

CURRICULUM VITAE

1. Name : **Dr. K. N. LOKESH**
2. Date and place of Birth : 12th May 1956, Kananur, Magadi Taluk, Ramanagara District, Karnataka, India
3. Nationality : Indian
4. Present Postal Address : Dr. K. N. Lokesh, Prof. & Head, Dept. of Civil Engineering National Institute of Technology, Surathkal, Srinivasnagar P.O -575025 Dakshina Kannada.
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5. Educational Qualifications :

Degree	Division	Year	Subjects Taken	Name of the University
M. Sc.,	I class & I Rank	1979	Geology	Bangalore Univ.
M. Phil.,	I class	1981	Geology	Bangalore Univ.
Ph.D.		1988	Geology	Gulbarga Univ.

6. Professional Experience:

Institution	Post held	Duration	Teaching Experience / Research
Dept. of Geology, Bangalore Univ.	Research Fellow	16/8/79 - 05/2/80	Research
Dept. of Geology, Bangalore Univ.	Research Assistant	06/2/80 - 06/12/81	Research
P.G. Centre, Gulbarga Univ.	Lecturer	07/12/81 - 14/8/87	P.G. Teaching
KREC, Surathkal	Asst. Professor	18/8/87 - 12/5/96	U.G. Teaching
KREC/NITK, Surathkal	Professor	13/5/96 - 11/3/2015	U.G. Teaching
NITK, Surathkal	Sr. Professor	12/3/2015 to date	UG/PG Teaching

7. Administrative Responsibilities Held:

- Head of Civil Engineering Dept. 03/09/2014 to till date.
- Head, Department of Training, Placement & Students Welfare for 3 years from 2005 to 2008.
- Dean (Students Welfare) from 03.03.2008 to 30.09.2011.
- Chairman, Civil Engineering Division for 3 years from Aug. 2005 to Dec.2008.

- v. Head of Geology Section, from 1987 to 2009.
- vi. Chairman of Extra Curricular and Co-curricular activities for 1 year from 2004-2005.
- vii. Warden of NITK Hostels for 1 year.
- viii. Secretary of NITK English Medium School for 3 years from 2003-2006.
- ix. Coordinator of Center for 'Transfer of Technology to rural areas' for 2 years.
- ix Coordinator of Geology section from 1.1.2013 to date
- x Governing council member of NITK from 15.08.2011 to 15.08.2013

8. Papers Published:

Published 16 papers in National and International **Journals** and 40 papers in National and International seminar proceeding volumes.

9. Projects undertaken:

Completed:

- i. Principal Investigator of a project on "Evaluating the groundwater Potential and investigating for ideal groundwater recharge methods and sites in Dakshina Kannada district of Karnataka State", sponsored by Ministry of Human Resource Development, New Delhi.
- ii. Principal Investigator of a project on 'Evaluation of ground water potential using Geological and geophysical methods in Udupi Taluk, (D.K.), Karnataka', sponsored by U.G.C., New Delhi.
- iii. Co-Investigator of the project 'Integrated study of water Balance and Management of River catchment of Dakshina Kannada district, Karnataka State', sponsored by Ministry of water resources, Govt. of India.
- iv. Co-Investigator of the project 'Hazardous effects of salinity in coastal areas affecting crop yield', sponsored by Ministry of Water resources, Govt. of India.
- v. Chief coordinator of Rajiv Gandhi National Drinking Water Mission Project, K.R.E.C. sponsored by Ministry of Rural development, Govt. of India.
- vi. Chief coordinator of a project "Modernization of Geology Lab" sponsored by MHRD.

In Progress:

- Vii. Principal Investigator of the project ' Remote sensing (RS) and Geographical Information System (GIS) approach for the study of disaster due to lightning on earth resources and infrastructure', sponsored by DST(NRDMS), New Delhi.

10. Visits Abroad:

Country visited	Duration of Visit		Purpose of Visit
	(From)	(To)	
United Kingdom	6.2.1992	5.4.1992	To attend a training course on 'Groundwater Development', London, U.K.
South Africa	20.1.2003	1.2.2003	To attend and present a paper in 2nd IWRM Symposium at Stellenbosch University, Cape town, South Africa.
USA	24-06-2008	20-08-2008	Research interaction of Florida

Bangkok	14-01-2009	05-05-2009	Atlantic University, USA As Visiting Professor in AIT, Bangkok
Japan	01-03-2011	06-03-2011	To attend and present a paper in International Conference held at Kumamoto University, Japan

11. Membership of Professional Bodies:

- a) Member of Geological Society, Bangalore
- b) Member of Mineralogical Society, Mysore
- c) Life member of Indian Society for Technical Education, New Delhi

12. Other Achievements:

- a) Bangalore University Gold Medalist.
- b) Guided 3 Ph.D. Students successfully and guiding 2 Ph.D. Students, 2 JRFs working in DST Project will be registered for Ph.D. shortly.
- c) Guided 14 M.Tech. Students and guiding 2 M.Tech students.
- d) Carried out 2 major consultancy projects and other consultancy works.
- e) Was a member of National Board of Accreditation (NBA)
- f) Is a member of Senate, NITK
- g) BOE member of UPSC, Bangalore University, ISM Dhanbad, Kuvempu University, Mangalore University.
- h) BOS member of Kuvempu University, Mangalore University and NITK.
- i) External expert of purchase committee of dept. of applied Geology, Kuvempu Uni.
- j) Was Finance committee member of NITK
- k) Evaluated 7 Ph.D. Thesis
- l) Building Committee member of NITK.
- m) Building Committee member of Mangalore University
- n) Building Committee member of Dakshina kannada Nirmithi Kendra.
- o) Attended many refresher courses, workshops, seminars, chaired many technical sessions
- p) Delivered many key note addresses, guest lectures, special lectures.

List of Research Publications

International/National Journal Papers

1. Resistivity survey for groundwater location in Bangalore University campus area. Journal of Assoc. Explo. Geophy.1983, Vol.III, No.4, pp 35-39.
2. Geomorphological and geophysical studies of Vrishabhavathi basin in Karnataka. Journal of Hydrology, 1986. Vol III, No.4, pp.24-33.
3. Building and ornamental stones of Karnataka, Indian mining and Engineering Journal, Vol. 27, No.12, 1988.
4. Studies on infiltration characteristic in soils of Pavanje river basin of Dakshina Kannada district, Karnataka State. Hydrology journal of IAH, Vol.XIV, No.1, 1991, pp.33-40.
5. “Development of Digital Terrain Modelling using CARTOSAT- 1 Satellite stereo imagery. (A case study of Manipal city, Udupi District, Karnataka State, India)”. Published in International Journal of Earth Sciences and Engineering, ISSN 0974-5904, v.04, no. 4, 2012.
6. “Hydro geochemical Studies of Ground water along Coastal Region of Mulki- Udupi, Karnataka State, India”. Published in International Journal of Earth Sciences and Engineering, ISSN 0974-5904, v.04, no. 07-spl. Issue, pp. 326-332, 2012.
7. “Morphometric Evidences for Neotectonism in the Mulki River Basin of Coastal Karnataka, India”. Published in International Journal of Earth Sciences and Engineering, ISSN 0974-5904, v.04, no. 4, pp. 643-650, 2012.
8. Geomorphological and Hydrogeochemical studies of Pangala River basin, (D.K), Karnataka, Hydrology Journal of IAH, Vol.XIX (1), 1996, pp.33-43.
9. Nitrate in shallow dugwells of Udupi municipal area, Karnataka in the Journal of Indian Water Works Association, Mumbai.
10. Groundwater fluoride levels and health hazards, Udupi Taluk, Karnataka, India. Geoscience and Development, the journal of the Association of geoscientists for International Development, Vol. 4/5. 1996-97. pp.23-24.
11. Electrical resistivity survey for groundwater exploration in Udupi Municipal area Pub. in the Journal of applied hydrology, Vol XIII No.3 & 4 July, Oct 2000 pp 30-35.
12. The application of electrical resistivity survey for groundwater exploration in different terrains in Udupi Taluk, Karnataka, India Pub in the Journal of the Association of Geoscientists for international development, No. 6, Maya 2000, P.14-16.
13. Importance of Geology and soil survey for mobile communication site planning using RS/GIS, International Journal of Earth Sciences and Engineering”, Vol 1.3, No.1 – spl. Publications, Jan. 2010, pp 16-26.
14. An integrated approach of satellite remote sensing technology and GIS for the temperature study and its climate impact on environment of Mangalore taluk of Karnataka State, is accepted for publication in International Journal of Scientific and Research Publications. (May-2015 Edition)
15. A study on effects of telecom electromagnetic radiations on eco-system of the region using Geoinformation technology, is accepted for publication in International Journal of GeoInformatics, Thailand.
16. Investigating linkages between Electrical Resistivity and Physical characteristics of unsaturated soils. Publication of Journals of civil engineering and Environmental Technology vol.2, No. 13, 2015 PP 46-50.

International/National Conference Papers

1. Rainfall distribution and trend analysis of Sitanadi basin in Dakshina Kannada district of West Coast of India. In: Proc. of WMD/IAHS/ETH International Workshop on precipitation measurement. St.Moritz. Switzerland, 1989, pp.293-298.
2. Studies on groundwater quality and quantity in Pavanje river basin, Dakshina Kannada district, Karnataka State. In Proc. Of International conference on environmental planning and management, University of Roorkee, 1990, pp. 176-183.
3. Studies on water conservation for irrigation in coastal district of Karnataka state, In: Symposium of second Indian water resources society (IWRS), Bhopal 1989, pp.81-90.
4. Hydrogeological, Hydrogeophysical and Hydrogeochemical studies in Sandur area, Bellary district, Karnataka. In: Proc. Of National Symposium on Hydrology, Roorkee, 1987, Vol. II, pp.III-92.
5. Hydrogeological studies of water from Vrishabhavathi basin, Bangalore district, Karnataka. In: Proc. Of the National seminar on Groundwater Development of Coastal tracts, Trivandrum, 1988. pp. 5-71-76.
6. Impact on environment due to mining activities in Sandur area, Bellary district, Karnataka state - a case study. In. Proc. of National Seminar on recent developments in art and science of mining, Surathkal, 1998, pp. 141-144.
7. Studies on water balance and management in Sitanadi basin of the westernghats region. In: Proc. of 58th R&D session of CBIP, April, 1993, Bangalore, pp89-95.
8. Studies on water quality, soil fertility, soil-water-crop compatibility in selected river basins of Dakshina Kannada district of Karnataka. In: proc. of 58th R&D session of CBIP, Bangalore, 1993, pp. 158-162.
9. A correlative study of aerial MSS imageries and ground truth around Chitradurga in Karnataka, in: Proc. ISRO responding working group meeting on remote sensing.
10. Monthly rainfall-run-off model for Sitanadi basin, Westernghats region. In: Proc. of Third National Symposium on Hydrology. Central water and power research station, Pune pp. 22-29.
11. Assessment of Groundwater Potential and Quality in some selected villages of Dakshina Kannada District – A case study. MIT Technical Review, Vol. No.5, Dec. 1995, pp. 81-87.
12. Application of Electrical Resistivity method of groundwater exploration in hard rock terrain, KREC research bulletin. Vol.4 No.2, Dec.1995, pp.6-12.
13. A study on the commercially exploitable granites and dolerites of Udupi Taluk, (D.K) Karnataka State. In: Proc. of National Conference on Granite Mining, KREC, Surathkal, 1996, pp. 26-30.
14. A study on the impact of urbanization and human activities of groundwater in Udupi municipal area, (D.K), Karnataka; In: proc. symposium on Earth Sciences in Environmental Assessment and Management 1996. Geol Surv India Spl 48 (1), pp. 185-196.
15. Quality of Groundwater in southern part of Udupi Taluk, Udupi, Karnataka. Pub. KREC research bulletin.
16. The relevance of termite mound as a supplemental tool to electrical resistivity method for locating groundwater occurrence in hard rock terrain – A case study, extended abstract published in extended abstracts volume of 2nd congress on Traditional Sciences and Technologies of India. Water 8-3, Dec. 1995, Anna University, Madras.
17. Some principle and methods for mineral exploration: An overview. In: proc. National Seminar on Emerging Technology in surface mining and environmental challenges, KREC, Surathkal, 1997, pp.63-66.
18. Quality of groundwater in coastal region of Udupi Taluk-problems and some mitigative measures. M.I.T. Technical review, Vol. No.6, May 1997, pp.93-100.

19. Groundwater quality assessment in hard rock areas of Udupi, (D.K), Karnataka Pub. in proced, Vol of National Seminar on Hydrogeology of Precambrian terrains and hard rock areas, Karnataka University, Dharwad, 1997, pp 96-106.
20. Groundwater Development in Udupi Taluk, coastal Karnataka Pub. in proced Vol. of the workshop on Groundwater Monitoring development and management organized by CGWB at I.I.Sc., 2000, pp 159-163.
21. "Integration of Stereo-image products and spatial data for telecom planning in and around Udupi, Karnataka State". Proceedings of the 13th International Conference on Geospatial Information Technology and Applications, published in Journal of Map India – 2010.
22. "Importance of Geology and soil survey for mobile communication site planning using RS/GIS, Proceedings of the International Conference on Infrastructure Development on Expansive Soils, INDEX-09, Adhiyaman College of Engineering, Hosur, Tamil Nadu pp 561-570.
23. Use of Remote Sensing data, Geophysical data sets and Web GIS techniques for development of Soil information system of Udupi District., Proceedings of the International Conference of the Infrastructure Development on Expansive Soils, INDEX-09, Adhiyaman College of Engineering, Hosur, Tamil Nadu pp 551-560
24. Integration of Remotely sensed data and Geophysical data sets for Engineering Site characterisation of Mobile Networks of Udupi District., Proceedings of the National Conference on present and future trends in Marine and Geophysics, Mangalore University
25. Use of remote sensing, Geophysics and WebGIS Techniques for development of Ground Water Information System of Udupi District., Proceedings of the National Conference on present and future trends in Marine and Geophysics, Mangalore University
26. The Role of Remote Sensing and GIS for enhancing Agricultural Economy – Case study of Udupi District., UGC Sponsored National Seminar on Relevance of ICT in Agriculture, S.D.M. College , Ujire
27. Geospatial analysis for cellular mobile communication using RS and GIS Technology, Proceedings of the National Conference on Climate change and Coastal eco systems with special session on planetary Geomatics, Geomatics – 2010, SAC, Ahmedabad, India
28. "Rehabilitation Studies on an Abandoned Traditional Rainwater Harvesting Structure", Proc. National Conference on 'Recent Trends and Challenges in Civil Engineering (RTCCE-09)' held at Kavikulaguru Institute of Technology & Science, Ramtek, Maharashtra during 18-19, Dec. 2009.
29. "Integrated Approach for Hydrogeochemical studies of Mulki river basin, Coastal Dakshina Kannada Districts of Karnataka', Proc. National Conference on "Sustainable Water Resources Management (SWaRM 2010)' held at National Institute of Technology Karnataka, Surathkal during 7-9th Jan. 2010.
30. "Feasibility Studies for Sustainable Development on Water Resources" Proc. National Conference on "Sustainable Water Resources Management (SWaRM 2010)' held at National Institute of Technology Karnataka, Surathkal during 7-9th Jan. 2010.
31. "Remote Sensing and GIS Techniques for Delineation and mapping of Microwatersheds and Traditional Rainwater Harvesting Structures in Mulki River Basin for Sustainable Development". Proc. National Conference on "Sustainable Water Resources Management and Impact of Climate Change (SWRM 2010)' held at Birla Institute of Technology and Science – Pilani, Hyderabad campus during 5-6 March 2010.
32. A preliminary study of laterite of coastal Karnataka, KREC research bulletin, vol. 12, No.2, 1993, pp14-20
33. Signal strength measurements and coverage estimation of mobile communication network using IRS-IC multispectral and CARTOSAT-1 stereo images; Pub. in Proc. Vol. of International Geospatial world Forum, 2011.

34. Geospatial analysis for the deployment of rural wireless broadband telecom services using Geo-Information Technology, pub. in Proc. Vol. of 14th International conference of India Geospatial forum, 2012, New Delhi
35. Electrical Resistivity Applications-A versatile testing technique in Civil Engineering, pub.in Proc. vol. of First Annual Conference on Innovations and developments in Civil Engineering, 2014, NITK, Surtahkal, India.
36. Applications of Geo-Informatics and Electrical resistivity survey for the study of disaster impact on earth resources due to lightning (A case study of Udupi District, Karnataka State) pub. in Proc. Vol. of 17th International conference of India Geospatial forum, 10-12 February, 2015, Hyderabad.
37. Electrical Resistivity applications - a versatile testing technique in civil engineering, pub. in proceeding vol. of Annual Conference on innovations and developments in civil engineering held at NITK, Surathkal, 2014
38. Investigating linkages between electrical resistivity and physical characteristics of unsaturated soils. pub. in proceeding vol. of Recent Advances in civil Engineering, Architecture and Environmental Engineering for sustainable development, JNU, New Delhi, July 2015.
39. Evaluation of Groundwater Potential zones and Identification of sites for Water Harvesting Structures in Kogganuru Mini-Watershed, Davangere District, Karnataka - Remote Sensing and Geographica Information System approach pub. in proceeding vol. of National Seminar on Earth Resources Assessment and Management, 2015.
40. Estimation of overburden and delineating bedrock using Electrical Resistivity technique - A case study of New Mangalore Port Trust site, Mangalore, Karnataka, India. Pub. in proceeding vol. of National Seminar on Earth Resources Assessment and Management, 2015.