

CURRICULUM VITAE OF Dr. K. MAHENDRAN



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- 1. Designation** : Associate Professor in Engineering
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- 3. Educational Qualifications** : B.E (Civil Engg); M E (Struct); Ph.D.,
- 4. Area of Specialization** : Structural Engineering
Cost-Effective Building Technologies
- 5. Teaching Experience** : 22 Years

6. Articles / Research Papers Published in Journals

1. Influencing Factors on Rural Housing: A Block Level Case Study, Journal of Extension and Research, Vol.12, No.1, 2009
2. Assessing Regional Sustainability: Land cover Change Analysis for Athoor Block of Dindigul District in Tamil Nadu, India, International Journal, Feb 10, Vol.3, No.1.
3. Disaster Resistant Rural House Design for Low Income People, International Journal of Applied Engineering Research, Vol.1, No.1, pp 77-82, 2010
4. Need and Urgency of Land slide Risk Planning for Nilgiri District, TamilNadu, India, International Journal of Geomatics and Geoscience, Vol. 1, No.1, pp 29-39, 2010
5. Block Level Planning of Crops Using GIS, Mesopotomia Journal of Agriculture, pp 1-7, 2010

7. Details of Papers Presented in Seminars / Symposia / Conferences (International)

- i. Strategies for Sustainable Habitat Development: A Case Study on Indian Villages, International Conference on Innovative and Smart Structural Systems for Sustainable Habitat, Coimbatore Institute of Technology , Coimbatore 2008.
- ii. A Study of the Workability & Compressive strength characteristics of Groundnut Shell Ash & Bottom Ash Blended Cement Concrete, International Conference on Earth Sciences and Engineering (ICEE 2010), Malla Reddy Engineering College & CAFET-INNOVA Technical Society , Hyderabad, 2010.
- iii. Effect of Rice Husk Ash and Fly Ash in Cement Concrete, International Conference on Earth Sciences and Engineering (ICEE 2010), Malla Reddy Engineering College & CAFET-INNOVA Technical Society, Hyderabad, 2010.
- iv. Evaluation of Inhibitors in Reinforced Concrete – An Electrochemical Approach of Corrosion Inhibition, International Conference on Earth Sciences and Engineering (ICEE 2010), Malla Reddy Engineering College & CAFET-INNOVA Technical Society, Hyderabad, 2010.
- v. Land Use Change Detection Using RS & GIS – A Case Study in Dindigul Block , International Conference on Earth Sciences and Engineering (ICEE 2010), Malla Reddy Engineering College & CAFET-INNOVA Technical Society , Hyderabad, 2010.
- vi. A Study on Compressed Soil Cement Block using Quarry Dust, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- - Deemed University, Gandhigram ,2010.
- vii. Participatory Planning for Futuristic Rural Housing, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- Deemed University, Gandhigram, 2010.
- viii. Effect of Corn Cob Ash in Cement Concrete, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- Deemed University, Gandhigram, 2010.
- ix. Compressive Strength Analysis of Fly Ash Blended Stabilized Mud Block, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- DU, Gandhigram, 2010.
- x. A GIS Based Micro level Resource Mapping for Sustainable Development, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- DU, Gandhigram, 2010.

- xi. Fostering Sustainable Development through Information and Communication Technologies, International Seminar on Sustainable Technologies and Management, Gandhigram Rural Institute- DU, Gandhigram, 2010.
- xii. Housing Technologies Vs People's Preference: A Block Level Study, International Conference on Environmental Sustainability: Challenges and Strategies, Fatima College, Madurai, 2011.
- xiii. Bio Diversity Change Inventory using Geo Spatial Change Detection Technologies – A Case Study, International Conference on Environmental Sustainability: Challenges and Strategies, Fatima College, Madurai, 2011.

8. Details of Papers Presented in Seminars / Symposia / Conferences (National)

- i. Entrepreneurship Promotion and Development through Building Centre, National Seminar on Entrepreneurship Promotion and Development, Gandhigram Rural Institute –Deemed University, Gandhigram, 1998.
- ii. Appropriate Technology for Rural Entrepreneurship, Regional Level Seminar, Department of Rural Industries and Management, Gandhigram Rural Institute, Gandhigram , 1998
- iii. A Study on Rural Resources using GIS for Implementation of Cost-Effective Building Technologies, National Seminar on Application of GIS for Rural Development, Technical Teachers Training Institute, Chennai, 2002.
- iv. Factors Influencing the Housing in Rural Sector, National Seminar on Status, Trends and Supervision of Research in Rural Development, Department of Applied Research, Gandhigram Rural Institute, Gandhigram, 2002.
- v. Use of Traditional Materials- A Block Level Study at Athoor of Dindigul District, Tamil Nadu, National Conference on Traditional Knowledge Systems of India, IIT Karaghpur, 2004.
- vi. An Alternate Technology for Sustainable Buildings Using Recycled Waste Materials in Indian Scenario, National Conference on Sustainable Community Construction Concepts for Evolving the Slums (SUCCESS-2010), Annamalai University, Chidambaram, 2010.
- vii. A Case Study on Energy Efficient Building Materials for Green Habitat, National Conference on Sustainable Community Construction Concepts for Evolving the Slums (SUCCESS-2010), Annamalai University , Chidambaram,2010.
- viii. Generating Cooking Gas from Food Wastes in Hostel – An Initiative, National Seminar on Vermitechnology, Use of Bio Fertilizers and solid Waste Recycling

for Sustainable Rural Development, Department of Biology, Gandhigram Rural Institute, Gandhigram, 2010.

- ix. Corrosion Evaluation of Steel Reinforcement in Concrete by the Use of Inhibitors – An Electrochemical Approach, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- x. Use of Rice Husk Ash and Fly Ash in Concrete, National Seminar on Problems and Prospects in Habitat Development Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xi. Analysis of Concrete using Corn Cob Ash as Partial Replacement of Cement, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xii. Role of Remote Sensing and GIS in Land use/ land Cover analysis – A Case Study of Theni Block in Theni District Tamil Nadu, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010
- xiii. Land use Analysis of Dindigul block, Tamil Nadu, India, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xiv. Habitat Safety in Landslide Hazard Prone Areas- A case study the Nilgris District, Tamil Nadu, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xv. A Study on Compressed Earth Blocks, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xvi. Appropriate Building Materials for Rural Housing – A Block level Case Study, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram 2010.
- xvii. Rural Resource Mapping using GIS Athoor Block of Dindigul District, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.

- xviii. Low Cost Housing, National Seminar on Problems and Prospects in Habitat Development, Rural Technology Centre, Gandhigram Rural Institute, Gandhigram, 2010.
- xix. சுற்றுச்சூழலை பாதுகாக்கும் கட்டிடதொழில்நுட்பங்கள் pp-67, ISBN 817735986 – X, Gandhigram Rural Institute, 2011
- xx. கற்காரை இரும்பு கழிவில் தவிடு சாம்பலின் தாக்கம் pp-69, ISBN 817735986 – X, Gandhigram Rural Institute, 2011
- xxi. சிமிட்டி மற்றும் கற்காரையில் பகுதி மாற்றாக திடக்கழிவுகளின் பயன்பாடு ஓர் ஆய்வு pp-70, ISBN 817735986 – X, Gandhigram Rural Institute, 2011
- xxii. தொழிற்சாலைகள் மற்றும் விவசாய விளைநிலங்களிலிருந்து வெளியேறும் கழிவுகளைக் கொண்டு வலுவூட்டப்பட்ட மண், கல் தயாரித்தல் பற்றிய ஆய்வு pp-70, ISBN 817735986 – X, Gandhigram Rural Institute, 2011
- xxiii. Maximum Likelihood Classifier and Digital Image Processing Techniques for Extraction of costal Landform features from Indian Remote Sensing Satellite (IRSP6) LISS III Imaginary – NCSIP, National Conference on Signal and Image Processing, Department of Computer Science, Gandhigram Rural Institute, ISBN 93-81361-90-8, 2011

9. Book Published

Sustainable Development – A Multidimensional Perspective, 2010
