalinge Gowda, R.M., K. Thasilu "Environmental Impact of Traffic Noise". Proceedings of the National Conference on Environmental Impact Assessment, 29-30, Sept., 2004, Organized by Adhiyamaan College of Engineering, Hosur, TamilNadu.
9. Rajakumara, H.N. and Dr. R.M. Mahaling Gowda. "Modeling of Urban Area Road Traffic Noise under Interrupted Traffic Flow Conditions using Neural Network Approach". Presented in STTP on Applications of ANN and FUZZY logic in Civil Engineering, 27th Feb. to 3rd March 2006, organized by Civil Engineering Department, Adhiyamaan College of Engineering, Hosur, TamilNadu.
10. Krishna M.K. and Mahalinge Gowda R.M, "Vehicular Exhaust Dispersion through Different Urban Category Atmospheric Boundary Layers". Proceeding of the National Conference ENVIRO on Wind Engineering, NCWE-2007, 30th Oct to Nov 1st SERC, Chennai India Pp 105-112.
11. Krishna M.K. and Mahalinge Gowda R.M, "Wind tunnel simulation study of vehicular exhaust dispersion". Proceeding of the International Congress of Environmental Research Icer-07 28th -30th December Govt Geetanjali Girls PG College, Bhopal India Pp 26.
12. Krishna M.K. and Mahalinge Gowda R.M, "Atmospheric boundary layer wind tunnel design". Proceeding of the International Congress of Environmental Research Icer-08 18th -20th December, Birla Institute of Technology and Science – Pilani, Goa, India.
13. Krishna M.K. and Mahalinge Gowda R.M, "A comparison of results from field and

wind tunnel modelling of dispersion in arrays of obstacles”, Proceeding of the International Congress of Environmental Research Icer-08 18th -20th December, Birla Institute of Technology and Science – Pilani, Goa, India.

14. Vinod A.R. and Mahalingegowda R.M, “Pilot plant study on performance evaluation of fixed film process over activated sludge process” Proceedings of National conference on Green Technologies, 4-5th April, 2012, PP. 48, Acharya Institute of Technology, Bangalore.
15. Vinod A.R., Mahalingegowda R.M. “ “Performance Evaluation Studies of Two Continuous flow Fixed Bed Filters for Wastewater Treatment”. National Conference on Industrial Pollution and control Technology (IPACT- 2013) , March 14th-15th , 2013, Organized by Dept. of Chemical Engineering, Faculty of Engineering and Technology , Annamalai University, Annamalainagar, TamilNadu.