

CURRICULUM VITAE

Dr. BASAVANAND M DODAMANI

Associate Professor

Department of Applied Mechanics & Hydraulics

National Institute of Technology Karnataka,

Surathkal – 575 025

Mangalore, INDIA

E –mail : mani@nitk.ac.in and bm.dodamani@gmail.com

Tel:+91 0824 2473311 (O)

+ 910824 2474311 (R)

Mobile ; +919448773416

Fax :+910824 2474033

Professional Education

- **PhD, Water Resources Engineering**

Thesis title: 'Groundwater Assessment & Management of Cosatal Aquifer System' National Institute of Technology Karnataka, India, 2008.

- **Master of Engineering, Water Resources Engineering**, Karnataka Regional Engineering College Surathkal, University of Mangalore, India, 1995.

- **Bachelor of Engineering, Civil**, B.V.B. College of Engineering Hubli, India, 1991.

Technical Areas of Specialization

Hydraulics, Fluid Mechanics, Water Resources Engineering, Surface Water Hydrology, Ground Water Hydrology, Irrigation & Drainage Engineering, Design of Hydraulics Structure

Professional experience

Lecturer	KREC Surathkal	1997
Senior Lecturer	KREC Surathkal	2002
Selection Grade Lecture	NITK Surathkal	2007
Asst. Professor	NITK Surathkal	2008
Assoc. Professor	NITK Surathkal	2010

Courses Taught

- Engineering mechanics (Graduate)
- Strength of materials (Graduate)
- Surface Water Hydrology (Graduate)
- Fluid Mechanics (Graduate)
- Water Conveyance Systems (Graduate)
- Hydraulic Machines & Water Power(Graduate)
- Groundwater Hydrology (Post-Graduate)
- Design of Hydraulics Structure (Post-Graduate)
- Irrigation & Drainage Engineering (Post-Graduate)

Professional Membership

ISH, ISTE, ACCE

Publication

- 1) M. K. NAGARAJ , SUBHASH C. YARAGAL, **B. M. DODAMANI** and B. C. YOGANANDA, “Prioritisation of Micro-Water Sheds Based on Soil Thematic Mapping”, International Journal of Earth Sciences & Engineering (ISSN 0974-5904), Vol 02(3) July2009, pp 253-263.
- 2) SUBHASH C. YARAGAL , M. K. NAGARAJ , B. C. YOGANANDA and **B. M. DODAMANI**, “APPLICATION OF UNIVERSAL SOIL LOSS EQUATION (USLE) IN MICRO-WATER SHEDS – A CASE STUDY OF THE KUDREMUKH NATIONAL PARK AREA, KARNATAKA, INDIA”, International Journal of Earth Sciences & Engineering (ISSN 0974-5904), Vol 02(6) : Dec 2009, pp 576-587.
- 3) **B.M.Dodamani** and Shweta“ Comparative analysis of ET_o using AWS data” , International Journal of Earth Science & Engineering, Vol.05 No 4(02) 2012, pp 1015-1019

Conferences/Seminars:

- 1) Lakshman Nandagiri and **B.M.Dodamani** (1995), “Development and testing of a catchment rainfall – Runoff model”, National Conference on Signals, Data and System Modelling, Simulation and Analysis held in Bhatkal on November 28-30,1995, pp 4-8.
- 2) M.K.Nagaraj Mahesh.A and **B.M.Dodamani** (2002) “Spatial Variability of Aquifer Parameters in a Regional Ground Water System”, proc.of National Conference on Hydraulics and Water resources and ocean Engg - HYDRO 2002, IIT Bombay, pp 151-153.
- 3) **B.M.Dodamani** Mahesh.A M.K.Nagaraj(2003), “Ground Water Quality Monitoring in Aquifer Management : A case study ” , II International Conference on Water Quality Management , CBIP, New Delhi, pp 152-154.
- 4) M.K.Nagaraj Mahesh.A and **B.M.Dodamani** (2003), “ Draft Operation Policy in a Regional Groundwater System”, XXII International Seminar on “ Watershed Development” with a special colloquium on DRINKING WATER SUPPLY IN SAARC COUNTRIES at Vikshapatnam, India.
- 5) **B.M.Dodamani** M.K.Nagaraj Mahesh.A (2003), “Aquifer Zonation based on electrical resistivity test ”, proc.of National Conference on Hydraulics and Water resources and ocean Engg - HYDRO 2003, CWPRS Pune, pp 152-154.
- 6) Dwarakish.G.S., Usha Nateshan, D.Venkata Reddy and **Dodamani.B.M** (2004), “ Sediment Dynamics along Mangalore coast through sediment trend matrix analysis (STMA)
- 7) Ashish Saxena , Praveen Gadag and B.M.Dodamani, “Estimation of runoff using SWMM model for a small catchment in NITK”, International Conference & Exhibition on Water, Wastewater & Isotope Hydrology (ICE-WWISH 2013), 25-27th July 2103, pp 134-138.
- 8) Ashish Saxena & B.M. Dodamani, “Generation of intensity duration frequency curve for Mangalore and Udupi District of Karnataka by using hourly rainfall data”, International Conference & Exhibition on Water, Wastewater & Isotope Hydrology (ICE-WWISH 2013), 25-27th July 2103, pp 148-153.
- 9) Adarsh Koti and B.M.Dodamani , “Spatial & temporal analysis of rainfall pattern over western ghat of Karnataka”, National conference on New Horizons in Civil Engg.- NHCE2013, M.I.T. Manipal, 2013, pp 736-744.

- 10) Avin J Kajekar, B.M. Dodamani, Arun Isloor, & Rajesh A “Synthesis and characterization novel PVDF/ Nanofibre membrane and its possible applications for heavy metal rejection”, 11th International Conference on Membrane Science and Technology 2013, Kualalampur 27th-29th August 2013.
- 11) B.M.Dodamani and Arun Kumar Shetty, ‘ Profile of technical Education facilities and employment scenario in karnataka State’, National Seminar on “Employability of Fresh Engineering Graduates in the era of Globalisation: Problems and Prospects” held at Kochi on 24th & 25th January 2012.
- 12) B.M.Dodamani & Shwetha ‘ Comparative analysis of ET_o using AWS data’, 2nd International symposium –IES 2012 held on March 5-7,2012 Kumamoto University Japan.C2-2,pp1-7.

Courses / Events Organised

- 1) Coordinator for a summer school on “ Water resources Development and Management ”, held during 28 July – 8 August 2008, at Applied Mechanics Department, NITK, Surathkal.
- 2) Coordinator for a short term refreshers course on “Design, Operation and Maintenance of Canals”, held during 20-24 October 2008, at Applied Mechanics Department, NITK, Surathkal. The course conducted under CCE and sponsored by Engineering Staff College Krishnarajgar.
- 3) Coordinator for a STTP at NIT Gao on “ Effective Teaching Methodologies (ETM) ”, held during 13th to 17th June 2011 at NIT Gao.
- 4) Coordinator for a “Professional Skill Enhancement Program” held for final B.Tech/M.tech SC/ST students of NITK for the years 2011, 2012 & 2013.
- 5) Coordinator for a “ Self Enrichment Program” held for first year B.Tech SC/ST students of NITK, 2013.
- 6) Coordinator for a “Personal Empowerment” held for first year M.Tech SC/St students of NITK, Jan 18-19th 2014.

Other professional Activities

- Member Board of Studies: Bangalore University
- Visits Abroad: Australia 2008, Japan 21012, Malaysia 2013 .
- Counsellor for courses on Engineering Mechanics, Strength of Materials, Fluid Mechanics and Water Resources Engineering of the Indira Gandhi National Open University
- Working as a Warden of VIIIth Block.
- Working as Project Officer at NTMIS Nodal center.
- Served as Executive member of Students Co-operative Society.