

At a Glance

Name	:	Dr. R. M. MAHALINGE GOWDA
Date of Birth	:	22 nd August-1963
Educational Qualification	:	B.E.- Civil Engineering- University of Mysore,Mysore M.E.- Civil/Environmental Engineering- University of Roorkee, Roorkee Ph. D- Civil/Environmental Engineering- I. I. T., DelhiNew Delhi
Responsibilities Held	:	Head of the Department , Dept. of Civil Engineering, PESCE, Mandya Dean (Research) PESCE, Mandya Professor , Dept. of Civil Engineering, PESCE, Mandya
Teaching Experience	:	35 Years
Research Experience	:	22 Years
Research Contribution and Publications	:	Three Ph.D's and two M.Sc.by Research degrees have been awarded, at present four Ph.D scholars are pursuing research under his guidance. Around 56 International and National Publications (Journals and Conference) Published.
Specialization Technology	:	Civil- Environmental Engineering
Projects Guided	:	Several Projects have been guided for UG and PG Students
Associated with Professional Bodies	:	MIE, ISTE, MISWE
Official Address for Correspondence	:	Dr R M Mahaligegowda Principal P.E.S College of Engineering, Mandya-571401 Karnataka, India.

Educational Qualification

Sl. No.	Degree / Specialization	University / Institution
1	B.E (Civil Engineering)	PESCE Mandya, University of Mysore
2	M.E (Civil-Environmental Engineering)	University of Roorkee, Roorkee
3	Ph.D. (Civil Engineering- Wind Engineering)	Indian Institute of Technology, Delhi, New Delhi

Text Books

Dr. G. Ranganath, H.N. Rajakumara and Dr. R.M. Mahalinge Gowda,
“**Engineering Mechanics (Statics and Dynamics)**”, Anuradha Agencies
and Publishers, Chennai, Tamilnadu , 2006 (ISBN: 81-89638-18-1).

Honours/Awards

- 1) **University Gold Medal** for standing First in M.E., at University of Roorkee, Roorkee, 1991.
- 2) **Dr. M.G. Deshpande Memorial Prize award** for the best technical paper presented at the 2nd International conference of Fluid Mechanics and Fluid Power held at Indian Institute of Technology, Roorkee (Uttaranchal) during 12-14th Dec., 2002.

Sponsored Projects Handled

Year	Organisation	Project Title	Amount received
2000-2002	AICTE (TAPTEC) Delhi	Physical Modeling for air pollution dispersion studies and wind disaster mitigation.	Rs. 12.00 Lakhs.
2000-2001	R.D.E.D., Karnataka Government.	Rural Ground Water Quality Analysis of Mandy District.	Rs.35.00 Lakhs.
2002-2003	AICTE (TAPTEC) Delhi	Wind Tunnel simulation study of Vehicular Emission Dispersion in the Near-field of Roadways.	Rs. 19.75 Lakhs

Significant contributions/Innovations

- Developed a new Environmental Wind Tunnel laboratory facility in the Dept. of Civil Engg. under AICTE sponsored Project worth Rs.31.75 Lakhs. This newly developed laboratory facility has high potential to study experimentally wide range of aerodynamics of structures and air pollution scenarios and also to carry out research and training for students.
- Assisted in survey and Master plan preparation for PG centre at Tubinakere of University of Mysore.
- Assisted in studies related to air quality monitoring, Agra Heritage Project, sponsored by Agra Development Authority and U.S National Park Service.
- Assisted in design and development of a new Environmental Wind Tunnel (EWT) facility at IIT, Delhi., which is of first kind in India. This developed new facility has high potential to study experimentally the wide range of air pollution scenarios. As an additional contributions to EWT facility, a novel type of model vehicular traffic system has been designed and developed as a part of Ph.D work.

Consultancy Work

1. Upgradation of existing ETP of Mysore Sugars Co., Mandya.
2. Worked as a consultant to Gemini Distilleries Pvt. Ltd., Nanjangud, Karnataka.
3. Worked as Technical advisor for upgradation of ETP at JK Industries- Vikrant Tyre Plant, Mysore

Papers Published out of Ph.D. Research work

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. 63-166, 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 Pollution*51(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 For Multidisciplinary*.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 (IJCET)* 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".** *Polution 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 Chowde Gowda 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 (IJE), 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.

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”. *J. 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”. *Journal of Environmental Protection*.

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. *2ndInternational Conference on Fluid Mechanics and Fluid Power Dec., 12-14, 2002, Indian Institute of Technology, Roorkee, Uttaranchal, India, pp 737-746.*
3. **MahalingeGowda, 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. MahalingGowda.** “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. MahalingGowda.** “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. **VinodA.R Mahalingegowda R.M.** ‘Comparative studies on Treatment of Wastewater using two different continous Flow Fixed bed Reactors’. *International Conference on Current trends in Engineering and Management, held at Mysore, from July-12th -14th2012.*
7. **Abhishek G B(2020).** An Experimental Study on the Cool Pavement Shambhavi S, Dr R M Mahalingegowda, Dr K C Manjunath, **Materials.***13th International Conference on Transportation planning and Implementation /methodologies for Developing Countries (TPMDC), from 10th to 11thDecember 2020 at Indian Institute of Technology, Bombay.*

NATIONAL CONFERENCE/WORKSHOP/SEMINAR:

1. **MahalingeGowda, R.M., MukeshKhare and K.K. Chaudhry.** Physical Simulation of Stack Dispersion Phenomenon in the Neutrally Stabilised 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. **MahalingeGowda, 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. **MahalingeGowda, 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. **MahalingeGowda, 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. **MahalingeGowda, 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., MahalingeGowda, 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., MahalingeGowda, 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., MahalingeGowda, R.M., K. Thasilu**"Environmental Impact of Traffic Noise". *Proceedings of the National Conference on Environmental Impact Assessment, 29-30, Sept., 2004, Organised by Adhiyamaan College of Engineering, Hosur, TamilNadu.*
9. **Rajakumara, H.N. and Dr. R.M. MahalingGowda.** "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 MahalingeGowda R.M,** "Vehicular Exhaust Dispersion through Different Urban Category Atmospheric Boundary Layers". *Proceeding of the National Conference ENVIRO on WindEngineering, NCWE-2007, 30th Oct to Nov1st SERC, Chennai India Pp 105-112.*
11. **Krishna M.K. and MahalingeGowda R.M,** "Wind tunnel simulation study of vehicular exhaust dispersion". *Proceeding of the International Congress of Environmental Research Icer-07 28th -30th December GovtGeetanjaliGirlsPG college, Bhopal India P_P26.*
12. **Krishna M.K. and MahalingeGowda 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 MahalingeGowda 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, Annamalaiagar, TamilNadu.*

Membership in various professional bodies

- ❖ Life member of The Institution of Engineers (India) (MIE)
- ❖ Life Member of Indian Society for Technical Education (ISTE)
- ❖ Life Member of Indian Society for Wind Engineering (MISWE).