

List of publications

Lakshmi Narasimhan, C., Kumaravel, V., Nimmy, K. C., and Venkatachalapathy, R. 2014. Anthropogenic Enhanced Magnetic Susceptibility- A Case Study from Chennai City, India. *Int. Jour. of Earth Sci. and Engg.*, Volume 7, No.4, pp.1383-1392.

C. Lakshmi Narasimhan, S. Dhanamadhavan. Ground Penetrating Radar and (GPR) & its applications. *Research and Development News-Anna University*, October, 2013, pg.10.

Sethupathi, A. S., **Lakshmi Narasimhan, C.**, Vasanthamohan, V. (2012). Evaluation of hydrogeomorphological landforms and lineaments using GIS and Remote Sensing techniques in Bargur-Mathur subwatersheds, Ponnaiyar River basin, India. *Int. Journ. Geomatics and Geosciences*, Vol.3., No.1., pg 178-190.

Sethupathi, A. S., **Lakshmi Narasimhan, C.**, Vasanthamohan, V., Mohan, S. P. (2011). Prioritization of miniwatersheds based on Morphometric Analysis using Remote Sensing and GIS techniques in a drought prone Bargur-Mathur subwatersheds, Ponnaiyar River basin, India. *Int. Journ. Geomatics and Geosciences*, Vol.2., No.2., pg.403-414.

A. S. Sethupathi, **C. Lakshmi Narasimhan**, V. Vasanthamohan, S. P. Mohan and S. Anbazhagan (2010). An Integrated Remote Sensing and GIS based Approach for the identification of Artificial Recharge Sites in Bargur-Mathur Sub-watersheds, Ponnaiyar basin, India. *Int. Journal of Earthsciences and Engineering*, Vol.03, N0.02, pp.188-206.

Lakshmi Narasimhan, C and Jothimani Ponnusamy, (2009). Disaster Preparedness and Capacity Building Initiatives. Published in the proceedings of National Seminar on Disaster Mitigation and Rehabilitation of Structures (DiMaRS-2009), Published by Department of Civil and Structural Engineering, Annamalai University, Annamalainagar, Tamil Nadu. p.141-148.

Lakshmi Narasimhan, C. and Bhagavanulu D. V. S. (2008) Culture of Safety against lightning-Indian perspective in "The Lightning Phenomenon: Need for Awareness, Detection and Protection from Damage caused by Lightning" Eds Ravindra Arora and Chandima Gomes. Published by NAM S&T Centre, New Delhi, p 115-131.ISBN:81-7035-579-6.

Lakshmi Narasimhan, C., Patil, S. K., and Arora, B. R., (2008). A palaeomagnetic perspective on the flows and intrusives of Kachchh Rift Basin and its implication on Reunion plume-Indian plate interaction. *GSI Special Volume on 'Indian Dykes'* Eds: Rajesh K Srivastava, Ch. Shivaji and N. V. Chalapathi Rao, Narosa Publishers, New Delhi, p.159-179.ISBN:978-81-7319-877-9.

Subramanian, S., Eswaramoorthi, S., Periakali, P., Saravana Kumar, S. K., and **Lakshmi Narasimhan, C.**, 2001. Major and Trace elements (Fe, Mn, Al, Cu & Hg) in Pichavaram Mangrove Sediments, Tamil Nadu, East Coast of India. *Journal of Applied Geochemistry*, Vol.3, No.1, pp.6-12. ISSN:0972-1967.

LIST OF INTERNATIONAL AND NATIONAL CONFERENCE PAPERS

K. Neelavannan, S. M. Hussain, **C. Lakshmi Narasimhan**. Estimation of pollution level In Estuarine Systems using magnetic and Geochemical techniques along Chennai Coast, Bay of Bengal, India. International Water Conference 2016: Water Resource In Arid Areas: The Way Forward, held at University Muscat Sultan Qaboos, University, Oman during 13-16 March, 2016.

Lakshmi Narasimhan, C., and Neelavannan, K. Environmental Magnetic Studies on Core Samples from Adyar, Cooum Rivers, Estuaries and Ennore Creek, Chennai, India. National seminar on Recent Advances in Environmental Geology, during 21 and 22 March, 2015, organized by Department of Geology, Anna University, Chennai and supported by UGC-DRS (Phase III), New Delhi , Abstract volume, page no.38

K. Neelavannan, S. M. Hussain, **C. Lakshmi Narasimhan**. Rock magnetic and geochemical characteristics of estuarine sediments along Chennai coast, Bay of Bengal, India. National worksop on Continental crust and cover sequences in the evolution of the Indian Sub-continent, organized by National Centre for Earth Science Studies, Trivandrum, during 20-21 January, 2015. Abstract of poster presentations, pg no.14.

C. Lakshmi Narasimhan, S. Srinivasalu, V. Kumaravel, R. Venkatachalapathy, Susanta Maharana and S. Senthil. "Heavy metal geochemistry and magnetic susceptibility studies on the sediments along Adayar river, Chennai, Tamil Nadu, India" was presented in 'The fourth IGCP 588: Preparing for Coastal Change' Conference from 20th -24th May 2013, organized by Anna University and National Centre for Sustainable Coastal Management, Chennai, India.

S.Srinivasalu, **C. Lakshmi Narasimhan**, S. Dhanamadhavan. Understanding of subsurface geomorphology of Mahabalipuram coast using Ground penetrating radar and Sedimentology. National Workshop on Recent Scientific Advances in Southern Granulite Terrain' organized by Geological Survey of India, Government of India during 18-19 April 2013, Abstract volume, Page no.141.

A. S. Sethupathi, **C. Lakshmi Narasimhan**, V. Vasanthamohan, S. P. Mohan and S. Anbazhagan. Integrated Remote Sensing and GIS based Approach for the identification of Artificial Recharge Sites in Bargur-Mathur Sub-watersheds, Ponnaiyar basin, India. International conference on advances in Mechanical and Building sciences in the 3rd Millenium (ICAMB-2009) during 14-16 December 2009, at VIT University, Vellore.

Lakshmi Narasimhan, C. and Bhagavanulu, D. V. S., Culture of Safety against lightning- An Indian perspective. Presented in the International Roundtable Conference on Lightning Protection, held at Colombo, Sri Lanka, during 22-25 May, 2007.

Lakshmi Narasimhan, C., Patil, S. K. and Arora, B. R. Palaeomagnetic and Rock magnetic studies on the Alkaline Complexes of Rajasthan and their implications on Reunion plume-Indian plate interactions. Presented at the IAGA Conference 2005, held at France.

Lakshmi Narasimhan, C., Patil, S. K., and Arora, B. R., Rock Magnetic and Paleomagnetic studies on Bhuj, Gujarat, India at 23rd general assembly of International union of geodesy and geophysics (IUGG) held at Sapporo, Japan during June 30 – July 11, 2003.

Lakshmi Narasimhan, C., Althaf, P. A., and Venkatachalapathy, R. Heavy metal geochemistry and magnetic susceptibility studies on the sediments of Cooum river mouth, Chennai, Tamil Nadu, India'. National Conference on Integrated Coastal Zone Management (ICZM-12) held at the Department of Marine Sciences, Berhampur University, Odisha 24-25, February, 2012.

Lakshmi Narasimhan, C., S. Senthil, and Venkatachalapathy, R. 'Textural Analysis, Heavy Metal Geochemistry and Magnetic Susceptibility studies on the sediments of Adayar river, Chennai, Tamil Nadu, India'. 24th Indian Institute of Geomorphologists National Conference and Annual convention on 'Coastal Dynamics and Geomorphology' held during 19-22 October 2012, at Anna University, Chennai.

Lakshmi Narasimhan, C., Jothimani Ponnusamy. Disaster Preparedness and Capacity Building Initiatives. National Seminar on Disaster Management and Rehabilitation of Structures (DiMaRs-2009) held at Department of Civil and Structural Engineering, Annamalai University, during 19-20 March 2009.

Arora, B. R., **Lakshmi Narasimhan, C.**, and Patil, S. K, Palaeomagnetic studies on the dyke swarms of Deccan Volcanic Province: tracking plume-lithosphere interactions. Presented in the Group Discussion Meeting (seminar) on Indian Dykes, held at Banaras Hindu University, Varanasi during 18th and 19th March 2006.

Awards and Recognition

Received "Most Active Researcher Award" for the year 2007-08 from VIT University, Vellore in the 23 Annual Convocation Functio