

RESUME

CHANDRAMOHAN. K
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ACCOMPLISHMENTS

- ❖ More than 9 years of experience combining information Technologies, Remote Sensing, Data Base Management and Integration services. And numbers of Scientific Research Publications.
- ❖ Over these period specializing in **Digital Image processing, Geospatial services and Applications.**
- ❖ **Hydrologic Computations of mathematical modelling.**
- ❖ Extensive experience developing environment based mapping applications using **ERDAS Imagine, Arc GIS, Arc View, Auto CAD, MapInfo, MATLAP, Global Mapper , Arc tools. And also C++ & Java.**

WORK HISTORY

- **Teaching Assistant: (February 2018 - till)**

Working as a Teaching Assistant deals with Remote Sensing and GIS Techniques in Krishna Agriculture and Technology, Usilambatti, Madurai, Tamil Nadu, India.

- **Ph.D: (November 2014 – February 2018)**

[This research study entitled in "Geospatial Modelling of Surface Water Exploration and Enhancement Using Remote sensing and GIS Techniques" in Madurai Kamaraj university, Madurai, Tamil Nadu, India. Mainly it is deal with the hydrological modelling for surface runoff amount in catchment area.]

- **GIS adviser: (September 2011 – February 2014 in Madurai)**

[GIS adviser for Watershed ATLAS map preparation in IAMWARM project. Public Works Department, Madurai, Tamil Nadu Government, India]

- **Teaching and Technical Assistant (September 2010- August 2011 in Madurai)**

Give a technical support, a guide to the student's thesis work (final year project) and prepare study materials for M.Sc studies to work in the Department of Environmental Remote Sensing and Geo-Information Technology, Madurai Kamaraj University, Madurai.

- **Senior Geo-Spatial Engineer (June 2008-August 2010 in Chennai):**

Providing senior level GIS engineering employee, Digital Image Processing, database design, applications, and development. This includes a number of projects integrating **Arc GIS, ERDAS Imagine, Auto CAD, Map Info, Global Mapper**. Access and other databases with robust GIS desktop, intranet mapping applications in Empower GIS Consultancy Pvt Ltd., Chennai

- **Geospatial research experiences in my Post graduation Study (2008):**

Collect field data using HP GPS path finder for residential, Agriculture and Canal Surveys for updates to few minute topographic maps .This included walking, hiking, biking and various trails, collecting

field inventory data GPS location data(Point, Roads and other "Stream" or Continually related data) and adding or developing related attribute tables, Raw data was transferred to a field laptop.

LIST OF SCIENTIFIC RESEARCH PUBLICATION

INTERNATIONAL JOURNALS (IMPACT FACTOR AND PEER REVIEWED)

1. **K.Chandramohan** and Dr.R.Vijaya (2017). Hydrologic Computations of SCS-CN, Rational, Area velocity and Tc Methods for Quantifying the Forest Surface Water Runoff. A case study in Sirumalai hill environ of Sathiyar Reservoir, Madurai, Tamil Nadu, India. International Research Journal of Engineering and Technology (IRJET). e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 04 Issue: 04 Pp 662-670 www.irjet.net (Impact Factor 5.181)
2. V.Padmavathy, D.Winfred Thomas and **K.Chandramohan** (2017). Indigenous Knowledge on Bio Resources Management For Livelihood of The People of Kodikulam Village, Madurai East, Tamilnadu, India. International Research Journal of Engineering and Technology (IRJET). e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 04 Issue: 07 | Pp 1276-1282. www.irjet.net (Impact Factor 5.181)
3. V.Padmavathy, D.Winfred Thomas and **K.Chandramohan** (2017). Community Led Management In Conserving Biodiversity And Managing Natural Resources Using Traditional Knowledge: A Case Study On Kodikulam Village, Madurai, Tamilnadu. International Research Journal of Engineering and Technology (IRJET). e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 04 Issue: 04 | Pp 1074-1079. www.irjet.net (Impact Factor 5.181)
4. V.Padmavathy, D.Winfred Thomas and **K.Chandramohan** (2017). Community Based, Resources Dependent Livelihood: A Case Study at Kodikulam Village, Madurai East, Tamilnadu. International Journal of Science and Research (IJSR). ISSN (Online): 2319-7064, Volume 6 Issue 7, Pp:1345 – 1347, Impact Factor (2015): 6.391.
5. **K.Chandramohan** and Dr.R.Vijaya (2016). Surface Water Resource Exploration And Enhancement – An Opinion Survey of Sathiyar Micro Watersheds in Sirumalai Hill in Alanganallur Block, Madurai, Tamil Nadu. African Journal of Geo-Science Research. Volume: 04 Issue: 04 | Pp 1 - 4. ISSN: 2307-6992. http://ajgr.rstpublishers.com/pdf_files/all/ajgr_a_2910_edit%201.pdf
6. **K.Chandramohan** and Dr.R.Vijaya. An Analysis of Geomorphic Quantitative Study of Bifurcation Ratio And Drainage Pattern By Using Remote Sensing And GIS Technique, A Case Study In Sirumalai Hill Environs, Tamil Nadu, India. African Journal of Geo-Science Research. Volume: 04 Issue: 01 | Pp 12-15. ISSN: 2307-6992. http://ajgr.rstpublishers.com/pdf_files/all/ajgr_a_1792_edit%203.pdf
7. Tamilenthi S, Arul P, **K.Chandramohan** (2015). Detection of Urban Change and Urban Sprawl of Madurai City, Tamilnadu Using GIS and RS. Journal of Environment Protection and Sustainable Development Vol. 1, Issue No. 3 | pp. 107-120 <http://www.aiscience.org/journal/jepsd.pdf> (Impact Factor 0. 50)
8. Dhanasekarapandian. M, Selvan. P, Chandran. S and **K.Chandramohan** (2015). Land use and land cover dynamic analysis using satellite Remote Sensing and GIS techniques -A case study of Girudhumal river sub basin, Tamilnadu, India. International Journal of Geomatics And Geosciences. Volume 5, Issue No 4, | Pp 107 - 120. <http://www.ipublishing.co.in/jggsarticles/volfive/EIJGGS5051.pdf> . 2015. ISSN 0976 – 4380.
9. Vignesh Prabhu, Nagarajan.M, . **K.Chandramohan**, and Dhureen Karthik.P(2015). Domestic Drinking Water Demand Assessment and Predict The Future Gaps In Corporation: a Case Study of Madurai City, Tamil Nadu, India. African Journal of Science and Research, Volume 4 , Issue No 2 |

Pp01-04. Available Online: <http://ajsr.rstpublishers.com> ISSN: 2306-5877

10. Nagarajan.M, **K.Chandramohan**, Vignesh.M, Subash.S.M (2014). Spectral Behaviour of Pixels for Temporal Satellite Images, Using Remote Sensing and GIS Techniques. African Journal of Geosciences. Volume 2, Issue No 3 |Pp 01-04. www.ajgr.rstpublishers.com ISSN: 2307-6992,

11. **K.Chandramohan**, Vijaya Lakshmi.P and V.Padmini(2013). Physio-chemical analysis of ground water and interpolation of groundwater quality by using geospatial analysis. Volume 1, Issue No 1 | Pp 12- 17 www.ajgr.rstpublishers.com ISSN: 2307-6992 2013, 1(1): 12-17

12. S.Tamilenthi, **K.Chandramohan** and R.Baskaran (2011). Integrated water resource management for sustainable development-a case study of Kottakarai Aru water shed of lower Vaikai river basin in Ramanathapuram district using geo-spatial technology.Volume 41 | PP 5633-5636 - www.elixirjournal.org , ISSN:2229-712X.

13. S. Tamilenthi, R. Baskaran and **K.Chandramohan** (2011). Triangulated irregular network (TIN) Model for water resource management for the sustainable development of Kottakarai Aru watershed, Tamil Nadu, India. Volume 6, Issue No 2| Pp 312 - 318 www.researchgate.net ISSN:0973-6921)

14. Tamilenthi.S, **K.Chandramohan**, Vijayalakshmi.P and R. S. Suja Rose (2011). The data base, land use and land cover and solid waste disposal site - using remote sensing and GIS. Volume 2, Issue No 6 | Pp 379 - 392. Pelagia Research Library. www.pelagiaresearchlibrary.com CODEN USA: AASRFC, ISSN:0976-8610).

15.S.Tamilenthi, J. Punithavathi, R. Baskaran and **K.Chandramohan** (2011), “Dynamics of urban sprawl, changing direction and mapping”. Volume 3 , Issue No1. www.scholarsresearchlibrary.com , SRL-AASR-2011-1252, CODEN (USA) , AASRC9 ISSN:0975-508X.

INTERNATIONAL LEVEL CONFERENCE

16. **K.Chandramohan** and Dr.R. Vijaya. Assessment of Spatio Temporal Variations of Land Surface Temperature’s Influence on Rain Fall Using Remote Sensing - A Case Study of Sirumalai Hill and Its Environs, Tamil Nadu, India. Published by 2nd International Conference on Environment and Ecology, Department of Environmental Sciences Bharathiar University Coimbatore, Tamil Nadu, Conducted on March 7, 8 and 9, 2016. An International Journal of Environmental Science and Research, **ISBN: 2349-7335**

17. Sequvara, Dr.S.Chandran, M. Dhanasekarapandian and **K.Chandramohan**. Urban Used water Management for Agriculture and Industrial Purposes by Using Remote Sensing and GIS Technique: A Case Study on Girithumal River Madurai Region, Tamilnadu, India. published through International conference on Futuristic Innovation & Developments in Civil Engineering in Mepco Schlenk Engineering College, Department of Civil Engineering , Sivagasi, Tamil nadu, India: April 18 – 20. **ISBN 978-93-80624-88-4**

NATIONAL LEVEL SEMINAR/CONFERENCE

18. **K.Chandramohan** and Dr.R. Vijaya . Surface Water Resource Management Using Remote Sensing and GIS Techniques - A Case Study of Sirumalai Hill Environs, Tamil Nadu, India. Published through National Conference in Madurai Kamaraj University, Madurai, Tamil Nadu, India. December – 17 & 18, 2015. **ISBN: 9789384193614.**

19. **K.Chandramohan** and Dr.R. Vijaya . Identification and Monitoring of Agricultural land vegetation and evaluation of Climatic conditions using Remote Sensing and GIS Techniques: A case study of Sirumalai and Waguthumalai valley region, Tamil Nadu, India. Published through Geo-tree National Seminar in Madurai Kamaraj University, Madurai, Tamilnadu, India. August – 13 & 14 , 2015: **ISBN:9789384193362.**

20. **K.Chandramohan** and Dr.R. Vijaya . Detection and Mapping of Ground Water Contaminating sources by Thermal power plant, Recreational Theme Park and Residential area in Samayanallur Region. Published through National Seminar in Madurai Kamaraj University, Madurai, Tamilnadu, India. February – 19 & 20, 2015. **ISBN: 938068603-X**.

21. **K.Chandramohan** and Dr.R. Vijaya . Flood Mapping and Risk Assessment in Application of Remote Sensing and Geographic Information System: The Case Study of Sathiar Reservoir in Sirumalai Hill Region, Tamil Nadu, India. Published through Participatory Disaster Management National Seminar in Bharathiyar University Arts and Science College, Gudalur, Tamilnadu, India. September – 13 , 2014.

22. Dr.Ilangovan, Sudhagar, Saravanan, Karthika and **K.Chandramohan**. Application of Geo-informatics for Resource Mapping at Village Level: A Case study of Karuvappillai Hamlet of Kovilangulam Village in Madurai District "published through Indian Cartographer (ISRO) volume 28,2008 (page-475),**ISSN:0972-8392**.

INVITED LECTURE

a) Delivered lecture and two days workshop of hands on training to provide “Remote Sensing and GIS basics, application and modelling for Civil Engineering” for Civil Engineering students and faculties on 05 & 06 October 2017. In Department of Civil Engineering, Sethu Institute of Technology, Kariyapatti, Viruthunagar.

b) Delivered lecture on basic concept of Remote Sensing and GIS application and modeling programme for M.Sc Botany students and faculties on 10 December 2015. In Department of Botany, The American College, Madurai.

c) Delivered lecture on basic concept of Remote Sensing and GIS application and modeling programme for students and faculties on 15 September 2013. In Latha Mathavan Engineering College, Madurai.

d) Delivered lecture on Remote Sensing and GIS application and modelling programme for TNPWD (Tamil Nadu Public Works Department) Assistant and Executive Engineer from 9 Sep 2013 to 14 Sep 2013, In Tamil Nadu Polytechnic College, Madurai.

SEMINAR / CONFERENCE PARTICIPATION

a) Actively participated in 9th NABS National Conference on “**New Biological Researchers: Opportunities and Challenges for sustainable Development**” during 11th and 12th August 2016, in School of Energy Science, Madurai Kamaraj University, Madurai, Tamil Nadu, India.

b) Actively participated in National Seminar on “**Emerging Frontiers in Geomatic Applications – EMPROG 2011** ” during 21st and 22nd March 2011.

HONOURS AND AWARDS

a) Rajiv Gandhi National Fellowship Award, University Grants Commission, New Delhi (2011-2016).

COMPUTER SKILLS

Operating System	: Windows /XP/Vista/2008/7/8/8.1
Software	: Arc GIS, Arc View, ERDAS Imagine, MATLAP, Map Info, Global Mapper and Turotech QV
Programming Language	: C++ and java

EDUCATION

Ph.D – Geospatial Modelling of Surface Water Exploration and Enhancement using Remote Sensing and Geo Information Technology. A case study of Sirumalai Hill Environs, Madurai, Tamil Nadu, India, (Nov – 2014 to Feb - 2018), Madurai Kamaraj University, India.

M.Sc - Environmental Remote Sensing and Geo-Information Technology (69.75%),
Madurai Kamaraj University (2006 - 2008), India.

B.Sc - Botany (50%): Botany (Ancillaries: Zoology and Chemistry)

12th - HSC (54%): Physics, Chemistry, Botany and Zoology

10th - SSLC (69%): General studies.

DETAILS OF PROFESSIONAL COURSE / TRAINING

- a) (22/05/2017 – 09/06/2017) Outreach Programme on Remote Sensing and GIS Applications in Water Resources Management, conducted by IIRS, Dehradun
- b) (22/02/2016 – 27/02/2016) **Research Methodology, Short term Course** conducted by UGC-Academic Staff College, Madurai Kamaraj University.
- c) (17/06/2015 – 26/06/2015) **Research methodology** conducted by Department of Econometrics , Madurai Kamaraj University.
- d) (18/08/2014 – 23/08/2014) **Data Analysis using Software, Short term Course** conducted by UGC-Academic Staff College, Madurai Kamaraj University.
- e) (29/01/2007 – 09/04/2007) **Remote Sensing , Geographical Information System and Global Positioning System**, Training Course conducted by IIRS, Dehradun.

SPECIALIZATION

- 1)Hydrological modelling, Mathematical calculation
- 2)Change detection analysis.
- 3)Modelling study of water resources, climate, agriculture, urban sprawl