



**DR. M.CHANDRASEKHAR**

**Professor**

**Department of Civil Engineering**

**National Institute of Technology, Warangal - 506004, Telangana, INDIA**

**Specializations** River Water Quality management, Waste Treatment, Environmental management

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: **Interests:** Water Quality Management, Solid Waste Management, Environmental Impact Assessment, Air Quality models

**Specializations** River Water Quality management, Waste Treatment, Environmental management

**Title of Thesis** IMMISSION APPROACH FOR MODELLING DISSOLVED POLLUTANTS IN A RIVER FOR SEPARATION OF POINT AND NON-POINT LOADS

**Message**

**Course Taught Previously**

Environmental Engg (Water Supply & Treatment)

Environmental Engg (Wastewater Treatment)

Environmental Impact Assessment

Environmental Studies

Environmental Impact Assessment

Water Quality Management

Water Treatment Systems

Environmental Systems Engineering

Solid Waste Management

Ecology, Microbiology and Env. Chemistry

Air Pollution & Control

Industrial Waste Treatment

### **Courses Currently Being Taught**

Air Pollution and Control

Industrial Waste Management

Environmental Impact Assessment

Solid & Hazardous Waste Management

Industrial Wastewater Treatment

### **Journal Publication Details**

#### **JOURNALS**

1. Bob Pears, I, and , M. Chandra Sekhar (2016) - The Pathetic Condition of Hussain Sagar Lake Increasing of Water Pollution after Immersion of Ganesh-Idols in the Year-2016, Hyderabad, Telangana, India, International Journal of Research in Engineering and Applied Sciences (IJREAS), 6 Issue 10, October - 2016, pp. 136~143 ISSN(O): 2249-3905, ISSN(P) : 2349-6525 | Impact Factor: 6.573 | Thomson Reuters ID: L-5236-2015
2. Shiva Kumar, Juwel Bharadwaj, P. Lakshmi Sruthi and **M. Chandra Sekhar** (2016) - Removal of Ammonia Nitrogen (NH<sub>4</sub> -N) from Landfill Leachate by Chemical Treatment, Indian Journal of Science and Technology, Vol 9(30), ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
3. **Chandra Sekhar, M.** (2015), Assessment of Pollution in Lakes Drained by Urban Catchment, International Journal of Environmental Engineering IJEE, Volume 2 : Issue 1 [ISSN : 2374-1724], pp.136-139.
4. **Chandra Sekhar, M.** and N. V. Umamahesh, (2014), Modelling Dissolved Pollutants in Krishna River Using Adaptive Neuro Fuzzy Inference Systems, Journal of Institution of Engineers, Series A, Digital Object Identifier (DOI) 10.1007/s40030-014-0064-0
5. **Chandra Sekhar, M** and Surender Reddy K (2013) *Regression Models for Prediction of Water Quality In Krishna River*, Journal of Energy Technologies and Policy www.iiste.org ISSN 2224-3232 (Paper) ISSN 2225-0573 (Online) Vol.3, No.11, pp. 178-181, Special Issue
6. Venkatesham, **M. Chandra Sekhar**, T.Bala Narsaiah, RS.Dave (2013), "Municipal Solid Waste Management - A Review" ,Journal of the Institution of Public Health Engineers, India, Vol. 2013-14, No. 2, July 2013 pp 36-42.

#### **Reviewed Articles**

1. **Chandra Sekhar, M.** and N. V. Umamahesh (2002). *Impact of Monsoon rainfall on Stream Water Chemistry*, Water Resource Management in Arid Regions, Singh. V.P. et al. (eds.), Balkema Publications, Vol.3, pp. 3-11.
2. **Chandra Sekhar, M.** (2002). *Modelling Dissolved Oxygen Profiles in a River*, Water Resource Management in Arid Regions, Singh. V.P. et al. (eds.), Balkema Publications, Vol.3, pp. 13 -18.

3. **Chandra Sekhar, M.** & K. Chakravarthy (2001). *Coal and Clay Minerals for removal of Zinc*, Advances in Environmental Materials, White, Stegemann (eds.), Material Research Society, Vol. II, pp. 151-156.
4. **Chandra Sekhar, M** (2000). *Non-Point Source Pollution Trends in an Urban Groundwater Area*, Groundwater 2000, Bjerg (eds.), Balkema Publications, 489-490.
5. **Chandra Sekhar, M.** (1998). *Management of Lake Catchment - Towards Sustainability*, Water Quality & its Management, CVJ Varma (eds.), Balkema Publications, 115-119.

## INTERNATIONAL CONFERENCES

1. Shamma Damani and **Chandra Sekhar M**, (2015), Fluoride removal in water using low cost locally available industrial wastes, International Conference on Environment and Ecology (ICEE-2015) March 2-4, 2015, Kolkata (INDIA)
2. Binay Kumar Tripathy, and **Chandra Sekhar M** (2015), Catalytic oxidation of waste water using hydrogen peroxide and flyash as catalyst, International Conference on Environment and Ecology (ICEE-2015) March 2-4, 2015, Kolkata (INDIA)
3. M Chandra Sekhar and Mahesh, (2015), Probability studies for assessment of dissolved oxygen profiles in Krishna river, International Conference on Chemical, Environmental and Biological Sciences (CEBS-2015) March 18-19, 2015 Dubai (UAE).
4. **Chandra Sekhar, M** and S.V.N.Vamsi, (2015), Performance Analysis of a Ceramic Microfiltration Membrane, International Conference on Environment and Ecology (ICEE-2015) March 2-4, 2015, Kolkata (INDIA)
5. Venkatesham, **M. Chandra Sekhar**, T. BalaNarsaiah (2014) Assessment of the quality of Windrow composting produced from Municipal solid resource (waste) - 4th International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean technology January 28-30, 2014 at Hyderabad, India

## Awards/Honours

1. Developed online course content for two subjects under Pedagogy Project of MHRD, Govt of India.
2. Awarded Subject Prize instituted by Ministry of Water Resources, Govt of India, for the Paper titled **Modelling Dissolved Pollutants in Krishna River Using Adaptive Neuro Fuzzy Inference Systems** (published in the Series *Journal of IEI*, Vol. 95, Issue 1) at the 30th Indian Engineering Congress, Guwahati (2015)
3. Appointed as One Man Committee Member by National Green Tribunal.
4. Offered Scholarship under **Heritage Erasmus Mundus Action 2 Project** on Staff Mobility at Warsaw University of Technology, Poland, 2014.
5. Invited for **International Consultative Training Workshop** on **Participatory Management of Natural Resources in Arid and Semi-arid Lands**, 9 - 23 December 2011, Tehran, Iran
6. Member of **Divisional Advisory Committee**, EMD, Engineering Staff College of India, Hyderabad
7. Nominated by MHRD, Gol for **Technical & Vocational Education Training (TVET) program at Singapore, March 2011.**
8. Authored a text Book titled **Environmental Science**, Published by Hitech Publishers.
9. Coordinated several **Workshops and Summer Schools** and delivered lectures as Resource Person.

10. Invited to teach a course on Environmental Engg. at the **Prestina Summer Univ.** (2002).
11. Invited for participation in the **World Wide Water - Junior Environmental Scientists (WWW JES) Workshop** at the University of Water, **Paris** (May 21 - 25, 2002)

## **Additional Responsibility**

- Registrar, NIT Warangal
- Chairman, Games Committee, NIT Warangal
- Head, Water & Environment Division, NIT Warangal
- Professor Incharge, Training and Placements, NIT Warangal
- Director (Academic Affairs) Functional head of Academics Division.
- BOS Member for JNTU, Anantapur, Hyderabad and Kakinada, Kakatiya University, Warangal, Vignan University, Guntur Member for Expert Committee on Environmental Flows of Krishna & Godavari rivers.
- Governing Body Member for few Engineering Colleges Member, DAC, Engineering Staff College of India
- Faculty Incharge of Water & Drainage facilities, Environmental Engineering Laboratory, Consultancy of Water & Environment Division.