

Dr. B. MAHALINGAM

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EDUCATIONAL BACKGROUND

M.Sc. Geography

Presidency College, University of Madras, Chennai, Tamil Nadu, India

Ph.D. in Geography (GIS & Remote Sensing)

University of Madras, Chennai, Tamil Nadu, India

SUMMARY OF EXPERIENCE

Managed all aspects of curriculum development and implementation. Determined student capabilities and utilized effective teaching methods to educate students. Handled lecturing responsibilities successfully.

- Teaching and Project Guidance of Master level students in GIS and Remote Sensing at Institute of Distance Education, University of Madras. (2010 - 2011)
- Teaching and Project Guidance of Master Level Students at M.Sc GIS for Sustainable Development, Department of Geography, University of Mysore, Mysore (2012-2015).
- Teaching and Project Guidance of Master of Technology Students at Department of Geography, University of Madras, Chennai (2015-2016).
- Teaching of Geography and GIS at Regional Institute of Education, Mysuru (2017-2018).
- Teaching and Project Guidance of Master and Bachelor Students at Central University of Karnataka (2018-Present)

AREAS OF STRENGTHS

GIS, Remote Sensing and Cartography

- Have been teaching GIS and Remote Sensing since 2010.
- Have guided dissertation in GIS and Remote Sensing
- Have been a key resource person to train government employee of Karnataka in the field of GIS and Remote Sensing at Administrative Training Institute, Mysuru.
- Have been invited for GIS and Remote Sensing training at various Colleges and Universities.

SELECTED LIST OF TRAININGS UNDERGONE

- Training Program on Fundamentals of Remote Sensing and GIS - Integrated Coastal and Marine Area Management, Taramani, Chennai, 2005.
- Advanced Training Program on Application of GIS, GPS and Remote Sensing for Disaster Management of Coastal Region - Department of Civil Engineering, St. Peter's Engineering College, Avadi, Chennai, 2007.
- National Workshop on GIS for Natural Resources & Disaster Management - Department of Geography, School of Geosciences, Bharathidasan University, Tiruchirappalli, 2008.

- National Workshop on GIS Principles and Applications - Department of Geography, School of Geosciences, Bharathidasan University, Tiruchirappalli, 2008.
- Training Programme On Geoinformatics - Department of Geography & Geoinformatics, Bangalore University, Bangalore, 2008.
- Workshop on Research Methodology for Social Sciences - Department of Statistics, University of Madras, Chennai, 2009.
- Three-day National workshop on Scenario Mapping, Climate Change and Infectious Diseases Department of Geography (GIS) Maharaja's College, University of Mysore, Mysuru, 2011.
- Two-day National Workshop on Remote Sensing and GIS Applications in Geography - Department of Geography, Devrukh, Maharashtra, 2012.
- Department of Environmental Studies & Wellness Centre, S.B.R.R Mahajana First Grade College - National Seminar on Environmental Health Hazards, 2013.
- National Workshop on Advanced Application of Geospatial Technology - Department of Studies in Geography, University of Mysore, Mysuru, 2013.
- AGMTRPAM - National Level One Week Workshop - Department of Civil Engineering, N.M.A.M. Institute of Technology, NITTE, Mangalore, Karnataka, 2013.
- A One Day Workshop on Intellectual Property Training and Awareness - Institute of Excellence, Vijnana Bhavan, Manasagangotri, University of Mysore, Mysuru, 2014.
- Training Program on Geospatial Technology and Application - Department of Science and Technology, JSS University, Mysuru, 2014.
- Advance Applications of Remote Sensing for Sustainable Development and Resource Conservation - Department of Studies in Geography, University of Mysore, Mysuru, 2017.
- Data Analysis Through SPSS and Its Application in Environmental Engineering - Department of Civil Engineering, UVCE, University of Bangalore, Bangalore, 2017.

LIST OF NATIONAL & INTERNATIONAL PAPERS PRESENTED

- Cropping Pattern of Tamil Nadu - Annual Conference on Changing Face of Geography, Department of Geography, Periyar E.V.R College, Tiruchirappalli, Tamil Nadu, 2006.
- Application of GIS as Mapping Tool: A Case Study of Mapping Incredible India - National Conference On Trends and Challenges in Research Areas of Computer Science, Department of Computer Science, Presidency College, Chennai - 05, 2007.
- Role of GIS and Remote Sensing in Geography Research - One-day National Seminar - cum - Workshop on Research Methodology in Geography, Rayat Shikshan Sanstha's, Arts, Science and Commerce College, Ramanandnagar, Sangli, Maharashtra, 2008.
- Impact of Anthropogenic Activities on Agricultural Land in the Coastal Villages of Kanchipuram District, Tamil Nadu - National Seminar in Geography on Recent Advances in Sustainable Regional Development, Department of Geography, Mahavir Mahavidyalaya, Kolhapur, Maharashtra, 2011.
- Land Use and Land Cover Changes Due to Anthropogenic Activities Along Coastal Stretch of Kanchipuram District - Tamil Nadu - National Conference on Population, Environment and Tourism, Department of Geography, Nya. Tayasaheb Athalye Arts, Ved. S.R. Sapre Commerce & Vid. Dadasaheb Pitre Science College, Devrukh, Maharashtra, 2011.

- Spatial Relationship Between Transport Network and Development Activities in Southern Coast of Chennai - National Conference on Sustainable Transportation Using ITS, Department of Civil Engineering, St.Peter's Engineering College, Avadi, Chennai, 2017.
- Digital Image Processing Using Landsat ETM+ - National Workshop Digital Image Processing, Department of Geography, Presidency College, Chennai, 2012.
- GIS - Based Assessment of Urbanization & Degradation of Other Land Use - Two - Day National Level Seminar on Dimensions of Urbanization - Challenges and Opportunities, Department of History, Economics, Geography & Sociology, 2012.
- The study of Land use and Land Cover Change to Find Out the Degradation of Agricultural Land Use in Coastal Stretch of Kanchipuram District- Tamil Nadu - Two - Day National Level Seminar on Sustainable Development, Climate Change & Food Security, Department of Collegiate Education, Post Graduate Department of Geography, Maharani's Arts and Commerce College for Women, Mysuru, 2013.
- Influence of Urbanization on Agriculture Land Use: A Case Study of Kanchipuram Coastal Villages - Tamil Nadu - First International Conference on Urban Issues and Changes, Department of Geography, Bangalore University, 2013.
- A GIS Based Soil Erosion Model of Mysore District - Using Universal Soil Loss Equation - International Conference on Environmental Management for Sustainable Development, Department of Geography Karnatak University's Karnatak Science College Dharwad-Karnataka, 2013.
- Collaboration of Indian and Iranian Students in Spatial Research - International Conference on Indo-Iranian Scientific Relation and Co-operation: Opportunities and Challenges, held in University of Mysore, Organized by Science and Education, Embassy of Islamic Republic of Iran, New Delhi, 2015.
- Opportunities in Geography - One-day National Seminar on Status of Geography in India: Issues, Opportunities & Challenges, Department of Geography, Maharaja's College, University of Mysore, Mysuru, 2015.
- Analysis of Ground Water Using GIS Techniques - State Level Seminar on Conservation of Water Resources, Department of Geography, JSS College for Women, Chamarajanagara, Karnataka, 2015.
- Monitoring and Analysis of Agricultural lands: A Case Study of Kollegal Taluk - State Level Seminar on Sustainable Agriculture for Food Security, Department of Geography, JSS College for Women, Kollegal, Karnataka, 2015.
- Impact of Transportation Network on The Coastal Area: A Case Study of Kanchipuram Coast - Tamil Nadu, India - National Conference on Coastal Environment, Center for Remote Sensing and Geoinformatics, Sathyabama University, Chennai, Tamil Nadu, 2015.
- Comparison of Satellite Based Elevation Data for Watershed Delineation and Morphometric Analysis: A Case Study of Part of Nilgiri District - National Conference on Application of Remote Sensing, GIS and GPS Technologies, Department of Geography, School of Earth and Atmospheric Science, Madurai Kamarajar University, Madurai, 2015.

- Location - Allocation Model Applied to Urban Public Services: Spatial Analysis of Fire Stations in Mysore Urban Area Karnataka, India - 38th Indian Geography Congress - NAGI, Department of Studies in Geography, University of Mysore, Mysuru, 2016.

AWARDS OBTAINED

- The Young Technologist Award was awarded by the Union of Geographic Information Technologist (UGIT), Bangalore University, Bangalore.

PUBLISHED RESEARCH PAPERS

- Uma J, Mahalingam B (2011) Spatio-Temporal Changes of Land Use and Land Cover Analysis Using Remote Sensing and GIS: A Case Study of Kanchipuram District Coastal Stretch – Tamil Nadu, International Journal of Geomatics and Geosciences, Vol. 2, Issue 1, pp.188-195.
- Mahalingam B, Uma J (2012) Spatial Relationship Between Transport Network and Development Activities on The Southern Coast of Chennai City, Electronic International Interdisciplinary Research Journal, Vol. 1, Issue I, pp.87-92.
- Ramu and B.Mahalingam, (2012) Hypsometric Properties of Drainage Basins in Karnataka Using Geographical Information System, New York Science Journal, Vol. 5, Issue 12, pp. 156-158.
- Ramu, B.Mahalingam, P Jayashree, (2013) Morphometric Analysis of Tungabhadra Drainage Basin in Karnataka Using Geographical Information System, Journal of Engineering, Computers & Applied Sciences, Vol. 2, Issue 7, pp.1-7.
- B.Mahalingam, Ramu, Magdum Deepali Bhauso, P.Jayashree, (2014) Assessment of Groundwater Quality Using GIS Techniques: A Case Study of Mysore City, International Journal of Engineering and Innovative Technology, Vol. 3, Issue 8, pp.117-122.
- B.Mahalingam, Ramu, Bharath, Jayashree (2014) Rainfall Variability in Space and Time, A Case of Mysore District, Karnataka, India, Current Trends in Technology and Science, Vol. 3, Issue: 3 pp.205 – 209.
- B.Mahalingam, Ramu, Vinay.M (2014) A Comparative Temperature Study of South Indian Metropolitan Cities in India Using Remote Sensing and GIS Technique, International Journal of Engineering Technology and Computer Research (IJETCR), Vol. 2, Issue 5 pp.27-39.
- Jayashree, B.Mahalingam, Arun Kumar. S (2014) Evaluation of Vegetation Cover in Chamarajanagar District Using NDVI Technique, Research Directions, Vol. 2, Issue: 3, pp.1-5.
- Lathamani. R, Suresha. S, B. Mahalingam (2014) Groundwater Vulnerability Mapping in Mysore City using GIS and Drastic Model, International Journal of Researches in Biosciences, Agriculture & Technology, Vol. II, Issue:2, pp.729-740.
- M. Vinay, Ramu, B.Mahalingam and B.V Shobha (2014) Estimation of Seafloor Bathymetry across the Shallow Waters of Coastal Region using Remote Sensing and GIS Techniques: A Case Study of Andaman Islands, Territory of Indian Administration, India, International Journal of Advanced Research in Science and Technology, Vol. 3, Issue: 4, pp.205-207.

- Ramu, Mahalingam B, Vinay M (2014) Identification of ground water potential zones using GIS and Remote Sensing Techniques: A case study of Mysore taluk –Karnataka, International Journal of Geomatics and Geosciences, Vol. 5, No 3, pp.393-403.
- R.Vimala, B.Mahalingam and P.Sujatha (2015) Assessment of tourist's arrivals and their relationship with rainfall: A case study of Tamil Nadu, International Journal of Advanced Research in Science and Technology, Vol.4, Issue 2, pp.281-284.
- B.Mahalingam and Amin Noori Deldar (2015) Study of Spatial and Topographical Variation of Rainfall in Kerman Province in Iran using GIS, International Journal of Engineering Technology and Computer Research, Vol.3, Issue 2, pp.95-101.
- Sardar Ananda Patil and B.Mahalingam (2015) Assessment of Spatial and Temporal Changes in Forest using GIS and Remote Sensing Techniques: A Case Study of Sangmeshwar Taluka, Maharashtra, India, International Journal of Engineering Technology and Computer Research, Volume 3; Issue 2; pp.118-125.
- R.Vimala, B.Mahalingam and P.Sujatha (2015) Analysis of District Wise Tourist Arrivals in Tamil Nadu, India, International Journal of Research, Volume 2, Issue 4, pp. 656-661.
- B. Mahalingam, Amin Noori Deldar, M. Vinay (2015) Analysis of Selected Spatial Interpolation Techniques for Rainfall Data, International Journal of Current Research, Vol 7, Issue 7, pp. 66-71.
- M.Vinay, Ramu and B. Mahalingam, (2015) Simulation of Spatial Concentration of Urban Built-up Lands through GIS and Remote Sensing Techniques: A Study of Mysore City, Karnataka, India, ACCENTS Transactions on Image Processing and Computer Vision, Vol.1, Issue 1, pp. 8-11.
- M.Vinay Ramu B.Mahalingam, (2015) Spatial Model for Estimation of Carbon Stock and Carbon di Oxide Sequestration by Indian Forest through Landsat Imageries, International Journal for Scientific Research & Development, Sp. Issue – Image Processing 2015, pp. 1-3.
- M Vinay, Ramu, B Mahalingam, (2015) Site Suitability Analysis for Artificial Recharge of Groundwater using GIS and Remote Sensing Techniques: A Study of Mandya District, Karnataka, India, Journal of Water Resource Engineering and Management, Vol 2, Issue 3, pp. 10-22.
- B Mahalingam, M M Malik, M Vinay, (2015) Assessment of Soil Erosion Using USLE Technique: A Case Study of Mysore District, Karnataka, India, Journal of Remote Sensing & GIS, Vol 6, No 3, pp. 1- 7.
- Mudasir Majid Malik, Asima Nusrath and Mahalingam B, (2015) Analysis of Different Indices for Monitoring Vegetation Cover Using Remote Sensing Data: A Case Study of Baramulla District, Kashmir Valley, India, International Journal of Recent Scientific Research Vol. 6, Issue 12, pp. 7788-7792.
- M. Vinay, Ramu and B. Mahalingam, (2015) Quantification of Soil Erosion by Water Using GIS and Remote Sensing Techniques: A Study of Pandavapura Taluk, Mandya District, Karnataka, India, ARPN Journal of Earth Sciences, Vol. 4, Issue 2, pp.103-110.
- Lathamani. R, M.R. Janardhana, B. Mahalingam, S. Suresha, (2015) Evaluation of Aquifer Vulnerability Using Drastic Model and GIS: A Case Study of Mysore City, Karnataka, India, ScienceDirect, ELSVIER, Vol. 4, pp. 1031 – 1038.

- M. Vinay, Ramu, B. Mahalingam, (2016) Soil Quality Assessment using GIS and Parameter Indexing Method, Research & Reviews: Journal of Agricultural Science and Technology, Vol. 5, Issue 1, pp.16-24.
- B.Mahalingam And Amin Noori Deldar, (2016) Vertical Accuracy Assessment of Freely Available Satellite Based Elevation Data: A Case Study of Kodaikanal, Tamil Nadu, India, Journal of International Academic Research for Multidisciplinary, Vol. 4, Issue 7, pp.92-99.
- B.Mahalingam and Akash Raj D P, (2016) Major Drawbacks of Public Distribution System in India-A Review, International Journal for Scientific Research and Development, Vol. 4 Issue 09, pp.602-605.
- Javaid Ahmad Tali, Mudasir Majid Malik, Divya S, Asima Nusrath, Mahalingam B, (2017) Location–Allocation model applied to urban public services: Spatial analysis of fire stations in Mysore urban area Karnataka, India, International Journal of Advanced Research and Development, Vol. 2, Issue 5, pp.795-801.
- Shivananda Chinnappanavar, B Mahalingam, (2017) GIS training to pre-university teachers: A holistic approach, International Journal of Advanced Educational Research, Vol. 2, Issue 6, pp.336-339.