



Curriculum Vitae of **Dr. S. MOHAN**

Professor
Environmental and Water Resources Engineering
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai – 36
INDIA
(smohan@iitm.ac.in)

Address for Communication:

Department of Civil Engineering
Indian Institute of Technology Madras
Chennai – 600 036
India

Phone: Cell : 94448 - 37600
Office : 91-44 -2257 4261
Residence : 91-44 -22576261
e-mail : smohan@iitm.ac.in; smohan1959@gmail.com

Permanent Address:

1420, Sundarapuram 1st St.
Teachers Colony Road
Thanjavur-613006.
Tamilnadu, INDIA.

I. Education

Indian Institute of Science, Bangalore, India	560 012.	Ph.D. (Water Engg.),	1987
Indian Institute of Science, Bangalore, India	560012.	M.E. (Distn.), (Civil Engg.),	1983
Madurai Kamaraj University, Madurai, India	625 021.	B.E. (Distn.), (Civil Engg.),	1981
		(Third Rank at University Level)	

II. Profession & Employment

- Professor, Dept. of Civil Engg., Indian Institute of Technology, Madras, (Sept. 2000 onwards)
(Scale of Pay: Higher Administrative Grade (HAG); Basic pay of Rs.2,13,000 with effect from June 2017 onwards)
- Director, National Institute of Technical Teachers Training and Research, Chennai (May 2009 – October 2014)
- Head, Dept. of Civil Engg., Indian Institute of Technology, Madras, (2004 – 2008)
- Associate Professor, Dept. of Civil Engg., Indian Institute of Technology, Madras, (1996 to 2000).
- Visiting Scientist, School of Civil & Environmental Engg., Cornell University, Ithaca, New York, USA, (1994-1995).
- Assistant Professor, Dept. of Civil Engg., Indian Inst. of Technology, Madras. (1991 - 1995).
- Lecturer, Dept. of Civil Engg., Indian Institute of Technology, Madras (1987 - 1990)

III. Administrative Experience

- ❖ **Chairman**, State Level Expert Appraisal Committee (SEAC) for Tamilnadu, Ministry of Environment, Forests & Climate Change (MoEF&CC), since October 2018.
- ❖ **Independent Director**, Tamilnadu Small Industries Development Corporation Limited (TANSIDCO), Chennai, since June 2018.
- ❖ **Director**, National Institute of Technical Teachers Training and Research, Chennai (May 2009 – October 2014)
- ❖ **Warden**, NITTTTR Hostel, since May 2009 – till date
- ❖ **Head, Dept. of Civil Engg.**, Indian Institute of Technology, Madras, (Nov. 2004 – Feb 2008)
- ❖ **Head, Environmental and Water Resources Engineering Division**, Department of Civil Engineering, Indian Institute of Technology, Madras, Chennai -36 (1997-2000).
- ❖ **Member**, Grievances Redressal Committee, IIT Madras, 2001-2007
- ❖ **Nominated member**, IIT Madras Campus Educational Society, 1996-98
- ❖ **Warden, Krishna Hostel**, IIT Madras, since, Dec. 1999- Jan. 2003.
- ❖ **Liaison Officer**, IIT Madras (2002-2005).
- ❖ **Advisor**, Foreign Students, IIT Madras (2002 - 2005).
- ❖ **President**, Staff Club, IIT Madras (2003-2005)
- ❖ **President**, German Returnees Association, Chennai, (2006-2008)
- ❖ **Faculty Advisor** for many B. Tech and M. Tech batches.

IV. Research Areas of Interest

- **Environmental Engineering:**

Water Quality Modeling, Air Quality Modeling, Water Treatment, Wastewater Treatment, Solid Waste Management, Environmental Systems Analysis, City Water Planning and Analysis, Environmental Impact Assessment, Sustainability Engineering

- **Water Resources Management:**

Reservoir Operation, Multi-objective Analysis, Flood and Drought Management; Sustainable development, Climate Change and its Adaptation, Evolutionary Algorithms and their Applications

- **Groundwater Assessment and Management**

Multi Aquifer Modeling, Artificial Recharge Studies, Contaminant Transport Modeling, Regional Groundwater Modeling.

V. Honors and Awards

- Awarded **Certificate of merit for the Best Paper** among the paper presented in the National Conference on Carbon Sequestration and Climate change mitigation (CSCCM 2017) for the paper “Waste Management Strategies in Germany: An overview” held between 2nd & 3rd November 2017 at Pondicherry Engineering College, Puducherry.
- Awarded **Certificate of merit for the Second-Best Paper** among the paper presented in the National Conference on Carbon Sequestration and Climate change mitigation (CSCCM 2017) for the paper “Carbon Footprint for Textile Common Effluent Treatment plant in Tamilnadu” held between 2nd & 3rd November 2017 at Pondicherry Engineering College, Puducherry.
- Awarded **Certificate of Excellence** from IRAJ Research forum for the paper “Effective Waste Treatment & Disposal by Operating Open Dumpsites as Bioreactors” held on 11th June 2017, Technoarete International, Chennai.
- Awarded the **John Penny Cuick Eminent Engineer Award** for the notable contributions in the field of Water Resources by Association of Consulting Civil Engineers (India), Madurai Centre on 14th October 2014.
- Awarded the **Top Achievers Award** for the notable contributions in the field of Civil Engineering by Thiagarajar college of Engineering Alumini Association, Chennai on 11th November 2013.
- Awarded the **IAAP-PPA Best Educationist Award 2012** by the Pondicherry Psychologists Association & Indian Association of Applied Psychology, March 2013.
- Awarded the “Honorary Member” of **Association for Promoting Sustainability in Campuses and Communities” (APSCC)**, Pondicherry, July 2012.
- Awarded the **Best Educationist Award** for outstanding achievements in the field of Technical Education by Indian Solidarity Council, New Delhi, March 2010.
- Awarded the **Eminent Educationist Award** for the notable contributions in the field of Technical Education by National and International Consortium, New Delhi, August 2009.
- Awarded the title **Leading Engineers of the World** by International Biographical Centre, Cambridge, London for Notable Contributions in the arena of Civil Engineering, Environmental and Water Resources Systems, and Water Resources Engineering from 2007.
- Awarded the **Fellow of Institution of Public Health Engineers (India)** for the notable contributions in the field of Public Health engineering, in Feb. 2007.
- Awarded the **Shiksha Rattan Puraskar** award by the **India International Friendship Society, New Delhi** for Outstanding Services, Achievements and Contributions in the field of Water, in February 2007.
- Awarded the **Fellow of Indian Water Works Association** for the notable contributions in the field of Water Supply and Management, in January 2007.
- Awarded the **Certificate of Merit for the Best paper** among the papers presented in the National Conference on Environmental Conservation (NCEC-2006), held between September 1-3, 2006, at Birla Institute of Technology and Science, Pilani.
- Awarded the **Union Ministry of Water Resources - Dept. of Irrigation Medal** by Institution of Engineers (India) for the paper " Comparative Study on Multisite Stream

flow Generation Models: HEC4 and ANN”, published in the *Journal of Institution of Engineers (India)* during the year 2006.

- Awarded the **Fellow of Indian National Academy of Engineering** for the notable contributions in the field of Civil Engineering, during the year 2005.
- Awarded the **Fellow of Indian Water Resources Society** for the notable contributions in the field of Water Resources from December 2005.
- Awarded the **Rekha Nandi and Bhupesh Nandi Medal** by Institution of Engineers (India) for the paper "*Modeling of Pollutant Transport in Groundwater*", published in the *Jl. of Institution of Engineers (India), Environmental Engineering Division* during the year 2005.
- Awarded the **Surendernath Mukherjee Memorial Medal** by Institution of Engineers (India) for the paper "Crop water Requirements in Command Area – A Comparative Analysis", published in the *Jl. of Institution of Engineers (India)* during the year 1999.
- Biography has been incorporated in "**Who's Who in the World**", 15th Edition 1998 onwards, published by **Marquis Who's Who**, New Providence, New Jersey, USA.
- **Best paper award** from Indian Water Works Association for the paper "Computer Aided Process Design of Reverse Osmosis Plant" for the year 1997.
- Awarded "**Indo- US Science and Technology Fellowship**" by United States Agency for International development (USAID) and Department of Science and Technology for the Collaborative research at Cornell University, New York for a period of one year (1994).
- Awarded "**Young Engineer**" for notable contribution in the field of water resources by the Central Board of Irrigation and Power, Government of India in April 1993.
- Awarded "**Certificate of Merit**" by the Central Board of Irrigation and Power for the Paper "An Optimization Model for Drought Management" for the year 1993.
- Awarded **DAAD fellowship**, Germany for the study visit to Ruhr University, Bochum, during May -Aug.1993.
- Awarded "**Certificate of Merit**" by the Central Board of Irrigation and Power for the paper "Comparison of Models for Evapotranspiration Estimation" for the year 1991.
- **Best paper award** from Indian Water Works Association for the paper "Time series Analysis of Water use data of a Metropolitan City" for the year 1991.
- **Dorr Oliver award** from Indian Water Works Association for the best paper "Simulation Study of Madras City Water Supply System" published in the *Journal of IWWA* in the year 1990.
- **Best paper award** from Institution of Engineers (India) for the paper "An Optimization Model for Solid Waste Management" for the year 1988.

VI. Participation in Scientific and Professional Societies

- **Chairman**, International Water Association (India)
- **Fellow**, Institution of Engineers (India).
- **Fellow**, Indian Geotechnical Society. (LF-0521) (Since December 2014)
- **Fellow**, Indian National Academy of Engineers (Since 2005)
- **Fellow**, Institution of Public Health Engineers (India) (LF-522)
- **Fellow**, Indian Water Resources Society. (F-2005-1185)
- **Fellow**, Indian Water Works Association.
- **Fellow**, Indian Association of Structural Engineers (F-211)
- **Member**, International Water Association.
- **Member**, International Water Resources Association, Washington

- **Member**, International Association of Hydrologists, UK
- **Member**, Indian Association for Environmental Management.
- **Member**, Indian Association for Water Pollution Control. (LM-405)
- **Member**, Indian Association for Air Pollution Control.
- **Member**, Indian Association of Hydrologists.
- **Member**, Indian Society for Technical Education. (LM-9572)
- **Member**, Indian Association of Aquatic Biologists (LM 607/2008)
- **Member**, American Society of Agricultural and Biological Engineers.
- **Editor**, International Journal of Technical and Vocational Education, Chennai (ISSN-0971-8508)
- **Editorial Board Member**, International Conference on Architecture and Civil Engineering, 2013. USA
- **Editorial Board Member**, American Journal of Remote Sensing, Science Publishing Group, USA
- **Editorial Board Member**, International Journal of Civil Engineering Science, Springer Ltd., UK
- **Editorial Board Member**, International Journal of Water Resources and Environmental Management (IJWREM)
- **Editorial Board member**, International Journal of Performability Engineering
- **Editorial Board member**, Indian Journal of Engineering, Science, and Technology
- **Editorial Board member**, Journal of Applied Sciences Research
- **Editorial Board member**, Australian Journal of Basic and Applied Sciences
- **Editorial Board member**, Journal of Agriculture and Biological Sciences
- **Editorial Board member**, International Journal of Engineering and Technology
- **Editorial Board member**, International Journal of Environmental Pollution & Toxicology
- **Editorial Board member**, International Journal of Engineering, Science and Technology
- **Editorial Board Member**, Journal of Engineering, Science & Management Education
- **Editorial Board Member**, International Journal of Constructive Research in Civil Engineering (IJCRCE)

VII. Service to Institute, State, Country or Profession

- ❖ **Expert Member**, Zero Liquid Discharge Committee, Tamilnadu Pollution Control Board, Government of Tamilnadu. (since January 2019)
- ❖ **Expert Member**, Environmental Audit Committee, Tamilnadu Pollution Control Board, Government of Tamilnadu. (since January 2019)
- ❖ **Appointed as a Member** in the Monitoring Committee by High Court Madras, Chennai for assessment of impacts of sand mining on groundwater, agriculture and the surrounding environment including Flora & Fauna in Cauvery river at Mohanur, Namakkal dist., Kollidam river at Vilangudi Taluk, Kollidam river at Thirumanur, Ariyalur dist., Vettar river at Valkai, Thanjavur dist., and Araniyar river at Uttukottai village in Chennai district.
- ❖ **Member**, Expert Committee for Project Review in the area of “Sanitation and Waste Recycling”, Biotechnology Industry Research Assistance Council (BIRAC), Dept. of Biotechnology, Govt. of India, since Sept. 2017.
- ❖ Appointed as a **Single Member Committee** by the Arbitral Tribunal headed by Supreme Court Judge for the Assessment of Current Status for the Solid-waste Processing Unit, at Madurai. (November 2015 to February 2016).

- ❖ Served as a **Lead member** in the Two-member committee appointed by National Green Tribunal, Southern Zone, Govt. of India, to assess the status of Wastewater discharge in Hussain sagar Lake in Hyderabad. (July to November 2015)
- ❖ **Chairman, Peer Review Committee**, Department of Civil Engineering, National Institute of Technology, Calicut, Kerala (November 2015)
- ❖ **Chairman, Peer Review Committee**, Department of Civil Engineering, National Institute of Technology, Tiruchirapalli (October 2015)
- ❖ **Chairman, Academic Audit Committee**, SCAD Institutions, Tirunelveli (since August 2015).
- ❖ **Chairman, Board of PG Studies**, Kollam Cluster, TKM College of Engineering, Government of Kerala, Kollam, Kerala (since November 2014).
- ❖ **Chairman, Technical Advisory Committee**, Municipal Corporation of Greater Mumbai, (since January 2010 onwards)
- ❖ **Chairman, Board of Governors**, Rajiv Gandhi Institute of Engineering and Technology, Government of Kerala, Kottayam, Kerala (since August 2010).
- ❖ **Chairman**, Applied Research and Development Council, Tamilnadu Pollution Control Board, Chennai. (from Oct. 2007 onwards).
- ❖ **Member**, All India Board of Technical Education, AICTE (since February 2013)
- ❖ **Member**, Program Advisory Committee on Environmental Research Programmes, Ministry of Environment and Forests, Govt. of India. (since October 2011).
- ❖ **Member**, High Level Committee on “Direct To Home (DTH)” the NMEICT Program, Ministry of Human Resources Development, Govt. of India. (since September 2012).
- ❖ **Member**, AICTE Southern Regional Committee (August 2010-October 2014)
- ❖ **Member**, Single Source Committee on Establishment of Technology Demonstration Sector, Tamilnadu Pollution Control Board. Govt. of Tamilnadu (Since September 2012)
- ❖ **Member**, Expert Committee for Amendment of Qualifications for Engineers and Scientists, Tamilnadu Pollution Control Board, Govt. of Tamilnadu. (Since August 2012)
- ❖ **Member**, Governing Council, John Bosco Group of Institutions, Chennai (since August 2012)
- ❖ **Member**, Expert Committee to prepare the “*Environmental Policy of Tamilnadu State*” Department of Environment & Forest, Govt. of Tamilnadu. (since July 2012)
- ❖ **Member**, Expert Committee to prepare the “*Tamilnadu State Action Plan on Climate Change*”, Public Works Department, Govt. of Tamilnadu. (since Feb 2012)
- ❖ **Member**, Executive Committee, Centre for Water Resources, Anna University, Chennai (since April 2012).
- ❖ **Member**, Executive Committee, Centre for Environmental Studies, Anna University, Chennai (since September 2013).
- ❖ **Member**, Sectional Committee, *Sedimentation in Reservoirs and Lakes*, Bureau of Indian Standards, Govt. of India (since Feb 2012).
- ❖ **Member**, State Level Committee for Technical Education, Govt. of Kerala. (May 2009 - 2014).
- ❖ **Member**, Board of Technical Education, State Board of Technical Education, Govt. of Andhra Pradesh. (2009-2014)
- ❖ **Member**, State Steering Committee for TEQIP-II, Government of Tamilnadu. (April 2011- Nov. 2014)
- ❖ **Member**, Expert Committee for Selection of Assistant Engineers to Tamilnadu Pollution Control Board, Chennai (December 2011)

- ❖ **Member**, Expert Committee on “Spatial Data Technologies for Decentralized Planning” under, National Resources Data Management Systems (NRDMS), Department of Science and Technology, Govt. of India (Since April 2011 for three years).
- ❖ **Member**, Executive Committee, Planning of Mega Science City – Chennai, Govt. of Tamilnadu, (April 2011-July 2012).
- ❖ **Member**, Governing Council, Jansons Group of Institutions, Coimbatore
- ❖ **Member**, Governing Council, Karpagam Group of Institutions, Coimbatore
- ❖ **Member**, Governing Council, Muthayammal College of Engineering, Rasipuram
- ❖ **Member**, Governing Council, SCAD Group of Institutions, Tirunelveli & Tuticorin (since January 2011)
- ❖ **Member**, Executive Committee, Tamilnadu Science City & Tamilnadu State Council for Science and Technology, Government of Tamilnadu, (since August 2009-November 2014)
- ❖ **Member** Governing Council, Sri Aravindar Institutions, Puducherry (since Feb 2011).
- ❖ **Member**, Task force committee for “Evolving guidelines framing norms and standards for imparting quality vocational education and training program in existing technical/management institutes” – AICTE, New Delhi (since January 2011).
- ❖ **Member**, Board of Studies for Civil Engineering, Anna University of Technology, Madurai (since November 2010)
- ❖ **Member**, Board of Studies for Civil Engineering, Anna University, Chennai (since 2011)
- ❖ **Expert Committee Member**, Environmental Pollution Abatement and Control, Ministry of Environment and Forests, Govt. of India. (Since August 2010).
- ❖ **Member, Governing Council & General Body**, National Instructional Media Institute, Ministry of Labor and Employment, Government of India (since October 2010).
- ❖ **Executive Committee Member**, International Classical Tamil Tholkappiar Academy, Tamil University, Thanjavur (October 2010 – November 2011)
- ❖ **Member, Executive Committee**, Tamilnadu State Council for Science and Technology, Govt. of Tamilnadu (since November 2010) for a period of Three years.
- ❖ **Member, Governing Council**, Sankar Polytechnic College, Tirunelveli (since April 2010)
- ❖ **Supreme Court Appointed Technical Committee Member**, for the Assessment of Flood Situations and Urban Environmental Pollution in Chennai City, under the Chairmanship of Hon’ble Judge, Sri. J. Raju.
- ❖ **High Court Appointed Technical Committee Member**, for the Assessment of Sandmining and its Impacts in Kosasthaliyar River Basin in Tamilnadu.
- ❖ **Member**, State Level Committee for Technical Education, Govt. of Tamilnadu. (Since May 2009).
- ❖ **Member**, Irrigation Research Advisory Committee (IRAC), Public Works Department, Govt. of Tamilnadu, Since August 2010.
- ❖ **Member**, Academic Council, Sri Sastha University Chennai (since Feb 2010).
- ❖ **Member** Governing Council, Sri Sastha University Chennai (since Feb 2010).
- ❖ **Member**, Board of Research Studies, Sathyabama University, Chennai (since Feb. 2010).
- ❖ **Member**, Board of Studies in Civil Engineering, Anna University of Technology, Madurai.
- ❖ **Member**, All India Board of Vocational Education, AICTE, New Delhi, (since August 2009).
- ❖ **Member, Academic Council**, Sri Ramachandra University Chennai (since August 2009).
- ❖ **Member**, State Level Committee for Technical Education, Govt. of Andhra Pradesh. (Since June 2009).
- ❖ **Member**, Review Committee for Institute Activities, Central Water and Power Research Station, Kadakwasala, Maharashtra. Under the Chairmanship of Prof. M.C. Deo, IIT Bombay, from April 2009 – July 2009.

- ❖ **Member, Sectional Committee on Civil Engineering**, Indian National Academy of Engineers, for selecting the Fellows of INAE in Civil engineering (since May 2007)
- ❖ **Member** Governing Council, VKS Educational Society, Karur (since April 2009).
- ❖ **Member**, Governing Council, Jansons Group of Institutions, Coimbatore (since Jan. 2009).
- ❖ **Member**, Board of Studies in Environmental Sciences, Pondicherry University, Puducherry (from Dec 2010 onwards).
- ❖ **Member**, Board of Studies in Environmental Sciences, Cochin University of Science and Technology, Kochi (from Dec 2007 onwards).
- ❖ **Expert Committee Member**, Industrial Projects Evaluation, Ministry of Environment and Forests, Govt. of India. (From August 1999 – August 2009).
- ❖ **Expert Committee Member**, Coastal Zone Projects Evaluation, Ministry of Environment and Forests, Govt. of India. (From Sept. 2005 onwards).
- ❖ **Member**, Sectional Committee, *Management Systems for Eco-friendly Mining Operations*, Bureau of Indian Standards, Govt. of India (since April 2007).
- ❖ **Expert Member**, National Institute of Hydrology Society, Ministry of Water Resources, Govt. of India. (Since 2006).
- ❖ **Member**, Technical Advisory Committee, National Institute of Hydrology, Ministry of Water Resources, Govt. of India. (since 2006)
- ❖ **Member**, Regional Coordination Committee (RCC), Deltaic Regional Centre, Kakinada (since 2005)
- ❖ **Member**, Steering Committee, World Bank Hydrology Projects, National Institute of Hydrology, Ministry of Water Resources, Govt. of India. (2006-2009)
- ❖ **Member**, Core Group on Floods, National Disaster Management Authority (NDMA), Ministry of Water Resources, Govt. of India. Completed the National Policy Document on Flood Management.
- ❖ **Technical Expert** in the Hydrological Information Systems Management group Technical (HISMGCT) constituted by Ministry of Water Resources, New Delhi.
- ❖ **Member**, Screening Committee on Approval of Engineering Colleges, All India Council of Technical Education (AICTE), New Delhi.
- ❖ **Member**, Board of Studies, Bannari Amman Institute of Tech., Sathyamangalam, Erode. (2000-Till date)
- ❖ **Member**, Board of Studies in Civil Engineering, Thiagarajar College of Engineering, Madurai. 1999-2001; 2004-2007; 2010-2012.
- ❖ **Member**, Board of Studies in Civil Engg., Periyar Maniammai University, Thanjavur, Tamilnadu.
- ❖ **Member**, Academic Council, VIT University, Vellore, Tamilnadu.
- ❖ **Member**, Academic Council, Gayatri Vidya Parishad College of Engineering, Visakapatnam, AP. (2009 onwards)
- ❖ **Member**, Academic Council, Kalasalingam University, Krishnan Koil, Tamilnadu.
- ❖ **Member**, Academic Council, Karpagam College of Engineering, Coimbatore, Tamilnadu.
- ❖ **Member**, Academic Council, National Institute of Technical Teachers Training and Research, Taramani, Chennai. (2000-2009).
- ❖ **Expert Committee Member**, Advisory Committee, Hindu Religious and Charitable Endowment, Administration Department, Tamilnadu.
- ❖ **Member**, Anti-Disaster Plan Committee, Government of Tamilnadu, since Feb. 1997.
- ❖ **Member**, Technical Advisory Committee, Rain Centre, Mandaivelipakkam, Chennai.
- ❖ **Member**, Users Committee, Hydrology Project, Central Water Commission, Govt. of India.

- ❖ **Member**, High level Expert Committee Constituted by Hon. High Court Chennai for Assessment of Sand Mining potential in Tambiraparani River (2008-2009)
- ❖ **Member**, Technical Evaluation Committee, Hazardous Waste landfill Site Identification, Tamilnadu Pollution Control Board, Chennai.
- ❖ **Member**, Tender Evaluation Committee, Tamilnadu Pollution Control Board, Chennai.
- ❖ **Member**, Library Advisory Committee, Tamilnadu Pollution Control Board, Chennai.
- ❖ **Member**, Board of Studies, Annamalai University, Tamilnadu. 1998- 2002. 2011 onwards.
- ❖ **Member**, Board of Studies, Thiagarajar Engineering College, Tamilnadu.
- ❖ **Expert Committee member**, AICTE, for Approval of Courses and Programs of Engineering Colleges.
- ❖ **Expert Member for Faculty Selection** in other IITs and Engineering Institutions.
- ❖ **Reviewer for the following Journals:**
 - Agricultural Water Management (UK).
 - American Journal of Remote Sensing
 - Applied Water Science
 - Canadian Journal of Chemical Engineering
 - Computers & Geoscience
 - Chemosphere
 - Hydrological Sciences Journal (UK).
 - Hydrological Processes Journal, UK.
 - IEEE Transactions on Instrumentation and Measurement
 - Indian Journal of Engg. and Material Sciences
 - International Journal of Climatology
 - International Journal of Environment and Waste Management
 - International Journal of Agricultural Education and Extension (JAEE), The Netherlands
 - International Journal of Theoretical and Applied Climatology
 - International Journal of Toxicological and Environmental Chemistry
 - Journal of Agricultural Science and Technology, Iran
 - Journal of Applied Hydrology.
 - Journal of Applied Science and Research
 - Journal of Computing in Civil Engineering, ASCE
 - Journal of Hazardous Materials
 - Journal of Heuristics
 - Journal of Hydraulic Engineering. ASCE,
 - Journal of Hydro-Informatics, UK
 - Journal of Hydrologic Engineering. ASCE,
 - Journal of Institution of Engineers (India).
 - Journal of Institution of Engineers (UK), Water & Resources management Section.
 - Journal of Irrigation & Drainage Engineering, ASCE
 - Journal of Transportation Engineering, ASCE
 - Journal of Water Resources Planning and Management, ASCE.
 - Journal of Environmental Engineering and Science
 - Journal of Environmental Monitoring
 - Journal of Environmental Management
 - Journal of Waste Management.

- Practice Periodical of Hazardous, Toxic and Radioactive Waste management, ASCE
 - Separation Science and Technology
 - Soil and Sediment Contamination Journal
 - Songklanakarin Journal of Science and Technology
 - Water, Air, and Soil Pollution
 - Water and Environment Journal
 - Water International (USA).
- ❖ **Expert Committee member**, National Board of Accreditation, AICTE.
 - ❖ **Expert Committee member**, UGC committee for Evaluation of Deemed to be University.
 - ❖ **Reviewer** for proposals for Research Projects for various Sponsoring Agencies like DST, CSIR, MoWR, MoEF etc.
 - ❖ **Research Advisory Committee Member**, Tamilnadu Water Supply and Drainage Board 1991-1995.
 - ❖ **Executive Committee Member**, Geographical Committee for International Water Resources Association, Washington
 - ❖ **Member**, Library Advisory Committee, IIT Madras 1991-1993.
 - ❖ **Member**, Board of Academic Research. IIT Madras 1995-1997.
 - ❖ **Member**, Prizes, Awards & Scholarships Sub-committee, IIT Madras, 1996-97.
 - ❖ **Member**, Discipline and Welfare of students Sub-Committee, IIT Madras, 1995-1996.
 - ❖ **Member**, Campus Environmental Committee, IIT Madras, 2006- Till Date.
 - ❖ **Nominated member**, IIT Madras Campus Educational Society, 1996-98.
 - ❖ **Nominated Member**, Executive Committee, Kendriya Vidyalaya, IIT Madras. (2005-2008).
 - ❖ **Executive Committee Member**, Regional Center for IWRS, Chennai, 1997-99.
 - ❖ **Thesis Examiner** for 70 Ph. D & M.S. theses of various IITs and other Universities.
 - ❖ **Delivered** a radio speech on “Technologies developed at IIT Madras” in All India Radio (AIR), Chennai.
 - ❖ **Delivered** a radio speech on “Solid waste Management: Everyone’s Duty to keep our Environment Clean” in All India Radio (AIR), Chennai. Dec. 2005
 - ❖ **Delivered** a radio speech on “Water Management in Chennai City” in All India Radio (AIR), Chennai. Nov. 2005
 - ❖ **Delivered** a speech on “Management of Floods in Chennai” in the Raj TV during October 2005.
 - ❖ **Delivered** a radio speech on “Pollution and Its Impacts on Water Bodies” in All India Radio (AIR), Chennai, on 23rd March 2008.
 - ❖ **Delivered** a speech on “Engineering Education: Challenges and Options” in Kalaignar TV, Chennai on 10th February 2009.
 - ❖ **Delivered** a speech on “Pollution Free Life: A Key to success” in Sun TV, Chennai on 2nd December 2016

VIII. Teaching

Under-graduate

- Engineering Fluid Mechanics
- Hydrology and Water Resources Engineering
- Irrigation Water Management
- Environmental Engineering
- Environmental Issues

- Introduction to Remote Sensing
- Water Resources Project Planning and Design
- Environmental Engineering Laboratory
- Advanced Environmental Engineering

Graduate

- Environmental Impact Assessment
- Models for Air and Water Quality
- Water Quality and Treatment
- Physico-Chemical Processes in Water and Wastewater Treatment
- Environmental Systems Analysis
- Sustainability Engineering: Methods and Applications
- Water Resources Systems Engineering
- Water Resources Planning and Management
- Advanced Hydrology
- Free Surface Flows
- Ground Water Hydrology
- Ground Water Engineering
- Stochastic Methods in Hydro sciences
- Economics of Water Resources Planning
- Irrigation Technology
- Design of Water Resources System
- Hydraulic Engineering Laboratory.

IX. Visits Abroad

- Participated as a speaker in the IWA World Water Congress and Exhibition in Tokyo, Japan, during 16 – 21st September 2018.
- Visited University of Reno, USA and University of Illinois, Chicago, USA for discussion on Collaborative Research Programs, during June 2018 to July 2018.
- Visited Bradley University, USA for discussion on Collaborative Research Programs, during July 2018.
- Visited Delft University of Technology, Netherlands for discussion on Collaborative Research Programs, during May 2018.
- Visited International Water Management Institute (IWMI), Colombo, Srilanka for discussion on Collaborative project work, during 21st July to 27th July 2017.
- Visited University of Illinois, Chicago, USA for discussion on Collaborative Research Programs, during May 2017 to June 2017.
- Participated and presented two technical paper in the International Conference on Environmental Science and Technology, Houston, USA, during 6th -10th June 2016.
- Visited University of Arizona State University, USA and University of Illinois, Chicago, USA for discussion on Collaborative Research Programs, during December 2015 to January 2016.
- Visited University of Nottingham, Malaysia to evaluate the Thesis on “Assessment of Climate Change Impact on Runoff and Peak Flow – A case study on Upper Klang Watershed in West Malaysia” submitted by Mr. Reza Kabiri” as an examiner for conducting the Viva-Voce examination during 5th to 7th December 2013.

- Visited UNESCO-IHE Institute for Water Education, DA Delft, The Netherlands to attend a Ph.D. Public Viva-Voce Examination as an external examiner and also for discussion on “Collaborative Academic and Research Activities” at the institute from 30th April to 5th May 2013.
- Visited University of Nebraska, Lincoln, USA and University of Illinois, Chicago, USA for discussion on Collaborative Research Programs, during 30th November to 9th December 2012 on GIS Based Slum Development including Data Mining, and Landfill Contaminant Transport, respectively.
- Participated and presented one technical paper in the International Workshop “AUTODESK UNIVERSITY, Las Vegas, USA, during 25th -29th November 2012, at Hotel Mandalay Bay, Las Vegas, USA.
- Participated and presented two technical papers in the International Workshop on Climate Change and DIMS Technology in association with University of Nottingham, Kuala Lumpur, Malaysia during 1st -3rd December 2010, at Hotel Royal Chulan, Kuala Lumpur, Malaysia.
- Visited University of Nottingham (Malaysia campus) during December 2010 for discussion on a collaborative project on water management, at Kuala Lumpur, Malaysia.
- Participated in the International Symposium on TVET Skills for Poverty Alleviation, Manila, Philippines during 2nd -6th August 2010.
- Visited Environmental Engineering Laboratory for Solid waste Management, INSA, Lyon France, January 2009 to April 2009 for a collaborative research project.
- Visited Laboratory for Water Resources and Environment, Department of Civil Engineering, Hongkong University of Technology, during April 2009 and delivered a speech on “Genetic Algorithms Applications in Water Resources”, during the visit apart from collaborative research project.
- Participated and presented a paper in the International Conference on Environmental Management, held at the International Islamic University, Malaysia, during 17th -19th July 2008.
- Conducted a one-week training programme on “Theory & Practice of Wastewater Management” for the practicing engineers from Govt. Departments, Sultanate of Oman at Caledonian College of Engineering, Muscat, during 26th -31st May 2007.
- Participated in the INDO-FRENCH Conference on Water and Wastewater Treatment Technologies, at INSA Lyon, Villeurbanne, France, during 28th November and 2nd Dec. 2006.
- Participated in the Second International Conference on “Artificial Intelligence: Applications and Innovations”, Beijing, China, during September 2005.
- Participated in the 30th WEDC International Conference on “*People-Centered Approaches to Water and Environmental Sanitation*” at Vientiane, Laos during October 2004.
- Visited Loughborough University, UK during July 2004 for a collaborative research project.
- Visited Ecole Polytechnique Switzerland, Lausanne during July 2004 in connection with the PG Certificate Course on “Technology and Sustainable Development”
- Visited Ecole Polytechnique Switzerland, Lausanne during Feb. 2003 to July 2003 for a collaborative research project.
- Visited University of Putra, Kuala Lumpur, Malaysia, during March 2003 on an academic assignment.
- Visited Hydro Control, Italy in connection with the European Commission Sponsored Research project, during Mar.-Apr. 2002.
- Visited Hydraulic Research, Wallingford, UK, in connection with the European Commission Sponsored Research project, during June- August 2000.

- Visited Hydro Control, Italy in connection with the European Commission Sponsored Research project, during July-Aug. 1999.
- Visited Hydraulic Research, Wallingford, UK, in connection with the European Commission Sponsored Research project, during June- August 1998.
- Participated in the International Conference on Reservoir Sedimentation at Colorado State University, Fort Collins, Colorado, USA, during September 1996.
- Study visit to University of California, Davis, USA, during Oct-Nov., 1994.
- Collaborative Research works at Cornell University, Ithaca, New York, during Jan - Dec 1994, with Prof. D.P. Loucks.
- Research work at Ruhr-University, Bochum during May -Aug.1993 under DAAD Fellowship.
- Visited Technical University of Aachen, during Aug1993 in connection with a collaborative research work.
- Study visit to University of Colorado, Denver, University of Colorado at Boulder and Colorado State University during June 1993.
- Participated in the International Conference on Computer Applications in Water Resources, Taiwan, ROC during July 1991.

X. Supervision of Dissertation Works

a) Ph.D. Degree

Sl.No.	Name	Title	Year of Degree
1.	Sabarinathan	Impact of nanomaterials on the performance of various unit processes in wastewater Treatment (Under Progress)	
2.	Prasanth Sharma	Treatment of Hazardous Waste with Plasma Arc Technology (Under Progress)	
3.	A.K. Manikanth	Treatment of Oil Contaminated Beach sand (Under Progress)	
4.	Charles P. Joseph	Municipal Solid waste Treatment using Bioreactor Landfill Technology (Under Progress)	
5.	Akash Sinha	Development of Integrated Operation of Multi-Reservoir System with Meta Heuristic Modeling (Under Progress)	
6.	Ninad Oke	Textile Mill Effluent Treatment (Under Progress)	
7.	S. Sruthi	Nano-Bio Treatment for Bio-medical Waste (Under Progress)	
8.	P. Balakrishnan	Assessment of Contaminants in Storm water and development of in-situ treatment system (Under Progress)	
9.	G.R. Abhijith	Modeling the Contaminant Transport in Water Distribution System with Deficient Pressure (Under Progress)	
10.	D. Gokul	Advanced Oxidation Process Treatment for Leachate from Municipal Open Dump site (Under Progress)	

11.	Vijay V.	Bioreactor Modeling of Open Municipal Solid waste Dumping Site (Under Progress)	
12.	Neenu K	Real-time Groundwater Modeling for Mine Control (Under progress)	
13.	Suganya alias Mahalakshmi	Gas Adsorption Studies in Municipal Solidwaste Dumping Site. (Under progress)	
14.	Abhisek. P	Impact of Pollution on Wetlands Eco Systems (Under progress)	
15.	R. Saranya	Reactive Transport Modeling of Ground Level Ozone (Under Progress)	
16.	Muthuramalingam	Strategies for Skill Development Education in Slums (Registered under Madras University)	2018
17.	R. Senthil Raj	Assessment of Induced urban Development and its impacts on Environment due to Infrastructure Projects	2016
18.	Dinesh Kumar, K.S.A	Modeling of Groundwater Flow in a Multi-aquifer System (Degree Awarded by Anna University)	2016
19.	S. Murali	Reverse Engineering approach for Improving the Quality of Faculty in Engineering Institutions (Thesis submitted)	2013
20.	N. Ram Sundram	Optimal Operational Strategies of Reservoirs using Data Mining Approach	2013
21.	R. Ethirajan	Assessment of Volatile Organic Compounds (VOC) and Modeling their Source Contribution in an Industrialized Location	2011
22.	K. Pavan Kumar	Waste Load Allocation and Scheduling Models Considering Equity and Fuzziness	2011
23.	D.P. Vijayalakshmi	Soft Computing Models for Runoff and Irrigation Return-Flow Estimation	2009
24.	K.S. Jinesh Babu	Evolutionary Computing Algorithms for Water supply Distribution Networks Analysis	2009
25.	Marykutty Abraham	Assessment of Effectiveness of Artificial Recharge Structures Using Groundwater Models	2008
26.	S.K. Pramada	Management of Coastal Aquifer System Through Modeling of Seawater Intrusion	2008
27.	R. Gandhimathi	Solid Waste Characterization and Prediction of its Migration from an Open Dumping Site	2008
28.	M. A. Prasad	Development of Operational Rules for Serial and Parallel Reservoir Systems Using Fuzzy Logic Approach	2007
29.	S.T. Ramesh	Effect of Recirculation Ratio on the Performance of Activated Sludge Process	2006
30.	P. Jegathambal	Multi-component Reactive Transport Modeling in Porous Media Using Stochastic Algorithms and Cellular Automata	2005
31.	V. Ramani Bai	Derivation of Reservoir Operation Policies using Artificial Neural Networks and Fuzzy Logic Models	2004
32.	M. N. Shrestha	Assessment of Hydrological changes due to Land use modifications	2001

33.	A. Murugappan	Fuzzy Optimization Model for Tank Irrigation System Operation (Degree Awarded by Annamalai University) (Co-Advisor: Dr. T. Rangapathy, Annamalai University)	2001
34.	K. Nagarajan	Integrated Operation of Reservoir -Tanks System	2000
35.	V. Jothiprakash	Optimal Conjunctive Operational Model in Irrigation System	2000
36.	M. G. Devamane	Optimal Operational Rules for a Multipurpose Multireservoir System. (Co-Advisor: Dr. K. Elango)	1999
37.	P. Padalinathan	Decision Support System for Optimal Crop Planning and Reservoir Operation. (Co-Advisor: Dr. H. Raman)	1999
38.	N. Arumugam	Expert Systems for Irrigation Management	1996

b) Graduate M.S. Degree

<i>Sl.No.</i>	<i>Name</i>	<i>Title</i>	<i>Year of Degree</i>
1.	Vineeth Manthapuri	Remediation of heavy metals in the lake sediments (Under Progress)	
2.	P. Sankar Prasad	Real-time operation of Irrigation Distribution Network (under progress)	
3.	Y. Prasanth Reddy	Development of Multi-parameter Line Source Model for Prediction of Vehicular Pollution	2006
4.	N. Magesh	Effect of Temperature on BOD Decay Rate and its Implication on Waste Load Allocation in Rivers	2005
5.	J. Senthilnathan	Removal and Recovery of Hexavalent Chromium from Electroplating Wastewater using supported Liquid Membrane	2005
6.	P.Shanmugham	Kinetic Parameters Study on Bio Reactors	2005
7.	G. Venkatareddy	Evaluation of Seismic Liquefaction of Soils Using Soft-Computing Techniques (Co-Advisor: Dr. A. Boominathan)	2005
8.	Sangeetha Kumari	Development of Models to Assess the Recharge in an Unconfined Aquifer System	2005
9.	V.S.V. Ramkumar	Modeling of Quantity of Runoff from Watersheds	2002
10.	P.K. Sreejith	Optimal Pumping Plans for Ground Water Extraction in Lignite Mines	2002
11.	T. Madhuri	Reservoir Operational Rules derivation using Genetic Algorithms	1998
12.	P.K. Sahoo	Stochastic Modeling of Droughts	1993

c) Graduate (M. Tech) Degree

<i>Sl.No.</i>	<i>Name</i>	<i>Title of the Thesis</i>	<i>Year of Degree</i>
1.	Sujitha S	Pharmaceutical Wastewater Treatment by Membrane Bioreactor	2019

Sl.No.	Name	Title of the Thesis	Year of Degree
2.	A. Venu Madhuri	Reservoir Operation Optimization using Bat Algorithm	2019
3.	Gaurav Kumar Gupta	Assessment of the sand availability in Coleroon river and Impact of sand mining on groundwater in the nearby vicinity	2019
4.	Rahul Jain	Analysis of Transmission Mains and Water Distribution Network for a City: A Case Study	2019
5.	Pugal Vendan B	Evaluation of Effectiveness of Rule Curve for Operation of Reservoir	2019
6.	Jatinder Singh	Impacts of Climate Change on the Hydrology of a Watershed	2019
7.	Akhila Chowdary Nunna	Improved Environmental Impact Assessment Process for Infrastructure projects in India	2018
8.	Aneesh Bhaskar	Modeling of Microbial Contaminant Transport in Intermittent Water Distribution Networks	2017
9.	Julia Bauer	Modeling of mass transport focused on plume spreading in ground water using examples of open dumping in Madurai and Chennai	2016
10.	V. Mohan Sai	Performance Evaluation of Bio-Remediation Technique in Lakes	2016
11.	D.Deepti	Fuzzy Logic based Model for Infrastructure Projects Planning	2010
12.	K. Srikanth	Performance Study of Membrane Bioreactor in Treating Domestic and Textile Wastewaters	2008
13.	N. Vetrivel	Impact of Sand Mining on Groundwater Recharge in Palar Basin	2008
14.	C.T. Dhanya	Application of Case-based Reasoning in Modeling Reservoir Operation	2006
15.	C.S. Gyanranjan	Assessment of Indoor Air Pollution in an Urban Area: Case Study	2006
16.	Neena Sunny	Study on Biomethanization of Wastewater from JAM industries	2006
17.	G. Sreelakshmi	Removal of Heavy Metals by Low-cost Adsorbent from Leachate	2006
18.	Ajit Kumar	Multi Reservoir Systems Operation Using Soft computing Techniques	2006
19.	N. Remya	Prediction of the Effect of Organic Matter and Solute Concentration on Nitrate Sorption	2006
20.	P.K. Vijayalakshmi	Development of Models for Operation of Mutipurpose Multireservoir Systems	2005
21.	B.K. Bindhu	Laboratory Study on Biomethanization of Kitchen Wastes	2005
22.	K. Shibu	Environmental Risk Assessment of an Oil pipeline Project	2005

Sl.No.	Name	Title of the Thesis	Year of Degree
23.	V. Kavin Sumitha	Removal of Lead and Copper Using Casuarina Equisetifolia Bark	2005
24.	K. Santosh Kumar	Agent-Based Models for Simulation of Water-sharing Between Different Users	2005
25.	S.B. Shinde	Derivation of Reservoir Operation Rules using Fuzzy Logic	2004
26.	K. Danimon	GIS based Risk Assessment in Water Supply Distribution Network	2004
27.	B. Dhanasekaran	Optimization of Dewatering Scheme for Delhi Metro	2003
28.	K. Gopi	Groundwater Vulnerability Assessment Using GIS.	2003
29.	A. Mani	Optimization of Multi-aquifer System Pumping Using GA.	2003
30.	Deepak Kumar	Modeling of Landfill Contaminant Transport	2003
31.	D. Narasimha Rao	Development of Mathematical Model for Contaminant Transport	2003
32.	Sharath Sarkar	Air Quality modeling for vehicular Pollution	2002
33.	G. Veeranjanya Prasad	Modeling of Bioremediation: A Case Study	2002
34.	M. Jangareddy	Derivation of Optimal Operational Policies Using Genetic Algorithm for Multi Reservoir systems	2002
35.	V.G. Sathishkumar	Optimal Pumping strategies for Groundwater Pressure Control	2002
36.	Vivek Bedekar	Sensitivity Analysis by Automatic Differentiation Technique Applied to Quasi-3D Finite Element Ground Water Flow Model	2001
37.	Munai Prasad	Cellular Automata for Water Quality Modelling	2001
38.	V. Ravikumar	Risk Assessment in Industries using Fault-Tree Analysis	2001
39.	S. Sathya Raj	GIS Based Air Quality Modelling: A Case Study	2001
40.	R. Sankar	Sea Water Intrusion Study in the South Chennai Coastal Aquifer	2000
41.	A. S. Rajkumar	Air Quality Simulation Modelling: A Case Study	2000
42.	R. Umayakunjaram	Wastewater Treatment Systems Modelling Using ANN	2000
43.	Deepak Kumar	Study of Leachate Migration and Design of Secured Landfil Facility: A Case Study	2000
44.	Surjeet Bivalkar	Comparative Evaluation of Analytical Element Method and the Conventional Finite Element Method for Groundwater Modelling	2000
45.	V. M. Bhindu	Assessment of Runoff Curve Numbers Using GIS	1999
46.	R. Radhika	River Water Quality Modelling: A Case Study	1999
47.	S. Sarasavani	Optimal Routing of Solid waste Transport Using GIS	1999
48.	M. Manoharan	Studies on Treatment of Hazardous Waste (Cyanide)	1999

Sl.No.	Name	Title of the Thesis	Year of Degree
		in Chennai Region	
49.	R. Kannan	GIS based Decision Support System for Pollution Assessment	1998
50.	P. Kamaraj	Studies on Solar Evaporation from Soak Liquor in Tanneries	1998
51.	K. Annapoorna	Network Flow Algorithm for Optimal Multi-Reservoir Operation	1998
52.	M. Muthukumaran	Modeling of Pollutant Transport in Ground Water	1997
53.	M. Anjaneyalu	Study on Artificial Recharge for Waste Water Reclamation	1997
54.	G. Laxminarayana	A Neural Network Model for Reservoir Operation	1997
55.	R. Shivashanmugham	Performance Evaluation of Reverse Osmosis Process or Wastewater	1996
56.	R. Chitrakumari	Optimal Operation of Reservoir Systems using Genetic Algorithms	1996
57.	D.V.S. Nagendrakumar	Numerical Simulation of One-dimensional Infiltration	1996
58.	B. Simhadri Rao	Optimal Operation of a Tank Irrigation System	1994
59.	U. Saravanakumar	Multipurpose Multi-reservoir Simulation: A case study	1993
60.	S. Ranganathamorthy	Systems Analysis Study for the Thungabhadra Reservoir Operation	1993
61.	K. Srinivasaraju	A Simulation-Optimization Model for Adayar River System	1992
62.	D.M. Raipure	Multi-objective Analysis of Reservoir Systems	1991
63.	U. Srinivas	Drought Analysis and Management	1991
64.	G. Santosh Thampi	Simulation Study of Madras City Water Supply System	1991
65.	N.C.V. Rangacharya	Expert System for Drought Management	1989
66.	G. Premganes	Real-time Reservoir Operation	1989
67.	Ch. Srinivasulu	Evapotranspiration Models for Tamilnadu State	1989

d) Under-graduate (B. Tech) Degree

Sl.No.	Name	Title of the Thesis	Year
1.	Akash Garg	Improved data mining through Binning Approaches	2018
2.	Subhash Chand	Optimal design of sewer networks	2017
3.	U. Umesh	Big data applications to wastewater treatment system	2017
4.	Mohit Sharma	Data mining and Big Data application in water reservoir systems	2017
5.	Shanmukha Surya Teja J	Big DATA / Cloud computing for Congestion Modelling	2017
6.	Benjamin Robertson	Modular M5 Tree Analysis Model (exchange student from Germany)	2016
7.	Praveen Joseph	Biomedical Waste Management: A study for Chennai	2005

Sl.No.	Name	Title of the Thesis	Year
		City Hospitals	
8.	M. Naveen	Software Development for EIA Clearance	2005
9.	Asok Matta	Development of an Integrated Software for Environmental Impact Assessment	2004
10.	Y.V.V. Sudheer	Computer Aided Design of Wastewater Recycling System for IIT Campus	2004
11.	S. Balaji Kumar	Design of Wastewater Recycling System for IIT Campus	2004
12.	S.N. Bhargav	Solid Waste Characterization and Design of Landfill System for IIT Campus	2004
13.	P.V. S. Raju	Simulation & Optimization of Construction Dewatering in Delhi Metro Rail Corporation	2003
14.	P. Bharathkumar	Design of Secured Landfill Facility and study of Leachate Migration using a Mathematical Model	2003
15.	K.V. Nag	Development of a GIS model for Air Pollution	2002
16.	Karan Kapoor	A Neural Network Model for Wastewater Treatment System Studies	2002
17.	P.V.S. Bharath	Ground Water Pollution Assessment Using GIS	2002
18.	H. Ramesh	Pipe Network Optimization Using Genetic Algorithms	1999
19.	L. Sumant Kumar	Development of GIS based model for Estimating Surface Runoff	1999
20.	M.S. Ramesh	Optimal Routing for the Transportation of Hazardous Waste Using GIS	1998
21.	K. Saravanan	Developing an Expert System for Treatment Control Advice for a Common Effluent Treatment Plant for Tanneries.	1997
22.	K. Badrish	Optimal Control of Activated Sludge Process Using GA.	1997
23.	J. Sreeram	Application of Neural Networks for the Containment of Groundwater Contamination.	1997
24.	Amit Nag	Water Quality Model Parameters Estimation using Genetic Algorithms	1996
25.	L. Kishore	Integrated Hydrological Modeling using GIS	1996
26.	M. Keshavan	Environmental System Modeling using Neural Networks	1993
27.	S. Amalan	Environmental Systems Analysis	1989
28.	N. Navaruparaja	Micro Computer Modeling of Waste Water Treatment	1989

XI. Summary of Sponsored Research Projects

A. National Projects

- (i) Project title : Development of National Inventory Mercury Profile in India
Sponsor : United Nations Development Programme- India, New Delhi
Investigators : S. Mohan
Duration : October 2018 – March 2018.

- Amount : Rs. 47, 72,500
- (ii) Project title : Development of Models for Integrated Operation of Major Reservoirs, and to Study the Impact of Enbloc Allocations in Krishna Basin
 Sponsor : Irrigation & CAD Dept., Govt. of Telangana, Hyderabad
 Investigators : S. Mohan
 Duration : November 2015 – December 2017.
 Amount : Rs. 47, 88,000
- (iii) Project title : Establishment of Rain water Harvesting unit at NITTTR campus, Chennai
 Sponsor : Central Ground Water Board, New Delhi
 Investigator : S. Mohan, P. Dayanithi, T. Jagathrakshakan, K.S.A. Dinesh Kumar
 Duration : 2010 - 2011
 Amount : Rs. 40, 00, 000
- (iv) Project title : Establishing e-Learning Environment for Training Technical Teachers and Students
 Sponsor : NME-ICT, MHRD, GoI
 Investigator : S.Mohan, V. P. Sivhakumaar, G. Janardhanan, G. Kulandaivel
 Duration : 2010 - 2011
 Amount : Rs. 28, 00,000
- (v) Project title : DVD Preparation of Digitized Old Tamil Manuscripts
 Sponsor : Central Institute of Classical Tamil Chennai
 Investigator : S. Mohan, V. P. Sivhakumaar
 Duration : 2010 - 2011
 Amount : Rs. 12, 00, 000
- (vi) Project title : Training Needs Analysis for Engineering College Teachers of Kerala.
 Sponsor : Department of Technical Education, Govt. of Kerala.
 Investigator : S. Mohan, B.G. Barki and B. Mukhopadhyay
 Duration : March 2010 – Nov 2010
 Amount : Rs. 2,00,000
- (vii) Project title : Development of Web Portal for CICT
 Sponsor : Central Institute of Classical Tamil Chennai
 Investigator : S. Mohan, G. Kulanthaivel
 Duration : 2010 - 2011
 Amount : Rs. 11, 00, 000
- (viii) Project title : Enriching Content with Multimedia for Web Delivery
 Sponsor : Central Institute of Classical Tamil Chennai
 Investigator : S .Mohan, V. P. Sivhakumaar
 Duration : 2010 - 2011
 Amount : Rs. 12, 00, 000
- (ix) Project title : Environmental Technology
 Sponsor : Indian Institute of Technology Madras, Chennai
 Investigators : S. Mohan and Team

- Duration : Oct. 2003 – Sept. 2006
Amount : Rs.40, 25,000
- (x) Project title : Study on Enhancement of Recharge Potential in the Recharge Area to the Neyveli Deep Seated Aquifer
Sponsor : Ministry of Coal, Govt. of India, New Delhi.
Investigators : S. Mohan and A. Boominathan
Duration : May 2002 – May 2005
Amount : Rs. 39, 18,600
- (xi) Project title : Development of an Interactive Software for Watershed Analysis
Sponsor : Dept. of Science & Technology, Govt. of India, New Delhi.
Investigators : S. Mohan and H. Raman
Duration : Aug. 1996 – Dec. 1999
Amount : Rs. 3, 96,000
- (xii) Project title : Environmental System Analysis
Sponsor : Indian Institute of Technology, Madras
Investigators : S. Mohan and M. Chidambaram
Duration : Aug. 1992 - July 1993.
Amount : Rs.36, 000
- (xiii) Project title : Effectiveness of Percolation Ponds
Sponsor : Department of Science & Technology, Govt. of India.
Investigators : K. Elango and S. Mohan
Duration : March 1992 - Feb 1995.
Amount : Rs. 4, 08,000
- (xiv) Project title : Expert System for Water Resources Management
Sponsor : Department of Science & Technology, GOI, New Delhi.
Investigators : H. Raman and S. Mohan
Duration : March 1991 - Feb 1993.
Amount : Rs. 4, 60,000
- (xv) Project title : Water Resources Project Management
Sponsor : MHRD, Govt. of India, New Delhi
Investigators : H. Raman and S. Mohan
Duration : Dec 1989 - Aug. 1992
Amount : Rs. 8, 50,000
- (xvi) Project title : Flood Simulation and Multiobjective Multireservoir Operation in Adayar River System.
Sponsor : Central Board of Irrigation & Power, Govt. of India, New Delhi.
Investigators : H. Raman, K. Elango and S. Mohan
Duration : May 5th, 1989 - May 4, 1993.
Amount : Rs. 7, 96,000

Total fund generated through National Projects: **Rs. 3, 09, 50, 100.00**

B. International Projects

- (i) Project title : Integrated Rural Urban Water Management for Climate Based Adaptations in Indian Cities
Partners : ICLEI South Asia;
Athena Infonomics,
IWMI, Srilanka
Investigators : S. Mohan
Duration : 2016 - 2020
Amount : Rs. 25, 00,000
- (ii) Project title : Wastewater and Flood Management Modeling for Chennai City
Partners : United Nations University, Japan
Investigators : S. Mohan
Duration : 2016 - 2018
Amount : Rs. 17, 55, 996
- (iii) Project title : Asian Coastal Ecosystems: An Integrated Database and Information Management System (DIMS) for assessing Impact of Climate Change and its appraisal
Partners : Asia Pacific Network, University of Nottingham, Malaysia;
University of London, UK,
National University of Singapore, Singapore.
Investigators : S.Mohan and Dr. G. Janardhanan
Duration : 2009 - 2011
Amount : Rs. 4, 00,000
- (iv) Project title : Macro level ground water flow modeling of NLC mines area & its expansion
Partners : RWE, Germany
Investigators : S.Mohan & KSA Dinesh Kumar
Duration : 2009 - 2011
Amount : Rs. 8, 00,000
- (v) Project title : Intermittent Water Supply: Design and Control
Partners : Loughborough University, UK.
Investigators : S.Mohan
Duration : 1 year
Amount : Rs. 13, 60,000
- (vi) Project title : Improved Risk Assessment and Management in Urban Piped Water System
Partners : Loughborough University, UK & Makerere University, South Africa.
Sponsor : DFID, UK
Investigators : S. Mohan and K. Elango
Duration : Dec 2002 – May 2004
Amount : Rs. 16, 80,000
- (vii) Project title : Study of Salt-Water Intrusion and Evolution of Strategies for Salt-Water Movement Control.
Sponsor : Hydro Control, Italy.
Investigators : S. Mohan

- Duration : July 2001 – Jan 2003
Amount : Rs. 4, 12,850
- (viii) Project title : Fuzzy Logic Procedure for Maintenance Planning of Irrigation and Drainage Systems
Partners : Hydraulic Research, Wallingford, UK & Hydro Control, Italy.
Sponsor : European Commission.
Investigators : K.Elango and S.Mohan
Duration : 3 years
Amount : Rs. 73, 30,000
- (ix) Project title : Expert System for Optimal Operation of Water Resources System
Sponsor : BMFT, Germany & MHRD, Govt. of India.
Investigators : H. Raman, K. Elango and S. Mohan
Duration : 3 years
Amount : Rs.4, 00,000 + DM 50,000

Total fund generated through International Projects: **Rs. 1, 66, 88,846.00**

XII. Summary of Consultancy Projects

1. Project title : Design of Common Wastewater Treatment Plant for Patparganj Industrial Area, Delhi
Sponsor : German Corporation for International Cooperation
Investigators : S. Mohan
Duration : 12 months (December 2018 – December 2019)
Amount : Rs. 15, 00, 000
2. Project title : Environmental Audit for Hazardous Waste landfill at Virudhunagar
Sponsor : Tamilnadu Waste Management Limited, Virudhunagar
Investigators : S. Mohan
Duration : 12 months (January 2019 – December 2019)
Amount : Rs. 5, 90, 000
3. Project title : Impact Study on Soil, Water, Air, Human health and Animal Health
Sponsor : Tamilnadu Waste Management Limited, Virudhunagar
Investigators : S. Mohan
Duration : 12 months (January 2019 – December 2019)
Amount : Rs. 6, 50, 000
4. Project title : Adequacy check for 533 KLD ETP & 20 KLD in Hatsun Dairy Plant
Sponsor : Hatsun Agro Products, Chennai
Investigators : S. Mohan
Duration : 12 months (October 2018 – December 2018)
Amount : Rs. 1, 77,000
5. Project title : Study on groundwater and soil for existing and abandoned landfill in Vizag
Sponsor : Ramky Enviro Engineers Limited, Vishakhapatnam

- Investigators : S. Mohan
Duration : 12 months (September 2018 – August 2019)
Amount : Rs. 5, 90,000
6. Project title : Design Checking and Monitoring the Secured Landfill at Common Hazardous Waste Treatment and disposal facility at Nellore
Sponsor : Mumbai Waste Management Limited, Nellore
Investigators : S. Mohan
Duration : 12 months (September 2018 – August 2019)
Amount : Rs. 2, 36,000
7. Project title : Environmental audit for process operations, waste management & effluent generation
Sponsor : Venture Lighting India Limited, Chennai
Investigators : S. Mohan
Duration : 12 months (August 2018 – July 2019)
Amount : Rs. 1, 77,000
8. Project title : Study on the drainage system of the Chennai city during flood situation and assessment of flood inundation
Sponsor : National Highways Authority of India, Chennai
Investigators : S. Mohan
Duration : 12 months (June 2018 – May 2019)
Amount : Rs. 9, 44,000
9. Project title : Conducting Technology study on ETP & STP plant operations at Daimeler India Commercial Vehicle Pvt.
Sponsor : Daimeler India Commercial Vehicles Pvt. Ltd.
Investigators : S. Mohan
Duration : 9 months (March 2018 – November 2018)
Amount : Rs. 4, 72,000
10. Project title : Baseline study regarding Air, Water and Soil in and around the Bio-medical facility at Virudhunagar
Sponsor : Ramky Enviro Engineers, Virudhunagar
Investigators : S. Mohan
Duration : 12 months (February 2018 – January 2019)
Amount : Rs. 5, 90,000
11. Project title : Environmental Audit of production process, Unit operations, water consumption and effluent generation
Sponsor : Sterling Biotech Ltd., Ooty
Investigators : S. Mohan
Duration : 12 months (January 2018 – December 2018)
Amount : Rs. 5, 90,000
12. Project title : Pilot Scale experimental study to assess the technical feasibility of disposal of waste salt from Textile and Tannery industries

- Sponsor : Tamilnadu Waste Management Ltd. Gummudipoondi
Investigators : S. Mohan
Duration : 12 months (September 2017 - August 2018)
Amount : Rs. 2, 95,000
13. Project title : Eco-restoration & Implementation of pilot scale projects for improving the quality of wastewater discharge into the rivers
Sponsor : Public Works Department, Govt. of Tamilnadu
Investigators : S. Mohan
Duration : 12 months (August 2017 - July 2018)
Amount : Rs. 6, 36,000
14. Project title : Climate Change projections for four Indian cities and making them as low Carbon and Climate change resilience
Sponsor : ICLEI South Asia, New Delhi
Investigators : S. Mohan
Duration : 14 months (August 2017 - October 2018)
Amount : Rs. 8, 26,000
15. Project title : Evaluation of Aquatron Technology for wastewater treatment and validation with a pilot study
Sponsor : Tamilnadu Pollution Control Board, Chennai
Investigators : S. Mohan
Duration : 3 months (July 2017 - September 2017)
Amount : Rs. 2, 50,000
16. Project title : Study on Carbon Footprint assessment for conventional Treatment systems and ZLD Treatment systems for Textile dying industries
Sponsor : Tamilnadu Pollution Control Board, Chennai
Investigators : S. Mohan
Duration : 3 months (June 2017 - August 2017)
Amount : Rs. 1, 15,000
17. Project title : Environmental Audit of Hazardous waste landfill at Gummudipoondi
Sponsor : Tamilnadu Waste Management Limited, Ramky group, Chennai
Investigators : S. Mohan
Duration : 6 months (April 2017 - September 2017)
Amount : Rs. 5, 75,000
18. Project title : Assessment of effects of oil spill on Marine Environment
Sponsor : Tamilnadu Pollution Control Board, Chennai
Investigators : S. Mohan
Duration : 9 months (March 2017 - November 2017)
Amount : Rs. 9, 48,750
19. Project title : Design Checking of 2*250 MW Power plant at Bhavnagar
Sponsor : Marg Ltd., New Delhi
Investigators : S. Mohan
Duration : 10 months (December 2016 - September 2017)

- Amount : Rs. 2, 87,500
20. Project title : Checking Design of Sea Water Barriers in Mumbai
 Sponsor : Marg Ltd., New Delhi
 Investigators : S. Mohan
 Duration : 12 months (November 2016 - October 2017)
 Amount : Rs. 10, 00,000
21. Project title : Hydro-Geological studies with special reference to Mine water management and conservation practice” in Adanakurichi Limestone Mine
 Sponsor : India Cements Limited, Dalavoi, Ariyalur Dist., Tamilnadu
 Investigators : S. Mohan
 Duration : 12 months (September 2016 - August 2017)
 Amount : Rs. 10, 00,000
22. Project title : Ground water flow modeling for NLC mines area & its expansion
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan
 Duration : 10 months (March 2016 - December 2016)
 Amount : Rs. 15, 00,000
23. Project title : Flood Assessment Study for Infrastructure Project in Chennai
 Sponsor : ABC Techno Labs Pvt. Ltd., Chennai
 Investigators : S. Mohan
 Duration : 8 months (July 2016 – February 2017)
 Amount : Rs. 2, 29,000
24. Project title : Estimation of quantity of hazardous waste sludge and waste residue salt from ETP and RMS
 Sponsor : Pioneer Processing India Ltd., Erode
 Investigators : S. Mohan
 Duration : 8 months (March 2016 – October 2016)
 Amount : Rs. 2, 00,375
25. Project title : Impact of Bridge Piers constructed in the Cooum River on its Flow
 Sponsor : National Highways Authority of India
 Investigators : S. Mohan
 Duration : 12 months (Nov. 2015-Dec. 2016)
 Amount : Rs. 7, 86,520
26. Project title : Design and Monitoring the project of Phase-I Landfill at Integrated Common Hazardous Waste Treatment Storage Disposal and Recycling Facility at Virudhunagar Dist. Tamilnadu
 Sponsor : Ramky Group, Chennai
 Investigators : S. Mohan, R. G. Robinson
 Duration : October 2015 to December 2016
 Amount : Rs. 8, 55,000

27. Project title : Environmental Management Plan for Mine II on the Mine Water Generation, Treatment, and Disposal and its Impact on the Groundwater/Surface water and on Soil.
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan
 Duration : October 2015 to December 2016
 Amount : Rs. 7, 17,060
28. Project Title : Design Check and monitoring Cell II Phase II Landfills at Gummidipoondi
 Sponsor : Tamilnadu Waste Management Limited (Ramky Group), Chennai
 Investigators : S. Mohan, R. G. Robinson
 Duration : November 2014 to August October 2015
 Amount : Rs. 7, 98,000
29. Project Title : Water Supply Distribution System for the Newly Encompassed Area
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : May 2015 to December 2016
 Amount : Rs. 44, 41,000
30. Project Title : Solid Waste Management – Disposal of MSW through Pyrolysis
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : May 2015 to December 2016
 Amount : Rs. 15, 30,000
31. Project Title : Dedicated Water Supply Scheme for Madurai Corporation
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : May 2015 to December 2016
 Amount : Rs. 28, 00,000
32. Project Title : Underground Sewerage Scheme for Newly Encompassed Area
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : May 2015 to December 2016
 Amount : Rs. 61, 73,000
33. Project Title : Revamping Water Supply Distribution System for Erstwhile Corporation Area
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : May 2015 to December 2016
 Amount : Rs. 39, 25,000
34. Project Title : New Treatment System Design for Effluent Treatment in Manali Petrochemicals Ltd.
 Sponsor : Manali Petrochemicals Ltd., Chennai
 Investigator : S. Mohan & S. Mathavakumar
 Duration : January 2015 to January 2016
 Amount : Rs. 6, 00, 000

35. Project title : Expert Opinion on Ensuring Free flow of Water and Restoration of storage capacity with a consent to environmental and ecological balance in the tanks located along the entire length of the proposed Trichy Bye-pass
 Sponsor : National Highways Authority of India
 Investigators : S. Mohan and A. Boominathan
 Duration : 2 months
 Amount : Rs. 2, 00, 000
36. Project title : Effect of groundwater pumping on the Environment in Neyveli Basin
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan, and K.S.A. Dinesh Kumar
 Duration : January to May 2014
 Amount : Rs. 1, 12, 360
37. Project title : Groundwater Modelling Study of the Multi-layer Coastal Aquifer System of Neyveli Hydro-Geological Basin
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan, and K.S.A. Dinesh Kumar
 Duration : 2011 to 2014
 Amount : Rs. 25, 30, 000
38. Project title : Study on Land use and Land cover Changes in Mine II - Neyveli
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan, and K.S.A. Dinesh Kumar
 Duration : June 2013 to December 2013
 Amount : Rs. 5, 00, 000
39. Project title : Design Check and monitoring Cell II Phase I Landfills at Gummidipoondi
 Sponsor : Ramky Group, Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : November 2009 to August 2010
 Amount : Rs. 2, 00,000
40. Project title : Checking the Design and Monitoring the landfill – Phase II
 Sponsor : Tamilnadu Waste Management Ltd., Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : August 2010 to February September 2011
 Amount : 2, 50, 000
41. Project title : Water testing for construction purpose as per IS codes
 Sponsor : PSK Engineering Construction Company, Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : 31-12-2010 to 10-01-2011
 Amount : Rs. 50,000
42. Project title : Water testing for drinking and construction as per IS code
 Sponsor : RPP Selvam Infrastructure Pvt. Ltd., Chennai

- Investigators : S. Mohan, G. Janardhanan
Duration : 12-04-2011 to 12-05-2011
Amount : Rs. 6000
43. Project title : Video Recording and Editing of Virtual Classroom Lectures
Sponsor : Central Institute of Classical Tamil, Chennai
Investigators : S. Mohan and V.P.Sivhakumaar
Duration : October 2010 to march 2011
Amount : Rs. 93, 755
44. Project title : Conducting Jar test on raw water samples
Sponsor : Larsen & Toubro Limited, Chennai
Investigators : S. Mohan, G.Janardhanan
Duration : 22-03-2011 to 22-04-2011
Amount : Rs. 80, 000
45. Project title : Environmental Impact on Ground Water due to Industries
Sponsor : Spac Tapioca Products (I) Ltd., Salem
Investigators : S. Mohan, G.Janardhanan, K.S.A. Dineshkumar
Duration : April 2011 – November 2011
Amount : Rs. 3, 30, 900
46. Project title : Preparation of Blueprint for Strengthening of Tamilnadu Pollution Control Board
Sponsor : Tamilnadu State Pollution Control Board, Chennai
Investigators : S. Mohan, S. Dhanapal, V. Thanikachalam, D. Brahadeeswaran, P. Vijayarahgavan
Duration : August 2011
Amount : Rs.3, 30, 900
47. Project title : End Term Impact Evaluation of Resettlement and Rehabilitation Implementation for Milestones Nos.: I, II, III and IV and ongoing roadworks under TNRSP Projects
Sponsor : Tamil Nadu Road Sector Project, Chennai
Investigators : S. Mohan, V.K. Natarajan
Duration : February 2012 to May 2012
Amount : Rs. 16, 54, 500
48. Project title : TNPCB - Soil Testing for construction of 240 tenements in Muthammalpuram, Orathanadu
Sponsor : Tamil Nadu Slum Clearance Board, Trichy
Investigators : S. Mohan, G.Janardhanan, K.S.A. Dineshkumar
Duration : March 2012 – April 2012
Amount : Rs. 3, 30, 900
49. Project title : Checking the Design and Monitoring the landfill – Phase II Cell 2
Sponsor : Tamilnadu Waste Management Ltd., Chennai
Investigators : S. Mohan, G. Janardhanan
Duration : March 2012 – September 2012
Amount : 4, 00, 000

50. Project title : TNPCB – Examination for the recruitment of Assistant Engineers
 Sponsor : Tamil Nadu Pollution Control Board, Chennai
 Investigators : S. Mohan, V.P. Sivhakumaar, G.Janardhanan
 Duration : 01-03-2012 to 30-06-2012
 Amount : Rs. 2, 75, 750
51. Project title : TNPCB – Conduct of Examination for the recruitment of Environmental Scientists
 Sponsor : Tamil Nadu Pollution Control Board, Chennai
 Investigators : S. Mohan, V.P. Sivhakumaar, G. Janardhanan
 Duration : 01-03-2012 to 30-06-2012
 Amount : Rs. 1, 50, 000
52. Project title : Estimation of Volume required to fill in JJ Nagar, Trichy
 Sponsor : Tamil Nadu Slum Clearance Board, Trichy
 Investigators : S. Mohan, G.Janardhanan, K.S.A. Dineshkumar
 Duration : March 2012 – August 2012
 Amount : Rs. 99, 270
53. Project title : Design Check of STP 250 KLD Capacity at NTPL
 Sponsor : Abhiram Infra Projects Pvt. Ltd., Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : May 2012 – December 2012
 Amount : Rs. 84, 225
54. Project title : Deleterious Content of Soil – RITES
 Sponsor : RITES, New Delhi
 Investigators : S. Mohan, G. Janardhanan
 Duration : May 2012 to December 2012
 Amount : Rs. 42, 355
55. Project title : Road User Satisfaction Survey – III
 Sponsor : Tamil Nadu Road Sector Project, Chennai
 Investigators : S. Mohan, and G. Janardhanan
 Duration : May 2012 to August 2012
 Amount : Rs. 33, 10, 000
56. Project title : TNSCB – Computation of Volume filling Earth – III Section
 Sponsor : Tamil Nadu Slum Clearance Board, Trichy Division, Thiruchirapalli - 1
 Investigators : S. Mohan, G.Janardhanan, K.S.A. Dineshkumar
 Duration : July 2012 to October 2012
 Amount : Rs. 70, 000
57. Project title : TNSCB – Pillayarpaty Ph.II – Computation of Volume filling Earth
 Sponsor : Tamil Nadu Slum Clearance Board, Trichy Division, Thiruchirapalli - 1
 Investigators : S. Mohan, G. Janardhanan, K.S.A. Dineshkumar
 Duration : September 2012 to November 2012

- Amount : Rs. 1, 00, 000
58. Project title : TNSCB Total Station Survey Perumbakkam Scheme under JNNURM-II
 Sponsor : Tamil Nadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, G.Janardhanan, K.S.A. Dineshkumar
 Duration : September 2012 to December 2012
 Amount : Rs. 1, 00, 000
59. Project title : Preparation of Social Economic Survey, Slum MIS, Topographical Survey, GIS Based Slum Mapping in Tirunelveli Region
 Sponsor : Tamil Nadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, and G.Janardhanan
 Duration : July 2011 to July 2012
 Amount : Rs. 23, 00,000
60. Project title : Preparation of Social Economic Survey, Slum MIS, Topographical Survey, GIS Based Slum Mapping in Trichy Region
 Sponsor : Tamil Nadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, ESM Suresh, V. Shanmugha Neethi
 Duration : From July 2011 to July 2012
 Amount : Rs. 83, 27,390
61. Project title : Preparation of Social Economic Survey, Slum MIS, Topographical Survey, GIS Based Slum Mapping in Coimbatore Region
 Sponsor : Tamilnadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, K.S.A. Dineshkumar, R. Ravichandran
 Duration : November 2011 to June 2012
 Amount : Rs. 74, 87, 730
62. Project title : Ground Water Modeling Study for the multi-layer Coastal Aquifer System of Neyveli Hydro-Geological Basin
 Sponsor : Neyveli Lignite Corporation Limited
 Investigators : S. Mohan and K.S.A. Dinesh Kumar
 Duration : February 2011 – June 2013
 Amount : Rs. 24,80,000
63. Project title : Pilot study for reviewing the corporate needs and including arts and Science graduates in the Apprenticeship scheme
 Sponsor : Board of Apprenticeship Training. Chennai
 Investigators : S. Mohan, and V. Thanikachalam
 Duration : Oct 2010 – Oct 2011
 Amount : Rs. 9, 96,200
64. Project title : Preparation of DPR for establishing Polytechnic Colleges at Lakshawdeep
 Sponsor : Govt. of Lakshawdeep
 Investigators : S. Mohan, and S. Dhanapal
 Duration : Aug 2009 to Aug 2011
 Amount : Rs. 2, 00, 000

65. Project title : GIS Mapping of selected cities in Chennai and Slum Information Management System
 Sponsor : Tamil Nadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, G. Janardhanan, K.S.A. Dinesh Kumar and K.S. Giridharan
 Duration : June 2010 to December 2010
 Amount : Rs. 1, 99, 147
66. Project title : TNSCB Total Station Survey Perumbakkam Scheme under JNNURM
 Sponsor : Tamil Nadu Slum Clearance Board, Chennai
 Investigators : S. Mohan, G. Janardhanan, K.S.A. Dinesh Kumar and T. Jagatharakshan
 Duration : June 2010 to December 2010
 Amount : Rs. 7, 52, 698
67. Project title : Checking the design and monitoring the project of First Cell of the Phase II Landfill at common hazardous waste treatment, storage and disposal Facility
 Sponsor : Ramky Group, Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : June 2010 to December 2010
 Amount : Rs. 2, 50,000
68. Project title : Study on Land use and Land cover Changes in Mine II - Neyveli
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan, G. Janardhanan, and K.S.A. Dinesh Kumar
 Duration : June 2010 to December 2010
 Amount : Rs. 3, 50,000
69. Project title : Evaluation of Resettlement Action Plan Implementation for East Coast Corridor: Socio-Economic and Environmental Aspects
 Sponsor : Tamil Nadu Road Sector Project under World Bank Scheme
 Investigators : S. Mohan and V.K. Natarajan
 Duration : 2009 – 2010
 Amount : Rs. 9, 60,000
70. Project title : Analysis of Brine Sludge
 Sponsor : Tamil Nadu Petroproducts Limited, Manali, Chennai
 Investigators : S. Mohan, G. Janardhanan
 Duration : March 2010 to March 2011
 Amount : Rs. 1, 50,000
71. Project title : Storm Water design for the air force runway
 Sponsor : Garrison Engineer, Air Force, India.
 Investigators : S. Mohan and S.R. Gandhi
 Duration : 2009 – 2010
 Amount : Rs. 75,000
72. Project title : Checking the design and monitoring the project of First Cell of the Phase II Landfill at common hazardous waste treatment, storage and disposal Facility
 Sponsor : Ramky Group, Chennai
 Investigators : S. Mohan, G. Janardhanan

- Duration : June 2010 to December 2010
Amount : Rs. 2, 50,000
73. Project title : Design of Rainwater Harvesting System for Electrosteel Industry Premises, Kolkata
Sponsor : Electrosteel Industries Limited, Kolkata
Investigator : S. Mohan
Duration : November 2009 to August 2010
Amount : Rs. 1, 52,760
74. Project title : Integrity Assessment of Mercury Bearing Sludge Storage Pit.
Sponsor : Tamil Nadu Petroproducts Limited, Manalli, Chennai
Investigators : S. Mohan, G. Janardhanan
Duration : Sep 2009 – Dec 2009
Amount : Rs. 1, 00,000
75. Project title : Design of Storm Water Drainage system for the Cochin Refineries Ltd.
Sponsor : Cochin Refineries Ltd.
Investigator : P.K. Aravindan, Muthu Krishnan & Dr. S. Mohan
Amount : Rs. 2, 50,000
76. Project title : Design of Cell in the Hazardous Waste Storage Facility.
Sponsor : Ramky Environmental Systems, Hyderabad
Investigator : S. Mohan
Duration : One Year
Amount : Rs. 2, 00,000
77. Project title : Checking Design & Performance Analysis of Common Waste Disposal Facility at SIPCOT, Gummidipoondi.
Sponsor : Tamilnadu Waste management Limited, Chennai
Investigators : S. Mohan, S.R. Gandhi and A. Boominathan
Duration : 18 months
Amount : Rs. 5, 50,000
78. Project Title : Development of policy framework for managing induced development of Coastal road corridors
Sponsor : TNRSP Highways Department, Govt. of Tamilnadu
Investigator : S. Mohan
Duration : April 2009 to June 2010
Amount : Rs.24, 65,055
79. Project title : Design of Rainwater Harvesting System for Electrosteel Industry.
Sponsor : Electrosteel Industries Limited, Kolkata
Investigator : S. Mohan
Duration : Six Months
Amount : Rs. 1, 50,000
80. Project title : Educational Consultancy on the Recruitment of Engineers.

- Sponsor : Tirupathi Tirumala Devasthanam, Tirupathi.
Investigators : S. Mohan and S. Narasimha Rao
Duration : Six Months
Amount : Rs. 50,000
81. Project title : Evaluation of Solidwaste Processing Facility for Guntur City
Sponsor : Guntur Municipal Corporation, Guntur.
Investigator : S. Mohan
Duration : Six Months
Amount : Rs. 5, 00,000
82. Project title : Design of Storm Drainage System.
Sponsor : Indian Oil Corporation Ltd., Cochin.
Investigator : S. Mohan
Duration : Six Months
Amount : Rs. 50,000
83. Project title : Design of Recovery Plant for Nitrocellulose from Wastewater of
CORDITE Factory,
Sponsor : CORDITE Factory, Aruvangadu, Nilgiris.
Investigators : S. Mohan & DVS Murthy (Chemical Engg.)
Duration : One Year
Amount : Rs. 2, 50,000
84. Project title : Study on Environmental Impacts of Effluents on Groundwater.
Sponsor : Penar Specialities Ltd., Madurai.
Investigator : S. Mohan
Duration : One Year
Amount : Rs. 1, 12,200
85. Project title : Air Quality Monitoring in and Around the Furnace Unit.
Sponsor : Ventura Power Systems India Ltd., Chennai
Investigators : S. Mohan, K. Gopalakrishna & SNM Shiva Nagendra
Duration : Six Months
Amount : Rs. 1, 12,360
86. Project title : Environmental Audit Study of Gunpowder Factory.
Sponsor : CORDITE Factory, Aruvangadu, Nilgiris.
Investigators : S. Mohan & DV S Murthy (Chemical Engg.)
Duration : Six Months
Amount : Rs. 1, 12,200
87. Project title : Assessment of Treatment Options for Combined Treatment of Effluents from
Domestic and Small Scale Textile Dyeing Units in Erode
Sponsor : Tamilnadu Water Supply and Drainage Board, Erode.
Investigator : S. Mohan
Duration : Six Months
Amount : Rs. 58, 000
88. Project title : Design of Wet Scrubber for Boilers.
Sponsor : UNICON Engineers, Coimbatore

- Investigators : S.Mohan & SNM Shiva Nagendra
Duration : Six Months
Amount : Rs. 30,000
89. Project title : Analysis of Bio-Sludge for Landfill Applications.
Sponsor : Indian Additives Ltd, Chennai.
Investigator : S. Mohan
Duration : 2 months
Amount : Rs. 10,800
90. Project title : Water Quality Analysis and Performance Monitoring of Water Treatment Plant.
Sponsor : Neyveli Lignite Corporation Limited, Neyveli.
Investigator : S. Mohan
Duration : One Year
Amount : Rs. 82,650
91. Project title : Technical Services For setting up of Sewage Treatment Plant.
Sponsor : Tidal Park, Chennai.
Investigators : S. Mohan, K. Gopalakrishna & K. Ramamurthy
Duration : One Year
Amount : Rs. 2, 00,000
92. Project title : Rectification of Cyanide Problems in Effluent Treatment Plant & Performance Analysis.
Sponsor : Gabriel India Limited, Hosur
Investigators : S.Mohan & K. Gopalakrishna
Duration : One Year
Amount : Rs. 1, 10,000
93. Project title : Numerical Modelling of Bhavani Kattalai Barrage III
Sponsor : IHH, Poondi, PWD, Govt. of Tamilnadu
Investigator : S. Mohan
Duration : One Year
Amount : Rs. 1, 65,300
94. Project title : Design of Rainwater Harvesting System for the Industry Complex
Sponsor : Electro-Steel Corporation, Chennai
Investigators : S. Mohan & K. Ramamurthy
Duration : Six Months
Amount : Rs. 50,000
95. Project title : Assessment of Return flows in Periyar- Vaigai Systems
Sponsor : Hydrology Project, Public Works Dept., Govt. of Tamilnadu.
Investigator : S. Mohan
Duration : One year
Amount : Rs.1, 50,000
96. Project Title : Design of Earth Dams for Polavaram Project
Sponsor : CR18G – BSCPL Joint Venture, Hyderabad
Investigators : S. Mohan, S, Narasimha Rao, and P.S. Rao
Duration : August 2008 to June 2009

- Amount : Rs.5, 00,000
97. Project Title : Evaluation of Solid Waste Processing Facility in Municipal Corporation, Guntur
 Sponsor : Commissioner Municipal Corporation, Guntur
 Investigator : S. Mohan
 Duration : July 2008 to Jan 2009
 Amount : Rs.5, 00,000
98. Project title : Design Proof Check for Cyclic Activated Sludge Technology
 Sponsor : Madurai Municipal Corporation, Madurai.
 Investigator : S. Mohan
 Duration : August 2008 to May 2009
 Amount : Rs. 8, 00,000
99. Project title : Design of Effluent Treatment System for Seabass Hatchery
 Sponsor : Rajiv Gandhi Centre for Aquaculture, Sirkaali.
 Investigators : S. Mohan & K. Gopalakrishna
 Duration : April 2008 to Oct 2008
 Amount : Rs. 2, 00,000
100. Project Title : Evaluation of Design of proposed Landfill at Visakapatnam
 Sponsor : Ramky Enviro Engineer Ltd.
 Investigators : S. Mohan and S.R. Gandhi
 Duration : Jan 2008 to Oct 2009
 Amount : Rs.5, 61,800
101. Project title : Environmental Audit of an Effluent Treatment system and Reject Management System of a Textile Processing Unit
 Sponsor : Pioneer Processing India.Ltd, Erode.
 Investigators : S. Mohan and Indumathi Nambi
 Duration : Six Months
 Amount : Rs. 1, 50,000
102. Project Title : Technology Validation of Spent Pot Liming Liquor Utilization
 Sponsor : Indus Smelters Ltd., Raipur
 Investigator : S. Mohan
 Duration : Jan 2008 to July 2009
 Amount : Rs.49, 815
103. Project title : Compilation and Validation of Water Quality Data of Rivers
 Sponsor : Tamilnadu Pollution Control Board, Chennai.
 Investigator : S. Mohan
 Duration : Six Months
 Amount : Rs. 60,000
104. Project title : Design Checking and Approval for 50MLD & 62.5 MLD Sewage Treatment Plants in Jaipur
 Sponsor : VA TECH WABAG Limited, Chennai
 Investigators : S. Mohan, R.Sarathy (Elect. Engg.) & R. Gnanamurthy (Mech Engg)
 Duration : One Year

- Amount : Rs. 6, 66,000
105. Project title : Review of Alternate Alignments for the Hyderabad Outer Ring Road Project on Environmental and Technical Considerations - Phase-II
 Sponsor : Hyderabad Urban Development Authority, Hyderabad.
 Investigators : S. Mohan & A. Veeraraghavan
 Duration : One Year
 Amount : Rs. 12, 00,000
106. Project title : Study on infiltration measures into Ground Water Aquifer through Injection Wells to Maintain Groundwater Levels
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli.
 Investigator : S. Mohan
 Duration : Sep. 2005 to May 2009
 Amount : Rs.7, 35,300
107. Project title : Development of Simulation Model to Analyze the flow pattern in the Cauvery Basin
 Sponsor : Cauvery Technical Cell, Govt. of Tamilnadu, Chennai
 Investigator : S. Mohan
 Duration : April 2004 – March 2005
 Amount : Rs.2, 95,000
108. Project title : Design of Water Treatment System for Mine- IA water
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : S. Mohan, S. Kumaraswamy, R. Ambalavanan, and K. Ramamurthy
 Duration : Nov. 2003 – June 2004
 Amount : Rs.2, 50,000
109. Project title : Evaluation of Ground water Fluctuation near Chembarambakkam Reservoir and its Impact on Proposed Water Treatment Plant
 Sponsor : Ondeo Degremont Ltd.,
 Investigator : S. Mohan
 Duration : April 2003 – May 2003
 Amount : Rs.30, 000
110. Project title : Design of Rainwater Harvesting System for LANCO Industries
 Sponsor : LANCO Industries, Khalakasthi, A.P.
 Investigators : S. Mohan & K. Ramamurthy
 Duration : Sept. 2002 – Jan. 2003
 Amount : Rs.25, 000
111. Project title : Development of Optimal Reservoir Operation Policies for Multipurpose Multi-Reservoir System using Soft-Computing Techniques based DSS.
 Sponsor : Institute for Water Studies, PWD, Govt. of Tamilnadu.
 Investigator : S. Mohan
 Duration : Aug. 2002 – March 2004
 Amount : Rs.6, 66,000

112. Project title : Development of Optimized Dewatering Scheme for Delhi Metro.
 Sponsor : Larson & Tubro Pvt. Ltd.
 Investigators : V.S. Raju & S.Mohan
 Duration : Feb 2002 – Dec. 2004
 Amount : Rs. 15, 00,000
113. Project title : Development of Groundwater Management System Model for the Multi-Aquifer Systems in Neyveli Basin.
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigator : S. Mohan
 Duration : May 2002 – June 2004
 Amount : Rs.10, 64,000
114. Project title : Estimation of Stage-Discharge Relationship for Puthan Dam
 Sponsor : Institute of Hydraulics and Hydrology, Poondi, PWD, Govt. of Tamilnadu
 Investigators : S. Mohan
 Duration : April 2002 – April 2003
 Amount : Rs. 1, 00,000
115. Project title : Design of Storm Water Treatment System for Neyveli Township – Phase II
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : S. Mohan, S. Kumaraswamy, K. Ramamurthy and Ligy Philip
 Duration : Oct. 2001 – Jan. 2004
 Amount : Rs. 6, 50,000
116. Project title : Design of Storm Water Treatment Plant for Neyveli Township- Phase - I
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigator : S. Mohan
 Duration : Oct 2001 – Jan. 2004
 Amount : Rs.6, 50,000
117. Project title : Advice on Return Flow Study on Periyar Main Canal
 Sponsor : Public Works Department, Govt. of Tamilnadu
 Investigator : S. Mohan
 Duration : July 2001 – July 2002
 Amount : Rs.35, 000
118. Project title : Ground Water Samples Analysis and Interpretation
 Sponsor : Neyveli Lignite Corporation Limited, Neyveli
 Investigators : S. Mohan
 Duration : June 2001 – Jan. 2002
 Amount : Rs.1, 80,000
109. Project title : Design of Rain Water Harvesting System
 Sponsor : Electromech Industries

- Investigators : S. Mohan
Duration : May 2001 – Sept. 2001
Amount : Rs.25, 000
110. Project title : Development of Training Module on GIS and their Applications in Environmental Engineering
Sponsor : Tamil Nadu Pollution Control Board, Chennai under DANIDA Project.
Investigator : S. Mohan
Duration : Jan. 2001 – Dec. 2001
Amount : Rs. 2, 50,000
111. Project title : Development of Optimal Pumping Plans for Pressure Control in Existing and Future Mines in Neyveli
Sponsor : Neyveli Lignite Corporation, Neyveli.
Investigator : S. Mohan
Duration : Aug. 2000 – Dec. 2003
Amount : Rs. 11, 50,000
112. Project title : Modeling of Sea Water Intrusion in South-Chennai Aquifer System
Sponsor : Institute for Water Studies, PWD, Govt. of Tamilnadu
Investigator : S. Mohan
Duration : Aug. 2000 – July 2004
Amount : Rs. 12, 40,000
113. Project title : Testing of bricks made up of Clay Sand & Sludge for their Quality and Strength
Sponsor : Needle Industries (India) Ltd.,
Investigators : S. Mohan
Duration : Jan. 2000 – Feb. 2000
Amount : Rs. 10,000
114. Project Title : Calibration of Water Current Meters
Sponsor : Various Agencies such as Central Water Commission, Public Works Department, Technolab Instruments, M/s. Asea Brown Boveri Ltd, Regional Research Laboratory, Tarang Kinetics Limited, Lawrence and Mayo (India) Pvt. Ltd., The Western Precision Instruments Empori, Richardson & Cruddas(1972) Ltd., National Mineral Development Corpn. Ltd., Hydromat Instruments, Electromec Equipments
Investigator : S. Mohan
Duration : 1999 to 2003
Amount : Rs.9, 17,500
115. Project title : Borewell and DM plant Water Sample Testing
Sponsor : M/s. Asea Brown Boveri Ltd.,
Investigators : S. Mohan
Duration : Sept. 1999 – Oct. 1999
Amount : Rs. 25,000

116. Project title : GIS based Regional Micro level Model for Assessment of Recharge in Neyveli Watershed basin.
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigator : S. Mohan
 Duration : June 1999 – Feb 2002
 Amount : Rs. 6, 50,000
117. Project title : Application of System Models for Planning and Management of Water Resources System
 Sponsor : Krishnan Associates, Chennai
 Investigator : S. Mohan
 Duration : April 1999 – Feb. 2003
 Amount : Rs. 8, 10,000
118. Project title : Study of Rainfall-Runoff Relations Based on a detailed Analysis of Time Series
 Sponsor : Institute for Water Studies, Public Works Dept., Govt. of Tamilnadu.
 Investigator : S. Mohan
 Duration : Jan. 1999 – April 2002
 Amount : Rs. 6, 78,000
119. Project title : Design of Storm Water Treatment System for Neyveli Township
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : S. Mohan, S. Kumaraswamy, DVS Murthy, and K. Ramamurthy
 Duration : Dec. 1998 – Oct. 2000
 Amount : Rs. 5, 00,000
120. Project title : Water Quality Analysis and Modeling of Neyveli Aquifer Basin.
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigator : S. Mohan
 Duration : July 1998 – Aug. 2001
 Amount : Rs. 17, 00,000
121. Project title : Long Duration Artificial Recharge by Injection Wells
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : S. Mohan and H. Raman
 Duration : July 1998 – March 2002
 Amount : Rs. 6, 50,000
122. Project title : Assessment of Groundwater Recharge Potential in Neyveli Basin.
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : S. Mohan and H. Raman
 Duration : Oct. 1996 – Jan 2000
 Amount : Rs. 2, 50,000
123. Project title : Computer Aided Simulation of Tambaraparani River System
 Sponsor : World Bank through Govt. of Tamilnadu
 Investigators : H. Raman, K. Elango and S. Mohan
 Duration : Jan.1992 - Dec.1993.
 Amount : Rs. 24, 00, 000

124. Project title : Evaluation of Artificial Recharge alternatives for Neyveli Aquifer.
 Sponsor : Neyveli Lignite Corporation, Neyveli.
 Investigators : H. Raman and S. Mohan
 Duration : 1991-1992
 Amount : Rs.1, 00,000
125. Project title : Analysis of Soil Moisture Status in Cauvery Basin.
 Sponsor : Cauvery Technical Cell, Govt. of Tamilnadu, Madras
 Investigators : H. Raman, K. Elango and S. Mohan
 Duration : March 1990-Oct. 1991
 Amount : Rs.1, 05, 000
126. Project title : Design of Drainage System for North Madras Thermal Plant.
 Sponsor : Sri. Ranganathar & Co. Ltd. Madras
 Investigator : S. Mohan
 Duration : Oct – Dec 1988
 Amount : Rs.30, 000

Total fund generated through Consultancy Projects: Rs. 9, 39, 06, 650

XIII. Conferences/Seminars/Workshops/Short term Courses Organized

2018

- Organized an International workshop on “Advanced Industrial Wastewater Treatment”, by on 5th June 2018 at IIT Madras, Chennai.
- Organized a training Program “Sustainable Engineering Systems”, for Teachers from Hindustan Institute of Technology and Science Chennai during 2nd and 3rd August 2018.
- Organized an International workshop on “Innovations in Water & Wastewater Management: Supporting India’s urban transformation”, by International Water Association on 5th June 2018 at Crowne Plaza, Chennai

2017

- Conducted an International workshop on “Wastewater and Flood Management for Chennai city”, jointly by United Nations University, Japan & IITM during 6th to 8th December 2017 at Le Meridien, Chennai.

2016

- Conducted Short term course on “Environmental Systems Modeling, during 03-10-2016 to 08-10-2016 for Teachers from Engineering Colleges, at IIT Madras, Chennai.
- Organized National Conference on “Energy and Environment”, on 16th and 17 September 2016 in Codissia, Coimbatore.

2014

- Conducted a Workshop on Environmental & Pollution Control - Manual Preparation, during 17-02-2014 to 21-02-2014 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Water Quality Data Analysis and Interpretation, during 24-02-2014 to 28-02-2014 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Organized an International workshop on “Water Quality Analysis: Data Interpretation”, Karunya University, Coimbatore. This international workshop was in commemoration with World Water Day 24th March 2014.

- Conducted a Training Program “Effective Use of NMEICT Products in Teaching”, July 7th and 8th 2014, for Teachers from Engineering Colleges and Polytechnics, NITTTR Chennai.
- Conducted a Training Program “Effective Use of NMEICT Products in Teaching”, for Teachers from Engineering Colleges and Polytechnics, NITTTR Chennai during July 24th and 25th 2014
- Conducted an Awareness Program “Effective Use of NMEICT Products in Teaching”, for Teachers from Engineering Colleges and Polytechnics, NITTTR Chennai during August 7th 2014.
- Conducted an Awareness Program on “Effective Use of NMEICT Products in Teaching”, for Teachers from Engineering Colleges and Polytechnics, NITTTR Chennai during August 14th, 2014.

2013

- Conducted a short course on Environmental Engineering Laboratory Practice, during 21-01-2013 to 25-01-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Building Information Modeling and Sustainable Development using REVIT Architecture and Allied Autodesk Products, during 21-01-2013 to 01-02-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Organized an International seminar on “Technology and development: impact on water” 02nd March 2013, @ Sri Aravindar Engineering College, Setharapet, Villupuram District.
- Conducted a short course on Environmental Engineering Laboratory Practice - EXCITE Programme, during 08-07-2013 to 12-07-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Organized an Induction Training programme for Pollution Control Assistant Engineers, during 16.07.2013 to 27.07.2013, *Sponsored by: Tamilnadu Pollution Control Board, Chennai*
- Conducted a short course on Research Methodology, during 22-07-2013 to 26-07-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Green Building Concepts and Sustainable Development, during 07-10-2013 to 11-10-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Research Methodology in Engineering, during 28-10-2013 to 01-11-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Environmental Impact Assessment, during 28-10-2013 to 01-11-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Conducted a short course on Solid Waste Management, during 04-11-2013 to 08-11-2013 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Organized an International Seminar on “Technology innovation to promote sustainable development”, Periyar Maniammai University, Thanjavur on 22nd November 2013.

2012

- Conducted a short course on Solid Waste Management, during 13-02-2012 to 17-02-2012 for Teachers from Engineering Colleges, at NITTTR Chennai.

- Organized an International Seminar on “Sustainable Development and Environmental Management, 04-06 March 2012 at Gandhigram, in collaboration with Gandhigram Rural Institute.
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 27.03.2012 to 31.03.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 16.04.2012 to 20.04.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 14.05.2012 to 18.05.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 04.06.2012 to 08.06.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 19.06.2012 to 23.06.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department, during 23.07.2012 to 27.07.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Organized an Induction Training programme for newly recruited engineers of Highways Department. During 30.07.2012 to 03.08.2012, *Sponsored by: Highways Department, Govt. of Tamilnadu*
- Conducted a short course on Environmental Impact Assessment, during 05-11-2012 to 09-11-2012 for Teachers from Engineering Colleges, at NITTTR Chennai.
- Organized International Seminar on “Sustainability Education towards Millennium Development Goals” on 20th November 2012 jointly with Thiagarajar College of Engineering, Madurai
- Organized an International seminar on “Technology for Sustainable development: Focus on environment and health”, 17th November 2012 at SCAD College of Engineering Tirunelveli
- Coordinated Workshop on “Reclamation of Mined out areas to maintain Sustainable Biodiversity Environment” at NITTTR, Chennai on 24th December 2012.
- Coordinated One day Validation Workshop on “Establishing e-training environment for training technical teachers and students” on 28th December 2012
- Organized a National Workshop on Reclamation of Mined out areas to restore Sustainable Biodiversity, December 24, 2012 in collaboration with MoEF, Govt. of India at Chennai.

2011

- Organized the International Seminar on *Globalization of Engineering Institutions and Networking with International Universities*, at National Institute of Technical Teachers Training and Research Taramani, Chennai on 10th January 2011.
- Organized a training program on “*Computer Applications in Irrigation Water Management*” for the Engineers of Public Works Department, Govt. of Tamilnadu, during 7th – 11th February 2011.
- Organized a training program on “*Design of Irrigation Structures*” for the Engineers of Public Works Department, Govt. of Tamilnadu, during 25th – 29th April 2011.

- Organized a training program on “*Environmental Impact Assessment*” for the Engineers of Public Works Department, Govt. of Tamilnadu, during 27th June 2011– 1st July 2011.
- Organized a training program on “*Computer Applications in Irrigation Water Management*” for the Engineers of Public Works Department, Govt. of Tamilnadu, during 11th – 15th July 2011.
- Organized a training program on “*Design of Modern Irrigation Systems*” for the Engineers of Public Works Department, Govt. of Tamilnadu, during 25th – 29th July 2011.
- Organized an International Workshop on “Sustainable Education in Global Engineering Curricula” 15th September 2011 PSNA College of Engineering and Technology, Dindigul
- Organized an International Seminar/workshop “Role of Technical education in developing countries” 18th October 2011, VIT University, Vellore.
- Organized an International Workshop on “Development of Technical Education to Meet Millennium Development Goals” 11th November 2011 at Muthayammal Engineering College, Rasipuram, Nammakal

2010

- Organized the International Workshop on Climate Change and DIMS Technology in association with University of Nottingham, Kuala Lumpur, Malaysia during 1st -3rd December 2010, at Hotel Royal Chulan, Kulalumpur, Malaysia.
- Organized an International Seminar “Sustainable Environmental Awareness through Educational Media”, November 26, 2010 with Anna University of Technology. Madurai
- Organized One Day International Seminar on “Sustainable Technologies and Management” in collaboration with Gandhigram Rural Institute, Gandhigram on 25th November 2010.
- Organized One Day International Seminar on “Sustainable Environmental Awareness through Educational Media” in collaboration with Anna University of Technology, Madurai 26th November 2010.
- Organized a short term course on “Basics of Flood Modeling” for L&T Engineers from ECC Division, Chennai at NITTTR, Chennai from 29th September 2010 to 3rd October 2010.
- Organized one day International Seminar on “Role of Environmental Education in the Global Engineering Curricula” in collaboration with Coimbatore Institute of Technology, Coimbatore on 20th September 2010.
- Organized a National Workshop “Open dumping of Solid Waste and its Environmental Hazards”, April 20, 2010 (Sponsored by Ministry of Environment and Forests, Gol through National Awareness Campaign).
- Organized one day International Seminar on “Sustaining Quality in Engineering Education: Global Challenges” in collaboration with Thiagarajar College of Engineering, Madurai, at Madurai on 26th February 2010.
- Organized one day International Seminar on “Development of Quality Management Systems for Sustainable TVET” in collaboration with Colombo Plan Staff College for Technician Education, Philippines at National Institute of Technical Teachers Training and Research, Chennai, during January 28th, 2010.
- Organized one week in house Country Program “Generic Soft Skills Development” in collaboration with Colombo Plan Staff College for Technician Education, Philippines at National Institute of Technical Teachers Training and Research, Chennai, during January 25th - 30th 2010.
- Conducted a short course on Water Management, during 27-09-2010 to 01-10-2010 for teachers from Engineering Colleges, at NITTTR Chennai.

- Conducted a short course on Sustainable Development, during 18-10-2010 to 22-10-2010 for Teachers from Engineering Colleges, at NITTTR Chennai.

2009

- Organized a one-week training program “MIS – Environment Impact Assessment for PWD Engineers” at National Institute of Technical Teachers Training and Research, Chennai, during Nov 23rd – 27th, 2009.
- Organized a National Workshop on “*Climate Change and Its Impacts and Adaptation*” at National Institute of Technical Teachers Training and Research, Chennai, on during 16th September 2009.
- Organized a National Workshop on “*Environmental Management*” at National Institute of Technical Teachers Training and Research, Chennai, on during 26th June 2009.

2008

- Organized a National Workshop on “*Sustainable Environment*”, at Thiagarajar College of Engineering, Madurai, jointly organized by IIT Madras and TCE, Madurai, during 14th -15th March 2008.
- Organized an Indo-French Workshop on “*Water and Wastewater Treatment and Management*” jointly organized by IIT Madras and INSA Lyon, France at IIT Madras, during 4th -6th February 2008.
- Organized a National Seminar on “*Nanotechnology and Society*”, jointly organized by IIT Madras and Bannari Amman Institute of Technology, Sathyamangalam, Coimbatore, at Bannari Amman Institute of Technology, Sathyamangalam, on 24th January 2008. (as part of VRD Chennai Programme)

2007

- Organized a National Workshop on “*Strategies for Sustainable Environment (NWSSE- 2007)*”, IIT Madras, 26th -27th September 2007.
- Organized a training program on “*Advanced Methods of Wastewater Sampling, Quality, Analysis and Data Interpretation for Sewage Treatment Plants Design*”, for the Engineers from Hyderabad Urban Development Authority, Hyderabad, during 13th – 19th August, 2007.
- Organized a training program on “*Environmental Impact Assessment*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 16th – 20th July 2007.
- Organized a training program on “*Ambient Air Quality Management*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 2nd – 6th July 2007.
- Organized a training program on “*Hazardous Waste Management*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 25th – 29th June 2007.
- Organized a training program on “*Water Quality Management*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 7th – 11th May 2007.
- Organized a National Seminar on “*After Tsunami: Lessons Learnt and Future Strategies*”, jointly organized by IIT Madras and French Institute of Pondicherry, at Pondicherry on 24th February 2007. (as part of VRD Chennai Programme)
- Organized a training program on “*Design of Wastewater Treatment Systems*”, for the Engineers from Hyderabad Urban Development Authority, Hyderabad, during 22nd – 27th January 2007.

2006

- Organized a training program on “*Theory and Practice of Wastewater Management*” for the Engineers from Hyderabad Urban Development Authority, during 26th Oct. -2nd Nov. 2006.
- Organized a National Seminar on “*Energy and Environment*”, jointly organized by IIT Madras and Vellore Institute of Technology, at Vellore on 7th October 2006. (as part of VRD Chennai Programme)
- Organized a training program on “*Environmental Impact Assessment and Remediation Methods*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 20th -24th, March 2006.
- Organized a training program on “*Water Quality Modeling*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 27th February – 3rd March 2006.
- Organized a training program on “*Air Quality Modeling*” for the Engineers and Scientists of Tamilnadu Pollution Control Board, Chennai, during 16th -20th, January 2006.

2005

- Organized a training program on “*MODFLOW Models Ground Water Management*” for the Geologists of Neyveli Lignite Corporation Ltd. during 27th -30th, December 2005.
- Organized a Short Course on “*Environmental Impact Assessment*” at IIT Madras, for Teachers from Engineering Colleges and for Practicing Engineers, 12th-23rd December, 2005.
- Organized an International Workshop on “*Impact of Climate Change on Water Related Infrastructures in Developing Countries (IWISACC-2005)*”, IIT Madras, 25th -26th August 2005.
- Organized a National Conference on *Advances in Water Engineering for Sustainable Development (NCAWESD- 2005)*, IIT Madras, 16th -17th May 2005.
- Organized a National Workshop on “*Incineration and Solid Waste Management*”, April 29th to 30th 2005.

2004

- Organized a training program on “*Ground Water Modeling*” for the Geologists of Neyveli Lignite Corporation Ltd. during 22-27, November 2004.
- Organized a Short Course on “*Computer Applications in Water Resources*” at IIT Madras, for engineers from PWD, Govt. of Tamil Nadu during 19th-24th Jan. 2004.

2003

- Principal Co-ordinator for Short term Course on “*Design of Irrigation Structures using Computers*”, 23rd-28th, December 2003.

2002

- Organized a training program on “*Sea water Intrusion Modeling Studies*”, during November 11-15, 2002.
- Organized a Workshop on “*Sea water Intrusion Modeling in the Coastal Aquifer Systems*”, during November 29th, 2002.
- Organized a training program on “*Application of System Models for Planning and Management of Water Allocation*”, during August 19-23, 2002.

2001

- Organized a National Workshop on “*Rain Water Harvesting*”, 15th-16th, Dec. 2001. Organized a training program on “*Rainfall-Runoff Modeling*”, during June 26-29, 2001.
- Principal Co-ordinator for QIP Short term Course on “*GIS and Their Applications in Environmental Engineering*”, 4th-9th, June 2001.

2000

- Organized a Short-term Course on “*Environmental Systems Management*”, 8-12, December 2000.
- Principal Co-Ordinator for CEP Short term Course on “*GIS and Their Applications in Environmental Engineering*”, 13-22, July 2000.
- Organized an International Workshop on “*Maintenance of Irrigation Systems*”, during Jan 24-25, 2000.

1998

- Principal Co-Ordinator for Short term Course on “*Fuzzy Systems Modelling in Civil Engineering*”, 3-6, June 1998.

1997

- Organizing Secretary for a National Conference on “*Fuzzy sets and their Applications*” during June 1997.

1995

- Principal Co-ordinator for short-term course on “*Computer Applications in Irrigation Water Management*”, during December 1995.

1993

- Principal Co-ordinator for National Workshop on “*Planning for Drought Hazards Mitigation*” during May 1993, supported by Planning Commission and MHRD, GOI.

1992

- Principal Co-ordinator for short-term course on “*Computer Modelling of Water Resources Systems*”, during June 1992.

1990

- Organizing Secretary for a National Workshop on “*Water Resources Project Management*” during June 1990.

1989

- Principal Co-ordinator for short-term course on “*Computer Aided Statistical Analysis in Hydrology and Water Resources Engineering*”, during Nov - Dec 1989.

XIV International Post Graduate/Advanced Certificate Courses

2013

- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Sustainable Development and Environmental Management from 02.10.2013 to 26.11.2013. A total of 19 Participants from 14-member countries completed the course successfully.
- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Water Quality Analysis from 4th February to 29th March 2013. A total of 15 Participants from 11-member countries completed the course successfully.

2012

- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Sustainable Development and Environmental Management from 18th January to 15th March 2012. A total of 25 Participants from 13-member countries.
- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Sustainable Development and Environmental Management from 4th October to 29th November 2012. A total of 16 Participants from 12-member countries.

2011

- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Water Quality Analysis from 3rd August to 27th September 2011. A total of 18 Participants from 15-member countries.

2010

- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Water Quality Analysis from 04th August 2010 to 28th September 2010. A total of 21 Participants from 16 member of countries.
- Coordinated and organized ITEC/SCAAP sponsored 8 weeks course on Sustainable Development and Environmental Management from 20th October 2010 to 14th December 2010. A total of 19 Participants from 13 member of countries.

2008

- Directed the third edition of the International Post Graduate Course on “TECHNOLOGY AND SUSTAINABLE DEVELOPMENT” during 2nd January to 22nd April 2008. This course is also jointly organized by Ecole Polytechnique Federale De Lausanne, Switzerland and IIT Madras.

2005

- Directed the second edition of the International Post Graduate Course on “TECHNOLOGY AND SUSTAINABLE DEVELOPMENT” during 3rd January to 15th April 2005. This course was jointly organized by Ecole Polytechnique Federale De Lausanne, Switzerland and IIT Madras.

2002

- Directed the International Post Graduate Course on “TECHNOLOGY AND SUSTAINABLE DEVELOPMENT” during 5th January to 19th April 2002. This course was jointly organized by Ecole Polytechnique Federale De Lausanne, Switzerland and IIT Madras. The participants were from all over the world.

XV. Other Services to the Profession

2019

- Acted as Chief Guest for 27th Annual Day Celebrations of Tamilnadu College of Engineering, Coimbatore, Tamilnadu, held on 08.04.2011
- Attended the First Meeting of High level Committee constituted for the establishment of World Class “Mega Science City” at IIT, Madras, on 03.05.2011
- Acted as Chief Guest and Resource Person for “National Technology Day” Celebration function in PSNA College of Engineering & Technology, Dindigul, held on 11.05.2011
- Acted as Chief Guest for Students Project Contest in National Institute of Fashion Technology, Chennai, held on 12.05.2011,

- Delivered Valedictory Address on the 2nd batch of IDDS Program at Velammal Engineering College, Chennai, held on 17.05.2011
- Chaired the Doctoral Committee Meeting for Mrs.S.Vidnodha at Karunya University, Coimbatore, held on 11.05.2011
- Attended the Doctoral Committee Meeting of Ms.Prateeba paul in Centre for Water Resources, Anna University, Chennai, held on 24.05.2011
- Delivered a lecture on “ICT for Technical Teacher Training” in Second State Level Science and Technology Conference, jointly organized by Karnataka State Council for Science and Technology and Department of Science and Technology, Government of Karnataka at Indian Institute of Science, Bangalore, held on 26.05.2011
- Attended the Combined Special Meeting of Twelfth Academic Council & Sixth Research Board Meeting of Periyar Maniammai University, Vallam, Thanjavur, held on 04.06.2011
- Attended the Academic Council Meeting of Sri Ramachandra University, Porur , Chennai as a member, held on 21.06.2011.
- Acted as Chief Guest for the function of Signing of MOU between NITTTR and Sri Aravindar Engineering College, Vanur, held on 30.07.2011.
- Delivered keynote address on the occasion of Teachers Day Celebration at KCG College of Technology, Chennai, held on 05.09.2011.
- Acted as Chief Guest for Dr.C.P.Gopalapuram Endowment Lecture programme on “Meet the Scientist “and delivered a lecture on “Bio-Mimicry” organized by Tamilnadu Science and Technology Centre, Chennai, held on 07.09.2011.
- Delivered Inaugural address in International Workshop on “Sustainable Education in Global Engineering Curricula” held at P.S.N.A. College of Engineering and Technology, Dindigul.
- Inaugurated and Delivered keynote Address on Sci-Tech Expo 2012 - Science and Tech Exhibition in Sree Sastha Institute of Engineering and Technology, Chennai – 123, held on 09.01.2012.
- Delivered Invited Lecture on Climate Change and Climate Modelling at the Two day National Workshop on Environment and Climate Modelling at SRM University, Chennai, held on 20.01.2012
- Chief Guest for Parents Day Celebration in St.Michael’s Academy, Chennai - 20, held on 28.01.2012
- Chairman for Technical Session II - Climate Change Impacts & Management on International Conference on “Climate Change and CO₂ Management: Mitigation, Separation and Utilization”, held on 03.02.2012
- Chief Guest, held on 20.01.2012 for the College Day function of Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, held on 07.03.2012
- Chief Guest for 14th Annual day function of Karpagam Polytechnic College, Coimbatore, held on 16.03.2012
- Conducted Doctoral Committee meeting for Ms.Balambal Usha at Centre for Water Resources, Anna University, Chennai, held on 20.03.2012
- Chief Guest for National Seminar on “Sustainable Technologies for Intelligent Water and Environmental Management (STIWEM – 2018)” at Annamalai University held on 22.03.2018.

XV Research Publications

National Journals	: 58
International Journals	: 71

National Conférences : 122
International Conférences : 98
Books, Chapters in Books, & Manuals : 08
Research Reports : 06

(Details are given in Annexure – I)

XVI. Ph.D Theses Examiner

Ph.D Theses Evaluated : 75
M.S. Theses Evaluated : 5

(Details are given in Annexure – II)

XVII. Personal Data

Date of Birth : 22nd February 1959
Married : Two Children - One Daughter (Ms. Abhinaya Mohan) &
One Son (Mr. Ajay Roopesh)
Passport Number : K 3281932 (Valid Up to 17th May 2022)
Nationality : Indian

Annexure- I
LIST OF RESEARCH PUBLICATIONS

I. REFEREED INTERNATIONAL JOURNALS:

2019

1. Yu Tachibana, Vijay Vidyadharan Nair, **S. Mohan** and Tatsuya Suzuki (2019), "Chromatographic fractionation of lithium isotope in aqueous solution using bifunctional ion exchange resin", *Separation Science and Technology*, pp. 1 – 10.
2. **S. Mohan** and P. Balakrishnan (2019), "Triclosan in Treated Wastewater from a City Wastewater Treatment Plant and its Environmental Risk Assessment", *Water, Air, & Soil Pollution*, Vol. 230, Issue 3, pp. 69.

2018

3. **S. Mohan**, G.R. Abhijith and B. Aneesh (2018), "Modeling chlorine response to uncontrolled contamination events in drinking water distribution systems", *Journal of Water Supply: Research and Technology-Aqua*, Vol. 67, Issue 8, pp. 834 – 845.
4. M. Muthuramalingam and **S. Mohan** (2018), "An Explorative Analysis of the Effectiveness of Training Programme on Skill Development of Slum Dwellers in Chennai", *International Journal of Civil Engineering and Technology*, Vol. 9, Issue 4, pp. 9-14.

2017

5. A. Murugappan, S. Sivaprakasam and S. Mohan (2017), "Ranking of Plotting Position Formulae in Frequency Analysis of Annual and Seasonal Rainfall at Puducherry, South India", *Global Journal of Engineering Science and Researches*, Vol. 4, No.7, pp. 67 – 76.
6. **S. Mohan**, Vijay V. Nair and Charles P. Joseph (2017), "Impact of Leachate from Open-dumping of Municipal Solid Waste on Groundwater Quality", *International Journal of Earth Sciences and Engineering*, Vol. 10, No. 05, pp. 938-944
7. S. K. Pramada, **S. Mohan** and P. K. Sreejith, "Application of genetic algorithm for the groundwater management of a coastal aquifer", *ISH Journal of Hydraulic Engineering*, (2017), 3, pp.1-7.
8. Marykutty Abraham and **S. Mohan**, "Role of Artificial Structures in Enhancing Ground water Quality- A Modeling Study", *International Journal of Earth and Atmospheric Science*, (2017), Vol. 4, Issue 2, pp.107-116.

2016

9. **S. Mohan** and K. Pavan Kumar, "Waste Load Allocation Using Machine Scheduling: Model Development and Formulation", *Environmental Processes*, (2016), 3, pp.125-137.
4. **S. Mohan** and K. Pavan Kumar, "Waste Load Allocation Using Machine Scheduling: Model Application", *Environmental Processes*, (2016), 3, pp.139-151.

2015

5. Saravanan R, **S. Mohan**, and A.N.G. Krishnan, "Scale Effect on Dispersion Coefficient of Conservative Solute Through Break Through Curve (BTC): Experimental Study", *International Journal of Earth Science and Engineering*, Vol. 8, No. 02, April 2015, pp. 793-801.
6. K.S.A. Dinesh Kumar, **S. Mohan**, and S.S. Rama Krishnan, "Management Strategies of a Coastal Basin Through Regional Groundwater Modelling", *International Journal of Applied Engineering Research ISSN 0973-4562*, Volume 10, Number 7 (2015) pp. 16637-16653.

2014

7. Dineshkumar, KSA, **S. Mohan**, and S. S. Ramakrishnan, (2014) "Assessment of Impacts on Groundwater Due to Open-cast Mining", *International Journal of Applied Environmental Sciences*, Vol. 9., No.6, pp. 2827-2856
8. **S. Mohan** and N. Ramsundram, (2014) Climate Change and its Impact on Irrigation Water Requirements on Temporal Scale, *Irrigation Drainage Systems Engineering*, Vol. 3, No. 118, pp. 2-10.

2013

9. **S. Mohan**, and R. Ethirajan (2013). "An integrated approach for source contribution estimation: a case study", *International Journal of Environment and Pollution*, Vol.53, No.1/2, pp.107 – 130.

2012

10. R. Ethirajan and S. Mohan, (2012). "Comparative Evaluation of VOC Source Profiles Developed by PMF and UNMIX Models", *International Journal of Environmental Science and Development*, Vol. 3, No. 5, October 2012, pp. 450-455.
11. Ramani bai V., **S. Mohan**, Raju D. and French J., (2012). "Asian Coastal Ecosystems: An Integrated Database and Information Management System (DIMS)". In: MADAN LALL SHRESTHA, ERNA SRI ADININGSIH and LINDA ANNE STEVENSON, eds., *APN Science Bulletin: Featured Articles March (2)*, 34-37.
12. K.S. Jinesh Babu, and **S. Mohan**, "Extended Period Simulation for Pressure-Deficient Water Distribution Network", *Journal of Computing in Civil Engineering, ASCE*, July/August 2012, pp. 1-9.

2011

13. Remya, N, Mathava Kumar, **Mohan, S**, Rafiq Azzam (2011) "Influence of Organic Matter and Solute Concentration in Nitrate Sorption", *Bioresource Technology* 102, 5283-5289P.
14. Jegathambal, S. Holger, J. Kongeter, R. Torsten, **S. Mohan**, P. Sundarambal, "Coupling of a Probabilistic Cellular Automaton and a stochastic algorithm for a reactive transport simulation in subsurface media", *International Journal of Environmental Engineering (IJEE)*, Vol. 3, No. 3/4, 2011, pp. 394-409.
15. Ramani bai V., **S. Mohan** and Reza Kabiri, (2011). "Towards a Database for an Information Management System for Climate Change: An Online resource" In: WALTER LEAL FILHO, ed., *Climate Change and the Sustainable Management of Water Resources: Climate Change Management 1*. Springer-Verlag. 61-67.

16. Murugappan, A., S. Sivaprakasam, and **S. Mohan**, "Performance Evaluation of Calibrated Hargreaves Method for Estimation of Ref-ET in a Hot and Humid Coastal Location in India", *International Journal of Engineering Science and Technology*, Vol. 3, No.6, June 2011, pp.4728-4735.
17. Sivaprakasam S, Murugappan A and **S. Mohan** "Modified Hargreaves equation for estimation of ET_o in a Hot and Humid Location in Tamilnadu State, India", *Int. Journal of Engineering Science and Technology*, Vol.3, No.1, Jan 2011, pp. 592-600.

2010

18. **S. Mohan**, Vivek Bedeker, J. Kongeter, and M. Spiller, "Sensitivity Analysis of Groundwater Flow Model by Automatic Differentiation Technique", *International Journal of Water Resources and Environment Management*, Vol. 1, No. 1, Jan-Jun. 2010, pp.53-65.
19. **S. Mohan** and Marykutty Abraham, "Derivation of Simple site-specific Recharge-Precipitation Relationships: A Case Study of Cuddalore Basin, India, *Environmental Geosciences*, Vol. 17, No. 1, March 2010, pp. 1-8.
20. **S. Mohan** and Jinesh Babu, K.S., "Optimal Water distribution Network Design with Honey-Bee Mating Optimization", *Journal of Computing in Civil Engg., ASCE*, Vol. 24, No. 1, January 2010, pp. 117-126.

2009

21. **S. Mohan** and R. Gandhimathi, "Removal of Heavy Metal Ions from Municipal Solid waste Leachate using Coal Flyash as an adsorbent", *Journal of Hazardous Materials*, Vol. 169, 1, May 2009, pp. 351-359. (**Impact factor: 4.331**).
22. **S. Mohan** and Jinesh Babu, K.S., "Water distribution Network Design Using Heuristics Based Algorithm", *Journal of Computing in Civil Engg., ASCE*, 23(5), 2009, pp. 249-257.
23. P. Jegathambal, Martin Spiller, J. Kongeter, and **S. Mohan**, "Multicomponent Reaction Modelling using a Stochastic Algorithm", *Comput. Visual Sci.*, Vol. 12, 2009, pp. 51-61.
24. **S. Mohan** and R. Gandhimathi, "Solid waste Characterization and the Assessment of the Effect of Dumping site Leachate on Groundwater Quality: A Case Study", *Int. J. Environment and Waste management*, Vol. 3, No. 1/2, 2009, pp. 65-77.
25. Ramani Bai, V., Reiner Bouwmeester, and **S. Mohan**., "Fuzzy Logic Water Quality Index and Importance of Water Quality Parameters", *Journal of Air, Soil, and Water Research*, 2009: 2, pp. 51-59.
26. **S. Mohan** and D. P. Vijayalakshmi, "Prediction of Irrigation Return flows Through a Hierarchical Modeling Approach", *Agricultural Water management*, 2009, Vol. 96(2009) pp. 239-246.

2008

27. **S. Mohan** and Sree Lakshmi, G. "Fixed Bed Column Study for Heavy Metal Removal Using Phosphate Treated Rice Husk". *Journal of Hazardous Materials*, Vol. 153/1-2, May 2008, pp. 75-82. (DOI information: 10.1016/j.jhazmat.2007.08.021)

- 28. S. Mohan** and Kavin Sumitha, V. "Removal of Cu (II) by Adsorption Using Casuarina Equisetifolia Bark". *Journal of Environmental Engineering Science*, Vol. 25, No. 4., April 2008. pp. 1-9.
- 29. S. Mohan** and Bindhu, B.K. (2008) Effect of Phase Separation on Anaerobic Digestion of Kitchen Waste, *Journal of Environmental Engineering & Science*, Canada, Volume 7, Number 2, March 2008. (ISSN 1496-256X, pp. 91-103).
- 30. S. Mohan** and D. P. Vijayalakshmi, "Estimation of Nash's IUH Parameters using Stochastic Search Algorithms", *Hydrological Processes*, 22, pp. 3507-3522, 2008.
- 31. S. Mohan**, R. Gandhimathi and Sree Lakshmi, G. "Isotherm Studies for Heavy Metal Adsorption on Rice Husk" *Asian Journal of Water, Environment and Pollution*, Vol. 5, No. 2., pp. 71-78, 2008.
- 32. S. Mohan** and P.K. Sahoo, "Stochastic Simulation of Droughts: Part-II: Regional Droughts", *Hydrological Processes*, 22, pp. 863-872, 2008.
- 33. S. Mohan** and P.K. Sahoo, "Stochastic Simulation of Droughts: Part-I: Point Droughts", *Hydrological Processes*, 22, pp. 854-862, 2008.
- 34. S. Mohan** and Neena Sunny, "Study on Biomethanization of Wastewater from Jam Industries", *Bioresource Technology*, Volume 99, Issue 1, January 2008, pp. 210-213.

2007

- 35. S. Mohan**, P.K. Sreejith, and S.K. Pramada, "Optimization of Open-pit Depressurization System Using Simulated Annealing Technique", *Journal of Hydraulic Engineering, ASCE*, Vol. 133, No. 7., pp. 825-830, July 2007.
- 36. Vairavamoorthy, K., Sunil D Gorantiwar and S. Mohan.**, "Intermittent water supply under water scarcity situations", *Water International*, Vol:32, No:1, pp-121-132, March 2007.

2006

- 37. S. Mohan** and S. T. Ramesh (2006), Development of Recirculation ratio Optimization Model for Activated Sludge Process by Genetic Algorithms, *International interdisciplinary journal on Environment*. (ISSN : 0975-0657), Vol.1., No.1., pp. 226-234. (paper number 20090106).
- 38. S. Mohan** and S.T. Ramesh, "Assessment of Recirculation Ratio Impacts on Mixed Liquor Suspended Solids in the Activated Sludge Process", *Asian Journal of Water, Environment and Pollution*, Vol. 3, No. 2., pp. 57-61, 2006.
- 39. Marykutty Abraham, O. Padmakumari, and S. Mohan**, "Evapotranspiration and Cooling System Performance for Crop production in Green gases", *Journal of Agricultural Engineering*, Vol. 9.,No.1, pp. 33-47, 2006.

2005

- 40. J. Senthilnathan, S. Mohan**, and K. Palanivelu, "Recovery of Chromium from Electroplating Wastewater Using DI-2-(Ethylhexyl) Phosphoric Acid", *Separation Science and Technology*, 40, 2125-2137, 2005.

41. **S. Mohan** and J. Sreeram , “Application of a neural network model for the containment of groundwater contamination”, *Journal of Land Contamination & Reclamation*, 13(1), pp. 81-98., UK., 2005

2003

42. E. Atkinson, K. Elango, **S. Mohan**, G. Fadda, and S. Cinus , “A Rational Approach to scheduling Main System Maintenance”, *Journal of Irrigation and Drainage systems*, Vol. 17, pp. 239-261, 2003.
43. **S. Mohan** and V.Jothiprakash , “ Implicit Stochastic Approach for Seasonal Planning of an Irrigation System, *International Water Resources Journal*, United Nations, June 2003, pp. 40- 52.
44. **S. Mohan**, K. Elango, M.G. Devamane and V. Jothiprakash, “ Evaluation of Multisite Synthetic Streamflow Generation Models, *International Water Resources Journal*, United Nations, June 2003, pp. 16-39.
45. **S. Mohan** and V. Jothiprakash, “Development of Priority Based Policies for Conjunctive use of Surface and Ground Water”, *Water International, IWRA*, Vol. 28, No. 2, pp. 254-267, June 2003.
46. V.M. Tom and **S. Mohan**,” Transit Route Network Design Using Frequency Coded Genetic Algorithm”, *Journal of Transportation Engineering, ASCE*, Vol. 129,No.2, pp.186-195, March 2003.

1998

47. S. B. Pattnaik, **S. Mohan** and V. M. Tom, “Urban Bus Transit Route Network Design using Genetic Algorithm”, *Journal of Transportation Engineering, ASCE*, Vol. 124, No. 4, pp. 368-375,1998.

1997

48. N. Arumugam, **S. Mohan** and Ramaprasad. "Sustainable Development and Management of Tank Irrigation Systems in South India", *Water International, IWRA*, Vol.22, pp. 90 - 97, 1997.
49. N. Arumugam and **S. Mohan**, “Integrated Decision Support System for Tank Irrigation System Operation”, *Journal of Water Resources Planning & Management, ASCE*, Vol. 123, No.5, pp. 266-273, 1997.
50. **S. Mohan** and N. Arumugam. "Expert Systems Applications in Irrigation Management: An Overview", *Computers and Electronics in Agriculture, Elsevier Science, The Netherlands*, Vol. 17, pp. 263-280, 1997.
51. **S. Mohan**. “Parameter Estimation of Non-linear Muskingum Models Using Genetic Algorithm”, *Journal of Hydraulic Engg., ASCE*, Vol. 123, No.2, pp. 137-112, 1997.

1996

52. **S. Mohan** and N. Arumugam. Discussion on “Comparison of Methods for Estimating REF-ET”, Paper No. 8180-IR-6, *Journal of Irrigation and Drainage Engg., ASCE*, Vol. 122, No.2, pp. 361-363, 1996.

53. Q. Liang, L.E. Johnson and **S. Mohan**, "Autoregressive Decision Rules in Aggregated Reservoir Operation", *Journal of Water Resources Planning and Management, ASCE*, Vol. 122, No.6, pp. 438-440, 1996.
54. **S. Mohan**, B. Simhadri Rao and N Arumugam. "Comparative Study of Effective Rainfall Estimation Methods for Low Land Rice", *Journal of Water Resources Management, Kluwer Academic Publishers, (Netherlands)*, Vol. 10, No.1, pp. 35-44, 1996.
55. **S. Mohan** and N. Arumugam. "Relative Importance of Meteorological Variables in Evapotranspiration: Factor Analysis Approach", *Journal of Water Resources Management, Kluwer Academic Publishers, (Netherlands)*, Vol.10, No.1, pp.1 - 20, 1996.

1995

56. **S. Mohan** and N. Arumugam. "Forecasting Weekly Reference Crop Evapotranspiration Series", *Hydrological Sciences Journal, (U.K)*, Vol. 40, No. 6, pp. 689-702, 1995.
57. H.Raman, **S. Mohan** and P. Padalinathan. "Models for Extending Stream flow Data: A Case Study", *Hydrological Sciences Journal, (U.K)*, Vol.40, No.3, pp. 381-393, 1995.
58. **S. Mohan** and N. Arumugam. "An Intelligent Front-End for Selecting Evapotranspiration Estimation Methods", *Computers and Electronics in Agriculture, Elsevier Press, (Netherlands)*, Vol. 12, No.44, pp. 295-309, 1995.
59. **S. Mohan** and S. Vedula. "Multiplicative Seasonal ARIMA Model for Long-Term Forecasting of Inflows", *Journal of Water Resources Management, Kluwer Academic Publishers, (Netherlands)*, Vol. 9, pp. 115-126, 1995.
60. N. Arumugam and **S. Mohan**. Discussion on "Irrigation Land Management Model", *Paper No. 025542-IR-1, Journal of Irrigation and Drainage Engg. Division, ASCE*, Vol.121, No. 1, pp. 122-123, 1995.

1994

61. **S. Mohan** and N. Arumugam. "Irrigation Crop Coefficients for Low-Land Rice", *Journal of Irrigation and Drainage Systems, Kluwer Academic Publishers, (Netherlands)*, Vol.8, No.3, pp. 159-176, 1994.
62. **S. Mohan** and N. Arumugam. "CROPES: A Rule-based Expert System for Crop Selection in India", *Trans. of American Society of Agricultural Engineers, U.S.A.*, Vol.37, No. 3, pp. 1355-1363, 1994.
63. **S. Mohan** and N. Arumugam. "Crop Coefficients of Major Crops in South India", *Agricultural Water Management, Elsevier Press*, Vol. 26, No. 1&2, pp. 67-80, 1994.

1993

64. **S. Mohan** and U. Saravanakumar. "Interstate, Multivalley, Multi-reservoir Simulation: A Case Study", *International Journal of Water Resources Development (U.K)*. Vol. 9, No. 3, pp. 305-317, 1993.

1992

65. **S. Mohan** and D.M. Raipure. "Multiobjective Analysis of Multireservoir System", *Journal of Water Resources Planning and Management, ASCE*, Vol. 118, No. 4, pp. 356-370, 1992.
66. H.Raman, **S. Mohan** and N.C.V. Rangacharya. "Decision Support System for Crop Planning during Droughts", *Journal of Irrigation and Drainage Engineering, ASCE*, Vol. 118, No.2, pp. 229-241, 1992.

1991

67. **S. Mohan** and J.B. Keskar. "Optimization of Multipurpose Reservoir System Operation", *Water Resources Bulletin, AWRA, USA*, Vol.27, No.4, pp. 621-629, 1991.
68. **S. Mohan**. "Inter-comparison of Evapotranspiration Estimates", *Hydrological Sciences Journal, (U.K)*, Vol.36, No.5, pp. 447-460, 1991.
69. **S. Mohan** and N.C.V. Rangacharya. "A Modified Method for Drought Identification", *Hydrological Sciences Journal, (U.K)*, Vol.36, No1, pp. 11-21, 1991.

1990

70. **S. Mohan** and Ramaprasad. "Evaluation of Evapotranspiration Estimation Methods in Mountainous Regions", *Journal of Ingenieurs et Architectes Suisses*, No. 18, pp. 356-358, 1990.
71. S. Vedula and **S. Mohan**. "Real-time Multipurpose Reservoir Operation: A Case Study", *Hydrological Sciences Journal, (U.K)*, Vol.35, No.4, pp.447-462, 1990.

II. REFEREED NATIONAL JOURNALS:

2015

1. Marykutty Abraham and **S. Mohan**, "Effectiveness of Artificial Recharge Structures in Enhancing Groundwater Storage: A Case Study", *Indian Journal of Science and Technology*, Vol. 8(20), pp. 1-10, 2015

2011

2. A.Murugappan, S. Sivapraksham and **S. Mohan**, "Prediction of solar radiation with air temperature data in a coastal location in Tamilnadu", *Journal of Meteorology*, Vol. 62, pp. 85-90, 2011

2009

3. Jothiprakash, V., **S. Mohan**, and K.Elango., "Assessing the zone of influence of a percolation pond using hydrological studies", *Journal of Applied Hydrology*, Vol. 22, No. 3&4, pp. 51-67, 2009.
4. **S. Mohan** and D.P. Vijayalakshmi, "Genetic Algorithm Applications in Water Resources", *Journal of Hydraulic Engineering, Indian Society for Hydraulics*, Vol. 15, 2009, No. SP-1, pp. 97- 128.
5. M.G. Devamane, V. Jothiprakash, and **S. Mohan**, "Storage Allocation and Release Rules for Multi-Reservoir System", *Hydrology Journal*, Vol. 32, No. 3-4, July-Dec. 2009, pp. 208-220.
6. Jothiprakash, V., and **S. Mohan**, "Effect of Length of Inflow Data in Explicit Stochastic Modelling Approach", *Hydrology Journal*, Vol. 32, No. 1-2, Jan-Jun 2009, pp. 38-58.

2008

7. S. T. Ramesh, **S. Mohan**, and Gandhimathi, R. (2008), "Environmental Impact Assessment Using Rapid Impact Assessment Matrix (RIAM) for Open Dumping Site, Chennai, India, *Journal of Indian Association for Environmental Management*, **35 (3)**, 149-156. (ISSN : 0970-8480)
8. **S. Mohan**, and A.S.S. Sekar, "Water Resources Management under Drought Conditions", *Journal of Hydological Research and Development*, Vol. 23, pp. 1-20, 2008.
9. **S. Mohan**, "Optimal Operation of a Tank Irrigation System", *Journal of Institution of Engineers (India), Civil Engg. Division*, Vol. 89, August 2008, pp. 21-27.

2007

10. **S. Mohan**, and S.T. Ramesh, "How Recirculation Ratio Affects Biological Solids Retention Time and Process Stability in the Activated Sludge Process", *Journal of the Institution of Public Health Engineers*, Vol. 07, No. 2., pp. 30-34. 2007.

2006

11. M.G. Devamane, V. Jothiprakash, and **S. Mohan**, "Non-linear Programming Model for Multipurpose Multireservoir Operation", *Hydrology Journal*, Vol. 29, No. 3-4, Sept.-Dec. 2006, pp. 33-46.
12. **S. Mohan**, and H. Ramesh, "Pipe Network Optimization Using Genetic Algorithm", *Journal of Indian Water Works Association*, Oct-Dec. 2006, pp. 11-19., 2006.
13. **S. Mohan**, and K. Badrish, "Genetic Algorithm Based Control of Activated Sludge Process Systems", *Journal of Indian Water Works Association*, Jul-Sep. 2006, pp. 27-36., 2006.
14. V. Jothiprakash, M.G. Devamane, and **S. Mohan**, "Comparative Study on Multisite Streamflow Generation Models: HEC4 and ANN", *Journal of Institution of Engineers, Civil Engineering Section*, Vol. 87, pp. 9-14, May 2006 (Awarded the **Union Ministry of Water Resources – Department of Irrigation Medal** by Institution of Engineers (India) for the Best paper among the papers published in the JI. of Institution of Engineers (India), Civil Engineering Division during the year 2006)
15. **S. Mohan** and Kumari Sangeetha, "Recharge Estimation Using Infiltration Models", *Journal of Hydraulic Engineering*, Vol. 11, No. 3, pp. 1- 10.

2005

16. **S. Mohan** and S.K. Pramada, "Management of South Chennai Coastal Aquifer System – A Multi Objective Approach", *Jalvigyan Sameeksha (Hydrology Review)*, Vol. 20, pp. 1-14., 2005.
17. **S. Mohan** and S.T. Ramesh, "Treatability Studies and Evaluation of Bio-Kinetic Parameters for Chennai Municipal Wastewater Using Activated Sludge Process", *Journal of Nature, Environment and Pollution Technology*, Vol. 4, No. 4, pp. 627-632. Dec. 2005.

2004

18. **S. Mohan** and M. Muthukumar, "Modelling of Pollutant Transport in Ground Water", *Journal of Institution of Engineers, Environmental Engg. Divn.*, Vol. 85, pp.22-32, Sep., 2004.

(Awarded the **Rekha Nandi and Bhupesh Nandi Medal** by Institution of Engineers (India) for the Best paper among the papers published in the Journal of Institution of Engineers (India), Environmental Engineering Division during the year 2004).

19. **S. Mohan** and N. Magesh, "Dependability of Irrigation and Hydropower During Drought", *Journal of Indian Water Resources Society*, Vol.24, No 3, pp.1-11, July, 2004.
20. **S. Mohan** and Kethari Gopi, "Modeling Groundwater Vulnerability Using GIS", *Journal of Geospatial Today*, pp.46-57, May-June., 2004.
21. **S. Mohan** and Sivahanmugham, R., 2004, "Reverse Osmosis Process for Wastewater Reuse: Performance Study-PART-II", *Journal of Indian Water Works Association*, Jan-Mar., 2004, pp. 13-19.

2003

22. **S. Mohan** and Ramani Bai, V., "Reliability Based Conjunctive Use Optimization Model for Crop Planning", *Indian Journal of Power & River Valley development*, Vol.53., pp.215-221, December, 2003.
23. **S. Mohan** and Sivahanmugham, R., 2003, "Reverse Osmosis Process for Wastewater Reuse: Performance Study- PART-I", *Journal of Indian Water Works Association*, Vol. 35, No. 4., Oct-Dec., 2003, pp. 295-299.

2002

24. **S. Mohan** and V. Jothiprakash., (2002) "Development of an interactive software for precipitation analysis", *Journal of Indian Water Resources Society*, Vol. 22 No. 2 pp 37-46.
25. **S. Mohan** and S. Sarasavani, "Optimal Routing of Solid Waste Transport Using GIS", *GIS India*, Vol. 11, No.2, Feb 2002, pp. 8-13.

2000

26. **S. Mohan** and V. Jothiprakash, "Fuzzy System Modelling for Optimal Crop Planning", *Journal of Institution of Engineers (India)*, Vol. 81, No.3, pp. 9-17, June 2000.

1999

27. **S. Mohan** and V. JothiPrakash, "Crop Water Requirements in a Command Area – A Comparative Analysis ", *Journal of Institution of Engineers (India), Civil Engg. Division*, Vol.79, No. 3, pp. 73-77. (**Awarded the Surendernath Mukherjee Memorial Medal by Institution of Engineers (India) for the Best Paper published in the JI. of Institution of Engineers (India) during the year 1999**).

1998

28. **S. Mohan** and M. Kesavan, " Waste Treatment System Modelling Using Neural Networks", *Indian Journal of Engineering and Material Science*, Vol. 5., August 1998, pp. 182-188.
29. **S. Mohan**, H.Raman, and K. Nagarajan, " Stochastic Linear Programming Model for Irrigation Planning", *Journal of Indian Water Resources Society*, vol. 18, No. 2, 1998, pp. 28-31.

1997

30. **S. Mohan** and K. Saravanan, "Computer Aided Design of Reverse Osmosis Desalination Plant" *Journal of Indian Water Works Association*, Vol.29, No.2, pp. 85-91, 1997. **(Awarded the Best Paper Award by Indian Water Works Association for the Year 1997)**

1996

31. N. Arumugam and **S. Mohan**. "Estimation of Stage wise Crop Co-efficients for Major Crops", *Journal of Indian Water Resources Society*, Vol. 16, No.3, pp. 29-34, 1996.
32. **S. Mohan** and N. Arumugam. "Economic Analysis of a Tank Irrigation System", *Journal of Indian Water Resources Society*, Vol. 16(2), pp. 89-95, 1996.

1995

33. H.Raman, **S. Mohan** and N. Sunilkumar. "Development of an Expert System for Flood Management", *Journal of Institution of Engineers (India), Civil Engg. Division*, Vol.77, pp.56-62, 1995
34. P. K. Sahoo and **S. Mohan** "Stochastic Modelling of Weekly Evapotranspiration Series", *Journal of Applied Hydrology*, Vol. 8, No.1-4, pp. 67-82, 1995.
35. **S. Mohan** and S. K. Ranganathamurthy. "Optimal Operation of an Inter-State Multipurpose Reservoir - A Case Study", *Indian Journal of Power & River Valley Development*, Vol. 59, pp. 123-130, 1995.

1994

36. **S. Mohan**. "Fuzzy Linear Programming Model for Water Resources Allocation", *Journal of Indian Water Works Association*, Vol. 26, No.3, pp. 155-158, 1994.

1993

37. H. Raman, K. Elango, **S. Mohan** and M. Venkateswara Rao. "Stochastic Analysis of Droughts in Adayar River Basin", *Journal of Indian Water Resources Society*, Vol.13, No.3/4, pp. 192-197, 1993.
38. **S. Mohan**, H.Raman and K. Srinivasaraju. "Flood Simulation in Adayar River System", *Inland Water Resources (India) (Ed. Pitchaiah)*, Vol.2, pp. 268-274, 1993.

1992

39. **S. Mohan** and U. Srinivas. "An Optimization model for Drought Management", *Journal of Irrigation and Power*, pp. 9-16, 1992. **(Awarded the Best Paper Award by Central Board of Irrigation and Power for the Year 1992)**
40. **S. Mohan** and U. Saravanakumar. "Multisite Stream flow Generation in a Multivalley Project", *Indian Journal of Power and River Valley Development*, Vol.56, pp. 301-306, 1992.
41. **S. Mohan**, H.Raman and K. Srinivasaraju. "Multiobjective Analysis of a Reservoir System", *Journal of Indian Water Resources Society*, Vol.12, No. 3/4, pp. 265-269.
42. N. Arumugam and **S. Mohan**. "Reservoir Database Management System using dBase III Plus", *Journal of Indian Water Resources Society*, Vol.12, No. 1/2, pp. 1-5, 1992.

43. **S. Mohan** and N. Navaruparaja. "Computer Aided Design of Activated Sludge Process", *Journal of Institution of Engineers (India), Environ. Engg. Division*, Vol. 73, pp.23-26, 1992.
44. **S. Mohan** and U. Saravanakumar. "Computer Aided Water Supply Management", *Journal of Indian Water Works Association*, Vol.24, No.1, pp. 119-121, 1992.

1991

45. **S. Mohan**, H.Raman and G. Premganesh. "A Comparative Study on Models for Forecasting Inflows", *Journal of Indian Water Resources Society*, Vol.11 No.3, pp.19-22, 1991.
46. **S. Mohan** and S.Amalan. "Time series Analysis of Water use Data of a Metropolitan City", *Journal of Indian Water Works Association*, Vol.23, No.4, pp. 241-246, 1991. **(Awarded the Best Paper Award by Indian Water Works Association for the Year 1991)**
47. **S. Mohan** and P.K.Sahoo. "Comparative Evaluation on Methods of Friction Loss Computation", *Journal of Indian Water Works Association*, Vol.22, No.4, pp. 265-271, 1991.
48. **S. Mohan** and D.M.Raipure. "Multiobjective River-basin Planning: A Case Study", *Journal of Institution of Engineers (India), Civil Engg. Division*, Vol.72, pp. 161-167, 1991.
49. **S. Mohan.**, H.Raman and G.Premganesh. "Real-time Reservoir Operation", *Journal of Indian Water Resources Society*, Vol.11, No.1, pp. 35-37, 1991.

1990

50. **S. Mohan.** "Application of Stochastic Models for Water Use Series", *Journal of Institution of Public Health Engineers*, Vol.10, No.2, pp. 50-56, 1990.
51. H.Raman, **S. Mohan** and Santosh G.Tampi. "Simulation Study of Madras City Water Supply System", *Journal of Indian Water Works Association*, Vol.2, pp. 271-279, 1990 **(Awarded the Best Paper Award by Indian Water Works Association for the Year 1990)**

1989

52. **S. Mohan** and S.Amalan. "Environmental Information System", *Journal of Institution of Public Health Engineers*, Vol.9, No.2, pp. 24-35, 1989.
53. S.Amalan and **S. Mohan.** "An Optimization Model for Solid waste Management", *Journal of Institution of Engineers (India)*, Vol.70, No.T2, pp. 9-11, 1989 **(Awarded the Best Paper Award from Institution of Engineers, India).**

1987

54. **S. Mohan.** "Environmental Systems Analysis", *Journal of Institution of Public Health Engineers*, Vol.8, No.1, pp. 1-8, 1987.

1986

55. S.Vedula, **S. Mohan** and V.S.Shrestha. "Improved Operating Policies for Bhadra Reservoir", *Sadhana, Journal of Engineering Sciences*, Vol.9, No.3, pp. 157-176, 1986.

1985

56. **S. Mohan**. "Transportation Models for Water Supply Planning", *Journal of Indian Water Works Association*, Vol.16, No.1, pp. 7-11, 1985.

1984

57. **S. Mohan**. "Waste Water Management Model for a Soap Industry", *Journal of Institution of Public Health Engineers*, Vol.5, No.4, pp 6-11, 1984.

1983

58. **S. Mohan**. "Solid Waste Management by Integer Programming", *Journal of Institution of Public Health Engineers*, Vol.4, No.1, pp. 29-34, 1983.

III. PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

2018

1. **S. Mohan**, Charles P. Joseph, "Bio-mining: An innovative and practical solution for reclamation of open dumpsite", *International Conference on Waste Management (RECYCLE 2018)*, 22nd to 24th February 2018, IIT Guwahati, Assam.
2. **S. Mohan**, Nina Oke, "Effluent Management in Textile industry through recycling – a promising environmental friendly alternative", *International Conference on Waste Management (RECYCLE 2018)*, 22nd to 24th February 2018, IIT Guwahati, Assam.

2017

3. **S. Mohan**, D. Gokul, "Advanced Oxidation Process for Leachate Treatment from Perungudi dumpsite", *International Conference on Wastewater Management (ICWW)*, 17th to 19th August 2017, Kumaraguru College of Engg. & Technology, Coimbatore.

2016

4. **S. Mohan**, Saranya. P, "Modeling of Ground Level Ozone through Data Mining", *International Conference on Environmental Science and technology (ICEST 2016)*, 6th to 10th June 2016, Houston, USA.
5. Saranya. P, **S. Mohan**, "Performance Evaluation of Algal Alginate as a Potential Coagulant and Water Softener", *International Conference on Environmental Science and technology (ICEST 2016)*, 6th to 10th June 2016, Houston, USA.

2014

6. **S. Mohan**, "Emerging Technologies for Sustainable Environment", Proc. International Conference on Emerging Environmental & Advanced Oxidation Technologies for Energy, Environment and Sustainability (EEAOTEES-2014), 29th-30thSeptember 2014, Anna University, Chennai, pp. 21-28.

2013

7. R. Saravanan, Navaneetha Gopalakrishnan, A. and **S. Mohan**, "Effective Management of Coastal Aquaculture and Irrigation Practices for Sustainable Groundwater Resources: An Integrated Approach", Proc. Workshop on "Bridging Land-Water-Ecosystem Divides", 2013, Stockholm, September 1-6, 2013, Sweden, pp. 27-32.
8. **S. Mohan**, "Sustainable Green Building Construction", Proc. International Conference on Implementation Challenges in Precast Construction for Buildings & Infrastructure Projects (ICICPC-2013), GVP College of Engineering, Visakhapatnam, April 22-23, 2013. pp. II-52-57.

2012

9. S. Mohan and N. Ramsundram (2012) Impact of climate change on water resources: a critical analysis." Proc. of International Meet on "Impact of Climate Change on Water Resources Development and Management", Tamilnadu, India, Karunya University. (Key Note Address)
10. **S. Mohan** (2012)."Groundwater Management in Urban Areas" Proc. International Conference on Environmentally Sustainable Urban Ecosystem, Assam, India, Indian Institute of Technology Guwahati. pp: 12-17.
11. **S. Mohan**, N. Ramsundram;, and E. Aishwarya Nandhini, (2012)."Integrated flood risk modeling for an urban area." Proc. International Conference on Environmentally Sustainable Urban Ecosystem, Assam, India, Indian Institute of Technology Guwahati. February 4-6, 2012.

2011

12. **S. Mohan**, N. Ramsundram and S.M. ShivaNagendhra, (2011)."Deriving optimal reservoir rule curves considering downstream water quality." Proc. 4th International Perspective on Water resources and the Environment, Singapore, EWRI-ASCE., January 4-8, 2011.
13. Sivaprakasam S, Murugappan A and **S. Mohan** "Climate Change: Variability in rainfall in the coastal district of Cuddalore", Proc. of Int. Conference on Sustainable Water Resource Management and Climate Change Adaptation. Feb 17-19, 2011, pp.64-73.

2010

14. N Remya, S Mathava Kumar, **S Mohan**, R Azzam "Influences of organic matter and solute concentration in the nitrate sorption potential of three German soils: comparison of batch and diffusion-cell experiments", Proc. International Conference on Challenges in Environmental Science and Engineering, (CESE-2010), 26 September -1 October 2010 at the SEBEL, Cairns, Australia.
15. **S. Mohan**, V.K. Agrawal, and R.K. Dixit., "Skill Development Initiatives in India: Challenges and Issues", Proc. International Symposium on TVET for Poverty Alleviation, CPSC, Manila, Philippines, 2-3, Aug. 2010., pp. 1-13.
16. **S. Mohan**, R.Ethirajan, "Source Profile Assessment Using Positive matrix Factorisation (PMF) Model for Ambient Air Quality Management", Proc. of the 2010 3rd International Conference on Environmental and Computer Science(ICECS 2010)

17. **S. Mohan** and S.Murali, "Reverse Engineering Approach for Effective Industry Institute Interaction", *Proc. of the International Conference on e-Resources in Higher Education*, 19-20, February 2010, Bharathidasan University, Trichy, Tamilnadu, India, pp. 346-350.

2009

18. **S. Mohan** and G.Janardhanan, "Climate Change: Is it a Disaster", *Proc. of the International Conference on Disaster Management and Mitigation (ICDMM-2009)*, 16-18 December 2009, PSNA College of Engineering and Technology, Dindigul, Tamilnadu, India, pp.195-210.
19. **S. Mohan** and G. Loganathan. Sustainability based compromise programming for multiple criteria decision making in irrigated agriculture systems ". WEES – 2009, 1-4 Jan 2009.

2008

20. **S. Mohan** and G.Loganathan. Teleconnection Between Merged Seasurface Temperature, Geopotential Height, and Tamilnadu North-East Monsoon Rainfall at Monthly Scale, *Proc. of IInd World Aqua Congress*, 26-28 November 2008, Vol. I, pp. 73-79.
21. S. Chandran, M. Kaarmegam and **S. Mohan**, "Sustainable Urban City Wastewater management Through Pytoremediation – A Success Story", *Proc. International Conference on Environmental design, UMRAN 2008*, 17-19, July 2008, International Islamic University, Malaysia, pp. 273-281.
22. **S.Mohan** and G.Loganathan .Analysis of Climate Change Impact on Irrigated Agriculture Sustainability. Sustainable Irrigation 2008.
23. **S. Mohan** and G.Loganathan .Fuzzy Neural Network with Hyper Ellipsoidal Clustering to Assess the Impact of Climate Change in a River Basin Fuzzy Neural Network with Hyper Ellipsoidal Clustering to Assess the Impact of Climate Change in a River Basin. ASABE 2008.
24. **S. Mohan**, "Potential of Water Harvesting as a Tool for Drought Mitigation", *Proc. International Symposium on water Harvesting: Bringing Green Revolution to Rainfed Areas*, 23-25th June, 2008, Tamilnadu Agricultural University, Coimbatore, India, pp. 40-44.
25. **S. Mohan**, "Sustainable Environment: Issues and Strategies", *Proc. International Workshop on Indo-French Technologies for Sustainable Development*, 10th April 2008, Pondicherry Engineering College, Puducherry, pp. 1-7.
26. **S. Mohan** and G.Loganathan. Strategic Decision Making in Irrigated Agriculture Using Sustainability Related Criteria Twelfth IWTC - 2008., March 27 -30 2008.

2007

27. **S. Mohan** and S. Sivakumar, "Development of Operational Policy for Multireservoir Systems Using Simulation Based Controlled Optimization: A Case Study", *Proc. International Conference on Water and Flood Management*, 12-14, March 2007, Dhaka, Bangladesh. pp. 11-18.
28. M. Anjaneya Prasad and **S. Mohan**, " Soft Computing Model for Multi-Purpose Reservoir Operation", *Proc. International Workshop on Intergrated Water Resources Management – (IWRM – 2007)*, February, 5-7, 2007, Bangalore, pp.

29. **S. Mohan** and Marykutty Abraham, “ An Integrated Model to Assess the Effectiveness of Rainwater Harvesting”, *Proc. International Workshop on Integrated Water Resources Management – (IWRM – 2007)*, February, 5-7, 2007, Bangalore, pp.

2006

30. Jothiprakash V. and **S. Mohan** “Fuzzy Optimization for Optimal Crop Planning in an Irrigation System”, *Proceedings of the 15th Congress of APD-IAHR, and International Symposium on Maritime Hydraulics, Water for Life*, IITM Chennai, 7th to 10th Aug. 2006, Vol. 1, pp. 641-648.
31. S.T. Ramesh, and **S. Mohan**, “Development of Recirculation Ratio Optimization Model for Activated Sludge Process by Genetic Algorithms”, *Proc. International Interdisciplinary Conference on Sustainable Technologies for Environmental Protection, (ICSTEP- 2006)*, CIT, Coimbatore, India, 7th to 9th January 2006, pp. 1-10.

2005

32. R. Gandhimathi, and **S. Mohan**, “Assessment and Analysis of Heavy Metal in Municipal Solidwaste Dumping Site – A Case Study”, *Proc. Second International Congress of Chemistry and Environment*, Indore, India, 24th to 26th December 2005, pp.407-409.
33. S.T. Ramesh, and **S. Mohan**, “Recirculation Ratio Optimization: A New Dimension for the Control of Biological Wastewater Treatment Systems”, *Proc. Second International Congress of Chemistry and Environment*, Indore, India, 24th to 26th December 2005, pp.403-406.
34. V. Ramani Bai and **S. Mohan**, “Neuro-Fuzzy Paradigm for Reservoir Operation”, *Proc. International Conference on Computational & Experimental Engineering and Sciences*, IIT Madras, Dec. 1-10, 2005, pp. 823-1 to 823-4.
35. M. Anjaneya Prasad, and **S. Mohan**, “Fuzzy Logic Model for Parallel Reservoir Operation”, *Proc. International Conference on Recent Advances in Water Resources development and management (RAWRDM-2005)*, at IIT Roorkee, 23-35, Nov. 2005, pp. 60-70.
36. GayanRanjan, S.C., **S. Mohan**, and Suresh, MVJJ., “Environmental Impact Assessment of a Municipal Solid waste Dumping Site – A Case Study”, *Proc. International Conference on Environmental management (ICEM'2005)*, 28-30 October 2005, Volume 2 (Environmental Impact Assessment), pp. 125-132.
37. Ramesh, S.T., and **S. Mohan**, “Flow and BOD Variation Impacts on Mixed Liquor Suspended Solids in the Activated Sludge Process”, *Proc. International Conference on Environmental management (ICEM'2005)*, 28-30 October 2005, Volume 3 (Pollution Control Technologies), pp. 102-107.
38. Bindhu, B.K., and **S. Mohan** “Biomethanation – A Promising Option for the Treatment of Kitchen Waste”, *Proc. International Conference on Environmental management (ICEM'2005)*, 28-30 October 2005, Volume 3 (Pollution Control Technologies), pp. 140-148.
39. Gandhimathi, R., **S. Mohan** and Sreelakshmi, G., “Impacts of Groundwater Quality Due to Open Dumping of Municipal Solid waste”, *Proc. International Conference on Environmental management (ICEM'2005)*, 28-30 October 2005, Volume 2 (Environmental Impact Assessment), pp. 71-76.

40. M. Anjaneya Prasad and **S. Mohan**, "Fuzzy Logic Model for Multipurpose, multi-reservoir System", *Proc. 2nd I.F.I.P. Conference on Artificial Intelligence and innovations (AIAI-2005)*, 7-9, Sept. 2005, Beijing, China, pp. 335-347.
41. P. Jegathambal, T. Becker.M. Speller, J. Kongeter, and **S. Mohan**, "Cellular Automaton for Multispecies Reactive Transport Modelling in Porous Media", *Proc. 2nd Conference of Asia Oceanic sciences Society-2005.* , Singapore, 20-24, June 2005, pp. 117-122.
42. P. Jegathambal and **S. Mohan**, "Stochastic Algorithm for Reactive Transport Simulation of Chromium in Palar River Basin, India", *Proc. 2nd Conference of Asia Oceanic sciences Society, 2005.* , Singapore, 20-24, June 2005, pp. 96-102.
43. **S. Mohan** and M. Anjaneya Prasad, "Fuzzy Logic Model for Multi Reservoir Operation", *Proc. 2nd Conference of Asia Oceanic sciences Society*, Singapore, 20-24, June 2005, pp. 145-148.
44. **S. Mohan** and S.K. Pramada, "Multi-Objective Optmization of Seawater Intrusion Problem in South Chennai Aquifer System", *Proc. 2nd Conference of Asia Oceanic sciences Society, 2005*, Singapore, 20-24, June 2005, pp. 64-69.
45. **S. Mohan** and Marykutty Abraham, "Assessment of Effects of Artificial Recharge Using Ground Water Modeling", *Proc. 2nd Conference of Asia Oceanic sciences Society, 2005.* , Singapore, 20-24, June 2005, pp. 103-107.
46. **S. Mohan**, S.T. Ramesh and R. Gandhimathi, "Environmental Impact assessment of a solid waste dumping site" *Proc. National Seminar on EIA studies- planning perspectives*, Department of Geography, Osmania University, Hyderabad, 21-22 March 2005, pp. 41
47. **S. Mohan**, R. Gandhimathi, B. K. Bindhu and K. Shibu "Environmental Impact assessment for domestic solid waste landfill projects" *Proc. National Seminar on EIA studies- planning perspectives*, Department of Geography, Osmania University, Hyderabad, 21-22 March 2005, pp. 29.
48. **S. Mohan** and S. K. Pramada, "Management of South Chennai Coastal Aquifer System", *Proc. International Conference on Hydrological Perspectives for Sustainable Development – (HYPESD-2005)*, Vol. II, IIT Roorkee, India, 23-25 February 2005, pp.793-801.
49. **S. Mohan** and Marykutty Abraham, "Evapotranspiration Estimation for Different Agro climatic Regions", *Proc. International Conference on Hydrological Perspectives for Sustainable Development – (HYPESD-2005)*, Vol. II, IIT Roorkee, India, 23-25 February 2005, pp.685-693.
50. **S. Mohan** and S. T. Ramesh, "Evaluation of the Effect of Recirculation Ratio on the Performance of Activated Sludge Process", *Proc. International Conference on Water & Health (WAH 05)*, J.S.S Mahavidyapeetha, Mysore, India, 22-23 January 22-23, 2005, p.71.
51. **S. Mohan** and S. T. Ramesh, "Impact of Flow variation and BOD variation on food to micro organism ratio in the Activated Sludge Process – A Simulation Study", *Proc. International Conference on "Environment, Ecology & Pollution"*, Arunai Engineering College, Tiruvannamalai, 6-7 January 2005, pp.25.

2004

52. **S. Mohan** Marykutty Abraham, and S. K. Pramada, "Study on effects of artificial recharge in confined aquifer", *Proc. International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region*, Vol II, Colombo, Srilanka, 17-19 November 2004, pp.635-640.
53. **S. Mohan** and S. K. Pramada, "Coastal aquifer management a case study of Cuddalore basin", *Proc. International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region*, Vol II, Colombo, Srilanka, 17-19 November 2004, pp.583-589.
54. V.Jothiprakash and **S. Mohan** "Weekly operational planning model for a run-off river system", *Proc. International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region*, Vol II, Colombo, Srilanka, 17-19 November 2004, pp.569-574.
55. **S. Mohan** and Kumari Sangeeta, "Estimation of recharge in an unconfined aquifer using a water balance model", *Proc. International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region*, Vol I, Colombo, Srilanka, 17-19 November 2004, pp.331-338.
56. **S. Mohan** "Determination of Optimal IUH by genetic algorithm", *Proc. International Conference on Sustainable Water Resources Management in the Changing Environment of the Monsoon Region*, Vol. I, Colombo, Srilanka, 17-19 November 2004, pp.319-330.
57. Jothiprakash, V., **S. Mohan**, and K.A. Kuppusamy, "Community Wells for Sustainable Irrigation in Tank Commands – A Case Study", *WEDC International Conference*, Vientiane, Laos, 24th-29th Oct. 2004.
58. **S. Mohan**, "Environmental Impact Assessment in Watersheds", *Proc. Indo-German Workshop*, 16-18 Feb 2004, Periyar Maniammai College of Technology for Women, Vallam, Thanjavur and RWTH Aachen University, Germany, pp.74-86.
59. Jothiprakash, V., and **S. Mohan**, 2004, "Fuzzy Optimization Model for Crop Planning Under Water Deficit Condition", *Proc. International Conference on Advanced Modeling Techniques for Sustainable Management of water Resources*, NIT Warangal, India, 28th –30th Jan 2004, pp.217-222.

2003

60. Venkat Reddy Gali, A. Boominathan, and **S. Mohan**, "CPT-Based liquefaction Analysis: Neural Network Approach",: *Proceedings of the 1st Indian International Conference on Artificial Intelligence*, ICAI 2003, Hyderabad, India, December 18-20, 2003
61. **S. Mohan** Shanmugam .P. Rajamani S. Ramanujam.R.A., (2003) Biotechnological prospects in solid and liquid waste management through Biomethanation processes, *Proc. International conference on Biological solid and liquid waste management*, Regional Research Laboratory, Trivandrum, India, pp.140-148.
62. **S. Mohan** and V.Ramani Bai (2003) An improved method of groundwater Operation: MODFLOW-ANN Approach. *Proc., of International conference on World Water Congress – Water Resource Management in the 21st Century*, Madrid, Spain, Oct 2003. pp. 129-136.

63. Madhav Narayan Shrestha and **S. Mohan**, "Spatially Distributed Hydrological Modeling considering Land-use changes using Remote sensing and GIS", *Proc. of Second Annual Asian Conference & Exhibition on GIS, GPS, Aerial Photography and Remote Sensing*, Kuala Lumpur, Malaysia, 2003.
64. **S. Mohan** and V. Ramani Bai (2003) "On Improving Data Fitting Procedure in Reservoir Operation using Artificial Neural Networks. *Proc., of International Conference on Third International Conference on Intelligent Systems Design and Applications*, Springer-Verlag New York Inc; 13-23.
65. **S. Mohan** K. Elango and S. Sivakumar., 2003, *Fuzzy Logic Based Fault Tree Analysis on Maintenance of Irrigation Systems*.
66. Jothiprakash, V., and **S. Mohan**, "Conjunctive Use of Surface Water and Groundwater in an Irrigation System", *International Seminar on Watershed Development with a special Colloquium on Drinking Water Supply in SAARC Countries*, Department of Geophysics, Andhra University, Viskhapatnam, 16-19, Oct. 2003.
67. **S. Mohan**, K. Elango, and S. Sivakumar, Evaluation of Risk in Canal Irrigation Systems due to Non-Maintenance Using Fuzzy Fault-Tree Approach, *Proc. IEEE International Conference on Industrial Informatics (INDIN'03)*, August 21-24, 2003, Banff, Alberta, Canada, pp. 54-62.

2002

68. **S. Mohan** and Ramani Bai, V., 2002. Reliability Based Conjunctive Use Optimization Model for Crop Planning. *Proc., of International conference on Developments In Hydrology – The Current Status Along with a Colloquium on Water Resources Management*.
69. Jothiprakash, V., and **S. Mohan**, "Irrigation planning under water deficit condition" *Proceedings of the IWRA International Regional Symposium on Water for Human Survival*, Vol I, CBIP, New Delhi, 27th to 30th, Nov. 2002. pp I-32 to I-37.
70. Jothiprakash, V., **S. Mohan**, and K. Elango, "Artificial recharge through percolation ponds" *Proceedings of the International Ground water Conference on Sustainable Development and Management of Ground Water Resources in Semi-Arid Region with Special Reference to Hard Rock Areas, IGC-2002*, NGRI, Hyderabad, Dindigul 20th –22nd Feb. 2002. pp 193 – 197
71. Jothiprakash, V., and **S. Mohan**, "Water management under water deficit conditions" *Proc. International Conference on Advances Civil Engineering, ACE-2002*, IIT Kharagpur, India, 3 to 5 Jan 2002, pp 358 – 362.

2001

72. **S. Mohan** "Ground Water Modelling: Issues and Requirements" *Proceedings of International Workshop on Modelling in Hydrogeology*, November, 2001, Anna University, Chennai, India, Allied Publishers, pp. 3-16.
73. Jothiprakash, V., **S. Mohan** and K. Elango, "Percolation Ponds – A Rain water Harvesting structure for sustainable drinking water supply", *Proceedings of the International*

Workshop on Environment and Energy - 2001, Periyar Maniammai College of Technology, Vallam. 1st to 3rd Nov. 2001, pp 31-36

- 74. S. Mohan** and V. Jothiprakash “Systems approach for Conjunctive use of surface and Ground Water for Irrigation – A Case Study”, *Proc. International Conference on Civil Engineering, Vol. II – Contributed Papers*, Indian Institute of Science, Bangalore, 23rd to 25th July 2001, pp 572 – 582.
- 75.** Jothiprakash, V., and **S. Mohan** “Augmentation of ground water with surface water for sustainable irrigation” *Proceedings of International Symposium on Challenges of Water Resources Management in the Developing Countries in the 21st Century*, Andhra University, May 6th to 10th, 2001, Visakhapatnam, India
- 76. S. Mohan** and R. Sankar, “ Modelling a Coastal Aquifer System: A Case Study”, *International Conference of Sustainable Development*, April 2001, Visakapatnam, India.
- 77. S. Mohan** and V.S.V. Ram Kumar, “ Modelling of Flood Plains using an Integrated Model of Remote Sensing and GIS”, *International Conference of Sustainable Development*, April 2001, Visakapatnam, India.

2000

- 78. S. Mohan** and V. Jothiprakash, “ Control of Water logging through Conjunctive Water use”, *Proc. of the International R&D Conference on Sustainable Development of Water and Energy Resources*, Vol II., Central Board of Irrigation and Power, Jabalpur, 29th Feb. to 3rd March 2000, pp. 46-55.
- 79.** Madhav Narayan Shrestha and **S. Mohan** “Evaluation of effects of Land use change by distributed hydrological model using remote sensing and GIS”, *Proc. of 12th Congress of Asia Pacific Div. of the Intl. Association for Hydraulic Engg and Research*, AIT, Bangkok, pp. 1093-1103, 2000

1997

- 80.** K. Elango, **S. Mohan**, V. Jothiprakash, and K. Kumaraguru, “Study of the Influence of a Percolation Pond”, *International Conference on Management of Drinking Water Resources*, 3-6, Dec. 1997, Organised by Central Leather Research Institute, pp. 101- 109.

1996

- 81. S. Mohan** and N. Arumugam. “Prediction of Sedimentation Rates in Reservoir”, *Proc. Intl. Conf. on Reservoir Sedimentation*, 9-14 Sept 1996, Vol.2 pp. 783-789
- 82. S. Mohan**, K.Elango and M.G. Devamane, “Multiobjective Optimization of Multireservoir Systems”, *Proc. of North American Water & Environmental Congress*, 22-28 June, 1996, pp. C 97-24 to C 97-31
- 83. S. Mohan.** “Drought Vulnerability Assessment: the First Attempt in Pre-emptive strategies of its Mitigation”, *Proc. International Conference on Disasters and Mitigation*, Jan 19-22, 1996, Anna University, Madras, Vol. II, pp. B3.28-B3.30.

1995

84. **S. Mohan** and D.P. Loucks. "Genetic Algorithms for Estimating Model Parameters" *Proc. of ASCE Conf. on Water Resources Planning & Management Division*. July 1995
85. **S. Mohan** and N. Arumugam. "Hybrid Expert System for Operation of a Small Surface Storage System", *Proc. of the International. IAHS Symposium on Modelling and Management of Basin-scale Water Resource Systems*, 3-14 July 1995, held at Univ. of Colorado at Boulder, USA, and IAHS Publ. No. 231, pages 241-246

1994

86. H.Raman, **S. Mohan** and G. Sethuraj. "A Knowledge-based Decision Support System for Water Distribution Management", *Proc. of the 9th International Conference on Applications of the Artificial Intelligence in Engineering (Ed. G. Rzevski et al)*, Computational Mechanics Publications, Southampton, Boston, 19-21 July 1994, pp. 157-163
87. **S. Mohan** and N. Arumugam. "A Hybrid Expert System for Reservoir Operation" *Proc. International Symposium on Water Resources Planning in a Changing World*, June 28 - 30, 1994, Univ. of Karlsruhe, Germany, pp. II.97-II.106.
88. **S. Mohan** and N. Arumugam. "Efficient Irrigation Strategies Under Limited Water Supplies", *Proc. 17th European Regional Conference of ICID, 1994*, Varna, Bulgaria, pp. 97-106

1993

89. H.Raman, **S. Mohan** and P. Padalinathan. "Environmentally Sustainable Water Resources Development: A Case Study", *Proc. of the International Conference on Environmentally Sound Water Resources Utilization*, Nov 8-11, 1993, Bangkok, Thailand, pp. I.27-I.34.
90. H.Raman, **S. Mohan** and M.Baskaran. "Decision Support System for Water Supply Management", *Proc. International Symposium on Engineering Hydrology*, July 25-30, 1993, San Francisco, California, (Ed.U.Cho), pp. 1060-1065.

1992

91. **S. Mohan** and N. Arumugam. "An Expert System for Irrigated Crop Management", *Proc. International Conference on Hydraulic Engineering Software - HYDROSOFT '92*, 1992, Valencia, Spain, pp. 481-491.
92. H.Raman, **S. Mohan** and M.Baskaran. "An Expert System for Water Supply Management", *Proc. International Conference on Hydraulic Research*, 1992, Pune, Vol. I, pp. A153-A166.
93. **S. Mohan** and N. Arumugam. "A Stochastic Optimization Model for Irrigation Planning", *Proc. International Conference on Optimization: Techniques and Applications*, 1992, National Univ. of Singapore, pp. 657-663.

1991

94. **S. Mohan** and N. Arumugam. "An Expert System for Flood Plain Management", *Proc. International Symposium on Environmental Hydraulics*, Dec 16-18, 1991, Hong Kong, Vol. II, pp. 1521-1526.

95. H.Raman, **S. Mohan** and P. Padalinathan. "A Model for Optimal Crop Planning and Reservoir Operation", *Proc. International Conference on Computer Applications in Water Resources*, Jun 4-10, 1991, Taiwan, ROC, Vol. II, pp. 1069-1075.
96. **S. Mohan** and S. Vedula. "Effect of Forecasting Errors in Real-time Simulation", *International Conference on Computer Applications in Water Resources*, Jun 4-10, 1991, Taiwan, ROC, Vol. I, pp. 141-148.
97. **S. Mohan** and S. Vedula. "Comparison of Adaptive Stream flow Forecasting Procedures", *International Conference on Computer Applications in Water Resources*, Jun 4-10, 1991, Taiwan, ROC, Vol. I, pp. 101-109.
98. R.G. Shenoy, P. Srinivas and **S. Mohan**. "An Integrated Software for Water Resources Analysis", *Proc. International Conference on Computer Application in Water Resources*, Jun 4-10, 1991, Taiwan, ROC, Vol. I, pp. 95-100.

1990

99. **S. Mohan**. "Expert System for Reservoir Operation", *Proc. Int. Conference on Hydraulic Engineering Software - HYDROSOFT '90*, 1990, Boston, USA, pp. 435-448.

1989

100. **S. Mohan** and Santhosh G.Thampi. "Comparative Evaluation of Evaporation Estimation Methods", *Proc. Int. Workshop on Evaporation from Open Water Surfaces*, 7-14 Nov., 1989, Vadodara, pp. 31-35.

1988

101. **S. Mohan** and N.C.V.Rangacharya. "Drought Identification Using Stream flows", *Proc. International Seminar on Hydrology of Extremes*, 1-3 December 1988, Roorkee, pp. 343-357.

IV. PAPERS PRESENTED IN NATIONAL CONFERENCES:

2017

1. **S. Mohan** and P. Balakrishnan, "Emerging Contaminant: An environmental concern", National Seminar on Carbon Sequestration & Climate Change, 2nd – 3rd November 2017, Puducherry.
2. **S. Mohan** and Abhijith G.R., "Textile waste salts recovery through treatment using Salt pans", National Seminar on Carbon Sequestration & Climate Change, 2nd – 3rd November 2017, Puducherry.
3. **S. Mohan** and Charles P. Joseph, "Waste Management Strategies: An Overview", National Seminar on Carbon Sequestration & Climate Change, 2nd – 3rd November 2017, Puducherry.
4. **S. Mohan** and D. Gokul, "Carbon Footprint for Textile Common Effluent Treatment Plant in Tamilnadu", National Seminar on Carbon Sequestration & Climate Change, 2nd – 3rd November 2017, Puducherry.

2016

5. **S. Mohan** and Neenu. K, "Real Time Modeling of Coastal Water Aquifer Systems", National Seminar on Eco-Friendly Surface Mining, 12th – 13th November 2016, Neyveli, pp. 209 - 213.
6. **S. Mohan**, "Green Mining: A Way Forward for Environmental Conscious Mining", National Seminar on Eco-Friendly Surface Mining, 12th – 13th November 2016, Neyveli, pp. 53 - 59.
7. Balakrishnan. P and **S. Mohan**, "Emerging Contaminants in Stormwater", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
8. Abhishek. T and **S. Mohan**, "Environmental Assessment of Pallikaranai Wetland and its Conservation", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
9. Neenu. P and **S. Mohan**, " Real time Modeling of Groundwater Aquifer Systems", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
10. Abhijith. G.R and **S. Mohan**, "Modeling of Microbial Contaminant Transport in Water Distribution Systems", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
11. Saranya. P and **S. Mohan**, "Modeling of Surface Level Ozone Over Delhi Region Using Data Mining Techniques", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
12. Ethirajan. T and **S. Mohan**, " VOC Emission in an Industrial Area and its Control", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
13. Gokul. D and **S. Mohan**, "Advanced Oxidation Process for Landfill Leachate Treatment", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
14. Sruthy. S and **S. Mohan**, "Novel Approach for Treatment of Biomedical Waste", National Conference on Energy and Environment, 16th – 17th September 2016, Coimbatore.
11. **S. Mohan**, "A Knowledge Based System Technology For Dam Safety Analysis", Proc. First National Dam Safety Conference, 24th -25th March 2015, 57-62.

2014

15. **S. Mohan**, "Computational Data Intelligence in Hydrological Modeling", Proc. National Conference on "Water, Environment & Safety (NCWES-2014), 30th June- 1st July 2014, Hyderabad (Editor: Giridhar, MVSS), pp. 3-15.

2010

16. **S. Mohan**, "Urban Flood Management: A Case Study of Chennai City", Proc. National Workshop on Coastal Urban Flood Hazards &, Management, Indian Institute of Technology Bombay, Feb. 19-20, 2010, pp. 193-200.

2008

17. **S. Mohan**, “Neural Network Forecasting of Stream flows During Hydrological Extremes”, Proc. 13th National Symposium on Hydrology with special reference to Inflows Forecasting during Hydrological extremes, National Institute of Hydrology, held in Indian Institute of Technology Delhi, New Delhi, 28-29 August 2008, pp. 1-26.
18. **S. Mohan**, “Nanotechnology and Society”, Proc. Two days Workshop on Nanotechnology: Innovations for Tomorrow’s World Environment, Periyar Maniammai University, Thanjavur, 6-7 August 2008, pp. 14-21.
19. **S. Mohan**, “Nanotechnology and Environment”, Proc. Two days Workshop on Nanotechnology: Innovations for Tomorrow’s World Environment, Periyar Maniammai University, Thanjavur, 6-7 August 2008, pp. 6-13.
20. **S. Mohan**, “BIOMIMICRY: Lessons to Learn from Environment”, Proc. National Workshop on Environmental Sustainability, SRM University, Kattankulathur, Chennai, June 5, 2008, pp. 83-88.
21. **S. Mohan**, “GIS for Air Quality mapping”, Proc. National Conference on Applications of GIS in Civil Engineering, 16th February 2008, Karunya University, Coimbatore, pp. 1-14.

2007

22. **S. Mohan** and K.S. Jinesh Babu, “Soft Computing techniques for Water Distribution Network design”, Proc. National Conference on Hydraulics and Water Resources (HYDRO-2007), 21st - 22nd December 2007, SVNIT, Surat, pp. 592-599.
23. **S. Mohan** and G. Loganathan. Development of Multiscale Optimization for Reservoir Operation Under Deficit Irrigation Using Soft Computing Technique. NCSCAWREE – 2007, Dec 15, 2007.
24. S. Sivakumar and **S. Mohan**, “Development of Multi-Reservoir Operation Model Using Soft Computing Based RIVERWARE Model”, Proc. National Conference on Soft Computing Applications in Water Resources and Environmental Engineering, 14-15th December 2007, pp. 184-190.
25. **S. Mohan** and G. Loganathan, “Development of Multiscale Optimization Model for Reservoir Operation Under Deficit Irrigation Using Soft Computing Techniques”, Proc. National Conference on Soft Computing Applications in Water Resources and Environmental Engineering, 14-15th December 2007, pp. 92-99.
26. M. Anjaneya Prasad and **S. Mohan**, “ Fuzzy Logic Models for Multi-purpose Reservoir System”, Proc. National Conference on Soft Computing Applications in Water Resources and Environmental Engineering, 14-15th December 2007, pp. 21-30.
27. Ramani bai, V and **S. Mohan** (2007). “Conjunctive use in operation of reservoir for Irrigation using Artificial Neural Networks” In: Proc. of International Conference on Water Resource Management: Challenges and Opportunities in the 21st Century, 23-25 Apr’07, Department of Ecology & Environmental Science, Assam University, Silchar, India. 47-56

2006

28. **S. Mohan** and S.K. Pramada., "GIS based Microlevel Integrated Recharge Model", Proc. National Conference on GIS & GPS Applications with Special Reference to Irrigation Projects, 20-21, November 2006., pp. 5.1-5.9.
29. **S. Mohan**, "Water Resources Development in India: An Overview", Proc. National Seminar on Water Management, National Institute of Technical Teachers Training and Research, Chennai, 9-13, October 2006, pp. 1-12. (Keynote Address Paper)
30. **S. Mohan**, "Evaluation of Impacts of Land use Change on Watershed Hydrology", Proc. National Workshop on Watershed Management and Effect of Environmental Changes on Water Resources (WMEC), 20-21, September 2006, JNTU College of Engineering, JNTU, Hyderabad, pp 29-41.
31. **S. Mohan**, "Sustainable Development: The Role of Watershed Management", Proc. National Workshop on Watershed Management and Effect of Environmental Changes on Water Resources (WMEC), 20-21, September 2006, JNTU College of Engineering, JNTU, Hyderabad, pp 21-28. (Keynote Address)
32. **S. Mohan**, and S.K. Pramada, "Realtime Control of a Well Field with A Groundwater Simulation-Optimization Model", Proc. National Conference on Environmental Conservation (NCEC – 2006), Birla Institute of Technology, Pilani, Rajasthan, pp. 247-254. **(Adjudged as the Best Paper among the papers presented in the Conference)**
33. **S. Mohan**, "Recent developments in Groundwater Modeling", *Proc. National Conference on Environmental Conservation (NCEC – 2006)*, Birla Institute of Technology, Pilani, Rajasthan, pp. KN-11 to KN-24 (Keynote Address Paper) .
34. S.T. Ramesh, **S. Mohan** and R. Gandhimathi, "E-Waste: The new waste crisis" Proc. National workshop on Management of contemporary environmental issues for sustainable development, K.S.RCollege of Technology, Tiruchengode, 21st September 2006.
35. S.T. Ramesh and **S. Mohan**, "Development and Application of Models for the Control of Activated Sludge Process", *Proc. National Workshop on Environmental Modeling and Simulation*, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, pp. 5.1-5.11, August 2006.
36. **S. Mohan**, "Mathematical Modeling of Environmental Systems", *Proc. National Workshop on Environmental Modeling and Simulation*, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, pp. 1.1-1.11, August 2006.

2005

37. **S. Mohan**, and Marykutty, A., "Groundwater Modeling For Artificial Recharge Scenario", *Proc. Workshop on Traditional Rainwater Harvesting Systems in Tamilnadu*, 7th-9th December 2005, TWAD Board, Karl Kubel Institute, Coimbatore., pp. 19-26.
38. **S. Mohan**, "Rainwater Harvesting Through Percolation Ponds", *Proc. Workshop on Traditional Rainwater Harvesting Systems in Tamilnadu*, 7th-9th December 2005, TWAD Board, Karl Kubel Institute, Coimbatore., pp. 1-7.
39. B.K. Bindhu and **S. Mohan**, "Modeling Health of a Lake: A Case Study", *Proc. National Conference on Hydrological Aspects of Rejuvenation of Lakes*, MRCAT, Udaipur, pp. 185-193.

40. **S. Mohan**, and S.T. Ramesh, "An Approach to Controlling Sludge Age in the Activated Sludge Process", *Proc. National Conference on Sustainable Development of Environment for Future Generation*, Kumaraguru College of Technology, Coimbatore, 14th – 15th July 2005, pp.9-15.
41. **S. Mohan** and M. Anjaneya Prasad, "Performance Evaluation of Reservoir Operation due to Intra-basin transfer of water by Fuzzy Logic Approach", *Proc. National Conference on Advances in Water Engineering for Sustainable Development (NCAWESD- 2005)*, IIT Madras, 16th -17th May 2005, pp. 87-94.
42. **S. Mohan**, S.T. Ramesh and R. Gandhimathi, "Waste management in Health care Facilities- A Review" *Proc. National conference on Solid and Hazardous waste Management problems and Solutions*, Organized by International Development Centre Foundation, New Delhi, April 28-29, 2005, pp. 102-110.

2004

43. **S. Mohan** and Sangeeta Kumari, "Recharge Estimation using Infiltration Models", *Proc. National Conference on Hydraulics and Water Resources (HYDRO-2004)*, VNIT, Nagpur, 27-28 December 2004, pp.122-129.
44. M.G.Devamane, V. Jothiprakash and **S. Mohan**, "Multi-objective Optimization Using Non-Linear Programming Model", *Proc. National Conference on Hydraulics and Water Resources (HYDRO-2004)*, VNIT, Nagpur, 27-28 December 2004, pp.104-110.
45. **S. Mohan** and S. T. Ramesh," Effect of the recirculation ratio on the activated sludge process with different wastage options", *Proc. Indian Environment Congress 2004*, Trivandrum, 16-18 December 2004, pp. 192-196.
46. Venkata Reddy Gali, A. Boominathan and **S. Mohan**, "Neuro-Fuzzy Modelling for Liquefaction Prediction", *Proc. Indian Geotechnical Conference*, NIT, Warangal, 17-19 December 2004, pp.195-198.
47. **S. Mohan** and S. T. Ramesh," Removal of Fluoride from Drinking Water using different treatment techniques", *Proc. National Workshop on Nutritional effects on Fluorosis*, Chennai, 19-20 November 2004, pp.120-127.
48. **S. Mohan**, "Development of Optimal Reservoir Operation Policies for Multi-purpose, Multi-Reservoir Systems: A Case Study", *Proc. National Workshop on Integrated Water Resources Assessment, Development and Management*, Sept. 23-24, 2004, Chennai, pp. 90-97.
49. **S. Mohan**, "Development of Rainfall-Runoff Models for Water Resources Assessment", *Proc. National Workshop on Integrated Water Resources Assessment, Development and Management*, Sept. 23-24, 2004, Chennai, pp. 33-42.
50. S.T. Ramesh, and **S. Mohan**, "Activated Sludge Microbiology Problems and Their Control", *Proc. National Workshop on Recent Trends in Pollution Control and Environmental Conservation (ENVIRON-TECH-2K4)*, Bannari Amman Institute of Technology, Sathyamangalam, July 15-16, 2004, pp.33-40.
51. S.T. Ramesh, and **S. Mohan**, "Microorganisms and Their Role in the Activated Sludge Process", *Proc. National Workshop on Recent Trends in Pollution Control and Environmental Conservation (ENVIRON-TECH-2K4)*, Bannari Amman Institute of Technology, Sathyamangalam, July 15-16, 2004, pp.15-21.

52. S.T. Ramesh, **S. Mohan** and R. Gandhimathi, "Pollution control acts and regulations in India" Proc. National workshop on Environmental Science and Engineering (Sponsored by MoEF), Bannari Amman Institute of technology, Satyamangalam, Erode, 22 - 24 July 2004.
53. S.T. Ramesh, **S. Mohan** and R. Gandhimathi, "Tools for Environmental Management" Proc. National workshop on Environmental Science and Engineering (Sponsored by MoEF), Bannari Amman Institute of technology, Satyamangalam, Erode, 22 - 24 July 2004.
54. S.T. Ramesh, S. Mohan and **R. Gandhimathi**, "Engineering interventions to reduce Environmental stresses" Proc. National workshop on Environmental Science and Engineering (Sponsored by MoEF), Bannari Amman Institute of technology, Satyamangalam, Erode, 22 - 24 July 2004.
55. Marykutty, A., O. Padmakumari, and **S. Mohan**, "Evapotranspiration and water Requirement for Crop Production in Green Houses", *Proc. National Seminar on Perspectives on Agrarian Relations in Water management*, M.P. WALMI, Bhopal, 9th-10th June 2004, pp. 28-36.
56. **S. Mohan**, "Environmental Issues in Interlinking of Indian Rivers", *Proc. National Seminar on Interlinking of Rivers in India*, 27-29 Jan 2004, Sathyabama Deemed University, Chennai-119, pp.18-20.
57. **S. Mohan**, "GIS Applications in Air pollution Monitoring". *Proc. Workshop on Environmental and Pollution Awareness Chennai*, 2004, pp.38-42.
58. **S. Mohan**, "GIS Applications in Environmental Engineering". *Proc. Workshop on Environmental and Pollution Awareness Chennai*, 2004, pp. 34-38.
- 2003**
59. **S. Mohan** and S. Sivakumar, "Interlinking of Indian Rivers-operational & Legal Issues and Options", *Proc. National Conference on Interlinking of Indian Rivers-Problems and Perspectives*, 2003, Namakkal, pp.97-117
60. **S. Mohan** and S. Sivakumar, "Development of Reservoir Operation Policies for Multipurpose multi-Reservoir Systems using Soft Computing Techniques", *Proc. National Seminar on Application of Management Tools for Sustainable Water Resources Development* held at SASTRA Deemed University, Thanjavur, 12-13, December 2003, pp. 129-134.
61. **S. Mohan**, S.N. Bhargav, and R. Gandhimathi, "Study of Leachate Migration using a Mathematical Model – A Case Study", *Proc. Workshop on Sustainable Landfill Management*, 3-5 December 2003, Anna Univ., Chennai, pp. 345-353.
62. Jothiprakash, V., R. Balasubramanian, and **S. Mohan.**, "Seasonal Planning of an Irrigation System through Explicit Stochastic Modeling", *Proceedings of the National Conference on ISWRPM-2003*, BITS, Pilani, 11th-12th October 2003, pp.56-63.
63. **S. Mohan**, S. Rajamani, P. Shanmugam and R.A. Ramanujan, "Biomethanation – techno economically viable biotechnological tool to generate energy from industrial solid wastes",

Proc. National Conference on Biological Treatment of Wastewater and Waste Air (BTWWA-2003), Regional Research Laboratory, Thiruvananthapuram, 28-29 August 2003, pp.57-64.

64. **S. Mohan** and P.K. Sreejith, "Modeling Groundwater Systems: A Step by Step Approach", *Proc. Workshop on Water Conservation and Water Management*, 8th February 2003, Neyveli, Tamilnadu, pp. 105-118.
65. **S. Mohan**, S.T. Ramesh and S. Sivakumar, "Can Rainwater Harvesting be a Solution to Drinking Water Problems ?", *Proc. Workshop on Water Conservation and Water Management*, 8th February 2003, Neyveli, Tamilnadu, pp. 37-44.
66. **S. Mohan** "Artificial Recharge through Injection wells for Water Conservation", *Proc. Workshop on Water Conservation and Water Management*, 8th February 2003, Neyveli, Tamilnadu, pp. 31-36.
67. **S. Mohan** and Ramani Bai, V., 2003. Neural Network Based Conjunctive use Model for Operation of Vaigai Reservoir. *Proc., of National Conference on Land Care Movement for Food, Water and Livelihood Security*, Chennai, Tamil Nadu. Jan. 2003, pp.4.4 -4.8.
68. Magesh N and **Mohan S** (2003), "Effect of uncertainty of sample BOD values on reaction rate prediction", National Seminar on "Pollution Management Strategies and Environmental Protection", Nirmala College for women, Coimbatore, India.

2002

69. Sreejith, P.K., and **S. Mohan**, "A combined simulation-optimization approach for Saltwater Intrusion", *Proc. National Conference on Water Resources and Ocean Engineering (HYDRO 2002)*, IIT Bombay, Dec. 16-17, 2002, pp. 484-489.
70. Jothiprakash, V., **S. Mohan**, and K. Elango, "Environmental impact of percolation pond" *Proceedings of the II National Seminar on Environmental Management and Pollution Abatement*, Annamalai University, Chidambaram, 12th and 13th July 2002, pp. W25-W33.
71. **S. Mohan** and Ramani Bai, V., 2002. A dynamic programming model for operation of Vaigai reservoir. *Proc., of National Seminar on Water Resources Systems Planning and Management*, Annamalai University, Tamil Nadu. March. pp. B50-B55.
72. **S. Mohan** and P. Jegathambal, "Subsurface Contaminant Transport Modelling Using MT3D-A Case Study of Palar basin", *Proc., of National Seminar on Water Resources Systems Planning and Management*, Annamalai University, Tamil Nadu. March. pp.B43-B49.
73. Jothiprakash, V., **S. Mohan**. and Elango,K., 2002. Artificial recharge through percolation ponds. In: *Proc. of the IGC 2002*, Dindigul, Tamil Nadu, (Eds. M. Thangarajan, S.N. Rai, V.S. Singh), IBH & Oxford Publ. Co., New Delhi, 193-198.

2001

74. **S. Mohan**. and Ramani Bai, V., 2001. Effect of Stochastic Inflows on Reservoir Operation *Proc., of National Seminar on Mathematical Methods*, Indian Institute of Technology, Madras, Tamil Nadu. Dec. 50-55.
75. **S. Mohan**, "Surface and Ground water Management: Issues and Options" *Proc. National Workshop on Management of Water Resources and Environmental Problems*, Dec. 2001, pp. 39-49. (Invited Paper).

76. V. Jothiprakash, **S. Mohan** and K. Elango “Rain Water Harvesting Through Percolation Ponds” *Proceedings of the Workshop on Rain Water Harvesting*, Indian Institute of Technology, Madras, 15th to 16th December 2001, Chennai, India, pp 84 – 93.
77. V. Jothiprakash, K. Elango and **S. Mohan** “Percolation Ponds-A source for Sustainable drinking water supply in rural areas” *Proc. National Workshop on Water Resource and Water Quality Management for Sustainable Drinking Water Supply*, TWAD Board, Tamil Nadu, 16th to 17th November 2001, Chennai, India, pp III 85 – 90
78. Jothiprakash V., K. Elango and **S. Mohan**, “Design primer computer aided package for the design and estimation of the percolation ponds”, *Proceedings of the National Seminar on Role of Private Sector in the Management of Irrigation and Drainage Systems*, Irrigation Management Training Institute, 8th and 9th March, 2001, pp 139-146.

2000

79. Madhav Narayan Shrestha and **S. Mohan**, “A GIS based Integrated Model for Assessment of Hydrological change due to Land use modifications”. *Proc., of Symposium “Lake 2000”: Restoration of Lakes and Wetlands*, IISc., Bangalore. November 2000, Section-4: Paper-2.
80. **S. Mohan**. and Ramani Bai, V., 2000. Groundwater Potential Estimation - A Comparative Analysis. *Proc., of Symposium “Lake 2000”: Restoration of Lakes and Wetlands*, IISc., Bangalore. November 2000, Section-7: Paper-1.
81. **S. Mohan**, “Remote Sensing and GIS Applications in Water Resources Management”, *Proc. National Conference on Geoinformatics –2000*, Coimbatore, pp. 226-232. (Invited Paper).
82. **S. Mohan**, “Sustainability of Reservoir Through Sedimentation Control”, *National Seminar on Watershed Management and Sedimentation of Reservoirs and Tanks*”, WRO, PWD, Chepauk, 14th January 2000. pp. 81- 89.

1999

83. **S. Mohan**, “ Ground Water Management: Issues and Potentials”, *Proc. National Workshop on “Monitoring of Ground Water Regime in Hard Rock Terrain- Accomplishments, Constraints and Future Trends”*, Central Ground Water Board, Ministry of Water Resources, 28th Dec. 1999
84. **S. Mohan** and V. Jothiprakash, “Stochastic Dynamic Programming Model for Conjunctive Use”, *Symposium on Mathematical Methods and Applications*”, IIT Madras. 22nd Dec. 1999, pp. 7-8
85. **S. Mohan** and V.Jothiprakash, "Conjunctive use opportunities and challenges in water resources development" *Proceedings of the National conference on Planning and Development of Groundwater Resources in India - A Perspective for the 21st Century*" 17 & 18 Dec. 1999. University of Patna, Patna. pp. 62-75.
86. **S. Mohan**, “Ground Water Recharge in India”, *Proc. National Conference on “Planning and Development of Ground Water Resources in India : A perspective for the 21st Century”*, 17-18 Dec 1999, Geology Department, Patna University, pg.44-53.

1998

- 87. S. Mohan**, "Information System for Drought Mitigation", *Proc. Seminar on Natural Disaster Prevention*, Anna Institute of Management, Govt. of Tamil Nadu, Oct. 1998, pp. 8-11.
- 88. S. Mohan** and J. Anjaneyalu. "Soil - Aquifer Treatment Technique for Waste Water Reclamation", *Proc. National seminar on Applications of Treated Effluent for Irrigation*, REC, Tiruchi, 23 March 1998, pp.31-32.
- 89. S. Mohan** and R. Kannan, " GIS based Decision Support System for Pollution Assessment", *Proc. Eighth User Interaction Workshop on Remote Sensing*, NRSA, Hyderabad, March 17-18, 1998, pp. 56-60.
- 90. S. Mohan** and N. Arumugam, "Need for Optimal Crop Planning in Tank Irrigation Systems", *Proc. National Seminar on Application of Computers in Irrigation Management*, IMTI, Tiruchi, 5-6 March 1998, pp. 44-48.
- 1997**
- 91. S. Mohan** and V. Jothiprakash "Derivation of reservoir operating rules using fuzzy linear programming" *Proceedings of National Symposium on Fuzzy Sets and their Applications*, June 9 and 10, 1997, IIT Madras, pp 61-69.
- 92. V. Jothiprakash, S. Mohan** and K.Elango, "Influence of Percolation Ponds - A Recharging Structure in a Small Watershed", *Proc. of National Conf. on Emerging Trends in the Development of Sustainable Groundwater Sources*, 27-28 Aug, 1997, JNT University, Hyderabad. pp. 280-289.
- 93. S. Mohan** and V. Jothiprakash, "An Optimization Model for Crop Planning in a Basin under Deficit Water Conditions", *Proc. National Conf. on Emerging Trends in the Development of Sustainable Groundwater Sources*, 27-28 Aug, 1997, JNT University, Hyderabad. pp. 208-217.
- 94. S. Mohan** and V. Jothiprakash "Derivation of reservoir operating rules using fuzzy linear programming" *Proceedings of National Symposium on Fuzzy Sets and their Applications*, IIT Madras, 9th and 10th, Jun. 1997, pp 61-69.
- 1996**
- 95. S. Mohan**, Amit Nag and L. Kishore. "Optimal Control Strategies for Containment of Polluted Groundwater", *Proc. 23rd Fluid Mechanics and Fluid Power Conference*, 27-29 December 1996, Bhopal, Vol. II. pp. 449-454.
- 96. K. Srinivasaraju, C.R.S. Pillai, S. Mohan**, V.V. Deshpande and Y. Ananthanarayan "Preference Ranking of Alternative Reservoir Configuration via a Multicriterion Decision Making Procedure", *Proc. National Conference on Hydrology, JNTU, Osmania University, Hyderabad*, 24-25 May 1996 pp. 151-154.
- 1995**
- 97. S. Mohan**. "Numerical Simulation of One Dimensional Infiltration into Unsaturated Soils" *Proc. 22nd Fluid Mechanics Fluid Power Conference*, 13-15 Dec 1995, pp. 213-216.
- 98. S. Mohan**. "Development of a Knowledge-based Expert System for Reservoir Operation During Droughts", *Proc. National Seminar on Natural Disasters: Causes and Management*, 5-7 Dec 1995, Bangalore.

99. **S. Mohan** and N. Arumugam. "Computer Aided Design of Sprinkler Irrigation Systems", *Proc. National Seminar on Role of Agricultural Engineering in Dry land Farming*, Madras 13-14 October 1995, pp. 130-136.
100. **S. Mohan** and N. Arumugam. "Expert System: A Modern Tool for Tank Irrigation Systems Operation", *Proc. National Seminar on Traditional Water Management for Tanks and Ponds*, Center for Water Resources, Anna University, Madras 14-15 Sept 1995, pp. 345-353.
101. V. Jothiprakash, K. Kumaraguru, K.Elango and **S. Mohan**. "Effectiveness of Percolation Ponds", *Proc. All India Seminar on Ground Water Potential: Assessment, Development and Management*, 9-10 March 1995, pp. 5-10.

1993

102. K.Elango and **S. Mohan**. "Drought Hazards Mitigation", *Proc. National Seminar on Cyclone and Drought Hazards*, Oct 13, 1993, Madras, pp. 96-103.
103. H.Raman, **S. Mohan** and P. Padalinathan. "Integrated Farmer Co-operatives - The Foundation for Participatory Approach", *Proc. National Seminar on Farmers Participation in Irrigation Water Management*, 6-7 Sept, 1993, Tiruchi, pp. 17-22.
104. K.Elango, **S. Mohan**, S. Sankaranarayanan and V. Muthu. "A Computerized Design Primer for Percolation Ponds", *Proc. National Seminar on Water Harvesting*, 1993, Tiruchy, pp. 199-204.
105. **S. Mohan** and N. Arumugam. "Performance Analysis of System and Non-System Tanks", *Proc. National Seminar on Water Harvesting*, 25-26 June, 1993, Tiruchy, pp. 152-160.
106. **S. Mohan**. "Forest Hydrology with Reference to Water Conservation", *Proc. National Seminar on Water Harvesting*, 25-26 June, 1993, Tiruchy, pp. 119-125.

1991

107. **S. Mohan**, H.Raman, K.Elango and E. Subbarayulu. "Optimal Parameter Estimation for Flood Simulation Model", *Proc. 4th National Symposium on Hydrology*, 25-27 Oct 1991, Madras, pp. 157-165.
108. V. Chinnikrishnan and **S. Mohan**. "Optimal Cropping Pattern Using Linear Programming", *Proc. National Seminar on Use of Computers in Hydrology and Water Resources*, May 1991, New Delhi, Vol. I, pp. 3.1-3.8.
109. **S. Mohan**, H.Raman and S.Mahatma. "Regional Rainfall-Runoff Model", *Proc. National Seminar on Use of Computers in Hydrology and Water Resources*, May 1991, New Delhi, Vol.I, pp. 2.51-2.59.
110. H.Raman, **S. Mohan**, K.Srinivasaraju and S.Mahatma. "An Integrated Model for Multi Reservoir Operation", *Proc. National Seminar in Hydrology and Water Resources*, May 1991, New Delhi, pp. 5-18 to 5.24.
111. **S. Mohan** and Ramaprasad. "Comparison of Models for Evapotranspiration Estimation", *Proc. of 56th Research and Development Session of Central Board of Irrigation and Power*, 28-30 May, 1991, Hyderabad, Vol.II, pp. 240-243. (**Awarded the Best Paper Award by Central Board of Irrigation and Power for the Year 1991**)

1990

- 112.** S. Mohan and J.V.Deviprasad. "Reservoir Operation: An Expert System Approach", *Proc. of National Workshop on Water Resources Project Management*, 18-20 June 1990, Madras, pp. 149-151.
- 113.** H.Raman, S. Mohan and P.Padalinathan. "Artificial Intelligence in Water Resources Engineering", *Proc. of National Workshop on Water Resources Project Management*, 18-20 June, 1990, Madras, pp. 131-138.
- 114.** H.Raman, S. Mohan and N.C.V.Rangacharya. "Expert System for Drought Management", *Proc. of National Workshop on Water Resources Project Management*, 18-20 June 1990, Madras, pp. 121-130.
- 115.** M. Balasubramanian, S. Mohan and P. Gopalasamy. "Hydrological Data Collection for Ground Water Models", *Proc. of National Workshop on Water Resources Project Management*, 18-20 June 1990, Madras, pp. 9-12.
- 116.** S. Mohan and U.Srinivas. "A Comparative Study on Methods of Drought Analysis", *Proc. of Third National Symposium on Hydrology*, 1990, Pune, pp. 183-193.
- 117.** S. Mohan and S. Amalan. "A Chance Constrained Model for Reservoir Management", *Proc. Conference. on Hydromechanics and Water Resources Engineering*, Indian Institute of Science, 1990, Bangalore, pp. 161-166.
- 118.** S. Mohan "A Decision Support System for Water Management", *Proc. National Symposium on Water Resources Conservation, Recycling and Reuse*, 3-5 Feb. 1990, Nagpur, pp. 89-91.
- 119.** S. Mohan and U. Srinivas. "Computer Aided Drought Analysis", *Proc. Third IWRS National Symposium of Watershed Development Management*, 2-4 Feb, 1990, Kanpur, pp. 29-33, 1995.

1989

- 120.** S. Mohan and H.Raman. "Expert System for Water Resources Management", *Proc. of 55th Annual Research and Development Session, Central Board of Irrigation and Power*, 25-28 July, 1989, New Delhi, pp. 49-53.

1986

- 121.** B.S. Ramprasad and S. Mohan. "Real-time Holographic Interferometry for Flow Visualization in Water", *Proc.14th Conf. on Fluid Mechanics and Fluid Power*, 1986, Kanpur, pp. 159-163.

1984

- 122.** S. Mohan, S.R. Narayanan, B.S. Ramprasad. "Flow Visualization and Measurement Using Chemical Reaction Time", *Proc. 13th Conference on Fluid Mechanics and Fluid Power*, 1984, REC, Tiruchy, pp. 517-518.

V. BOOKS, CHAPTERS IN BOOKS & MANUAL

2017

1. M. Abraham, S. Mohan and K. S. Rawat (2012), "Faculty Development Programs to Suit the Needs of Millennials", Book titled "Testing and Development of Evapotranspiration Models for India", Lambert Academic Publishers India Ltd, Delhi, ISBN 978-620-2-01543-1.

2012

2. **S. Mohan** and G. Janardhanan (2012), "Faculty Development Programs to Suit the Needs of Millennials", Chapter on the book titled "Multiple Stakeholder Perspectives of Higher Education" (Editors: R. Natarajan and N.R. Shetty), MacMillan Publishers India Ltd, Delhi, pp. 10-114. ISBN 978-935-059-058-4.

2011

3. Ramani bai V., Sumiani Yusoff and **S. Mohan**, (2011), "Groundwater resource management by Hydraulic simulation of groundwater flow using Visual Modflow". In: Land-use & Natural Resources: Context of Disaster Reduction and Sustainability National Institute of Disaster Management Ministry of Home Affairs, M/s. Astral International, New Delhi. (In Press.)

2008

4. **S. Mohan** and Marykutty Abraham (2008), "Roof-top Rainwater Harvesting Systems", Chapter on the book titled "Advances in Water Quality & Management" (Editors: Sudhakar M. Rao, Manto Mani and N.H. Ravindranath), Research Publishing, Singapore, pp. 266-278. ISBN 978-981-05-9012-3.

2006

5. **S. Mohan**, "Groundwater Modelling: An Overview", a Chapter in the book titled "Groundwater Flow and Mass Transport Modelling" (Edited by T. Vinoda Rao, Andhra University) Allied Publishers Pvt. Ltd., pp. 1-21, January 2006.
6. **S. Mohan** and S.K. Pramada, "Regional Groundwater Modelling", a Chapter in the book titled "Groundwater Flow and Mass Transport Modelling" (Edited by T. Vinoda Rao, Andhra University) Allied Publishers Pvt. Ltd., pp. 178-185, January 2006.
7. **S.Mohan** and S.K. Pramada (2006), "Groundwater modeling using GIS.", A chapter in the book titled "Applications of Geomatics in Urban Environment Management" (Edited by P.Partheeban and V Diwahar, St.Peter's Engineering College, Avadi, Chennai) Bharathi Publishers., pp. 97-103.

2005

8. **S. Mohan** and S.K. Pramada, "Groundwater Contaminant Transport Modelling", a Chapter in the book titled "Numerical Simulation of Groundwater Flow and Solute Transport" (Edited by L. Elango, Anna University) Allied Publishers Pvt. Ltd., pp. 151-164, 2005.

2003

9. **S. Mohan** and V.Ramani Bai (2003) On Improving Data Fitting Procedure in Reservoir Operation using Artificial Neural Networks. Advances in Soft computing, Part 1: Connectionist Paradigms and Machine Learning, Springer-Verlag, New York Inc., pp. 13-23.

2000

10. **S. Mohan** and Madhav Narayan Shrestha (2000) "Appraisal of Groundwater Potential in IIT MADRAS Campus", *Indian Institute of Technology Madras*, 35p.

VI. RESEARCH REPORTS & EDITED PROCEEDINGS

2007

1. **S. Mohan**, "State of Art Report on Artificial Neural Network Modelling", Published by Indian National Committee on Hydrology (INCOH), IHP National Committee of India for UNESCO,

National Institute of Hydrology, Roorkee, India, (Scientific Contribution Number INCOH/SAR-28/2007), January 2007. 88p.

2004

2. Vairavamorthy, K., Gorantiwar, S.D., Yan, J., and Galgale, H., Mansoor, M.A.M, and **S. Mohan** (2004) "Risk Assessment for Contaminant Intrusion." *Research Report submitted to Department for International Development (DFID), UK.*

1997

3. **S.Mohan** and P.V. Subrahmaniam (1997) (Editors) "Fuzzy Set Theory and Applications", June 1997.

1991

4. H.Raman and **S.Mohan** (1991). "Simulation of Multipurpose Multireservoir Operation for Chaliyar Basin", Research Report No. CE-91-16, Department of Civil Engineering, Indian Institute of Technology, Madras, 120p.

1990

5. H.Raman and **S.Mohan** (1990). "Report on Cauvery Basin", Department of Civil Engg., Indian Institute of Technology, Madras, India, 66p.

1987

6. **S.Mohan** and Ramprasad (1987). "Study on Evapotranspiration Models", *Research Report No. WRI*, Department of Civil Engg. Indian Institute of Science, Bangalore, 88p.

ANNEXURE –II
LIST OF Ph.D THESES EXAMINED

Sl. No	Scholar Name	Year	Thesis title	University / Institute
1.	Sekar.A.S.S.	1993	Descriptive and prescriptive models for seawater intrusion	National institute of Technology, Warangal
2.	Nagaraju Kumar.C	1994	Optimal Extensive Irrigation in a Tank-Fed System	Indian Institute of Technology, Madras
3.	Murali.K	1996	Performance Analysis of a Cage Floating Breakwater (CFB)	Indian Institute of Technology, Madras
4.	Neelakantan.T.R.	1997	Simulation-Optimization Model for Reservoirs System Operation	Anna University, Chennai
5.	Ravikumar.G	1997	Land-use Based Integrated Drought Assessment	Anna University, Chennai
6.	Krishnaveni.M	1998	GIS Based Watershed Information System for Tank Clustered Catchment Yield	Anna University, Chennai
7.	Chandra Sekhar.G	1998	Conjunctive Use Modelling for Multicrop Irrigation	Indian Institute of Science, Bangalore
8.	Ramalingam.M	1998	Modelling of Watershed Fpr Sustainable Development Using Remote Sensing and GIS	Anna University, Chennai
9.	Priyadarshi H. Sawant	1998	A Variable Source Area Conceptual Model for Western Ghats, Karnataka	Indian Institute of Science, Bangalore
10.	Vijayakumar.R	1998	Malayalam Character Recognition Using Art Based Artificial Neural Networks	College of Engineering, Thiruvananthapuram
11.	Surendra Kumar Mishra	1998	Operation of a Multipurpose Reservoir	University of Roorkee
12.	Aman Sharma	1999	Modelling of Groundwater Levels and Quality Using Neural Networks, Time Series, Fuzzy Sets and Remote Sensing.	Indian Institute of Technology, Delhi
13.	Prakash Chandra Swain	2000	Multipurpose Reservoir Management Using Neural Networks And Neuro-Fuzzy Inference Systems	National Institute Of Technology, Warangal
14.	Sreenivasan.K.R.	2001	Structural Analysis And Forecasting Of Annual Rainfall Series In India	Indian Institute Of Science, Bangalore
15.	Kasinatha Pandian.P	2002	Coastal Dynamics Of North Chennai Coast, Southeast India	Anna University, Chennai
16.	Thirumalaivasan.D	2002	Specific Aquifer Vulnerability Assessment Using GIS and Modified DRASTIC Model	Anna University, Chennai

17.	Mallikarjun. N. Dandigi	2003	Experimental Studies on Treatment of Settled Municipal Wastewater Using Constructed Wetlands	National Institute of Technology, Warangal
18.	Paresh Chandra Deka	2003	Fuzzy Neural Network Modeling for Hydrological Studies	Indian Institute of Technology, Guwahati
19.	Sastry. R.L.Y.P.	2004	Studies on Sludge Characterization, Solidification, Leachate Treatment, TSDF Design & Environmental Impact Assessment for Disposal Facility of Hazardous Chromium Waste (Chromium Ore Processing Residue) of Chromate Industry	Jawaharlal Nehru Technological University, Andhra Pradesh
20.	Deepti Rani	2004	Multilevel Optimization of a Water Resources System	Indian Institute Of Technology, Roorkee
21.	Joygopal Jena	2004	Systems Analysis Of An Irrigation And Cascade Hydropower Scheme	Indian Institute Of Technology, Roorkee
22.	Samuel Suman Raj Dasary	2005	Studies on the Application of Biological and Photo-catalytic Methods for the Degradation of Some EPA Listed Hazardous Organic Pollutants	Jawaharlal Nehru Technological University, AP
23.	Vincent (A) Venkatesan. P	2005	Artificial Intelligence Techniques for Inflow Forecasting and Optimal Operation of Reservoir System	Anna University, Chennai
24.	Sivacoumar . R	2005	Development of On-Road Vehicle Emission Factors and Modeling of Automobile Pollution for Chennai City	Anna University, Chennai
25.	Mittal. S.r	2006	Studies on the Application of Advanced Oxidation Process for the Treatment of Toxic Organics In Industrial Wastewaters of a Bulk-Drug Manufacturing Industry	Jawaharlal Nehru Technological University, AP
26.	Chandra sekhar rao. G	2006	Remote Sensing and GIS Based Natural Resources Inventory and Management Plan for Erimulli Vagu Catchment, Musi River Basin, AP	Jawaharlal Nehru Technological University, AP
27.	Sanghamitra Kundu	2006	Analysis and Modeling of Arsenic Sorption onto Iron Oxide Coated Cement (IOCC) from Aqueous Environment	Indian Institute of Technology, Kharagpur
28.	Ashok Kumar Mishra	2006	Drought Characterization and Forecasting-A Hybrid Approach	Indian Institute of Technology, Kharagpur
29.	Jeppiaar	2006	Improved Water Management Strategies for Chennai Metropolitan Area	Anna University, Chennai
30.	Sreekumar. J	2006	Planning Strategies For Water Conservation Using Digital Watershed Modeling	National Institute Of Technology, Calicut

31.	Parathasarathi Majumdar	2007	Biological Treatment of Wastewater Containing Chlorinated Phenols	Indian Institute of Technology, Bombay
32.	Prashanti Sam. R	2007	An Investigation of the Quality of Ambient Air in Kurnool Town & Nearby Villages and the Health Effects Due to Air Pollution	Jawaharlal Nehru Technological University, AP
33.	Usha rani. K	2007	Studies on the Distribution and Accumulation of Heavy Metals and Other Toxic Pollutants in Soil Water and Agricultural Produce in Areas Under Musi River Basin of AP	Jawaharlal Nehru Technological University, AP
34.	Kulkarni. N. H.	2007	Numerical Experiments in Solute Transport In Groundwater Flow System	Indian Institute of Technology, Bombay
35.	Vishnu. G.	2007	Characterization of Exhausted Reactive Dye-bath and its Reuse After Nano-filtration and Ozonation	Anna University, Chennai
36.	Satyanarayana. P	2007	Some Studies Related To Highway Traffic Noise and Its Impact on Environment of Visakhapatnam City	Andhra University
37.	Rekha. P	2007	Studies on the Development of Technologies for Detoxification, Stabilization and Utilization of Industrial Waste Sludge	Jawaharlal Nehru Technological University, AP
38.	Mimi Das Saikia	2007	Simulation of Dam Break Hydraulics In Natural Flood Plain Topography	Indian Institute of Technology, Guwahati
39.	Rewatkumar Pithuji Porkar	2007	Biodegradation of Chlorinated Organic Compounds Using UASB Reactor	Indian Institute of Technology, Bombay
40.	Y.R. Satyajai Rao	2007	GIS Linked Modeling of Nitrate Contamination in the Urban Coastal Aquifer of Eastern Godavari Delta	Indian Institute of Technology, Delhi
41.	Anil Kumar. P. P	2008	The Impacts of Land-use on The Health of Urban Coastal Zones	Indian Institute of Technology, Madras
42.	Prabir Maity	2008	Analysis and Control of Saline Water Intrusion in Coastal Aquifers With Special Emphasis on East Coast of India	Bengal Engineering and Science University,
43.	Karthikeyan. V.	2008	Environmental Impact Assessment on Improper Disposal of Municipal Solid Waste and Effective Solid Waste Disposal System in Salem City	Sathyabama University, Chennai
44.	Suji. D	2008	Experimental Studies and Optimal Design of Fibre Reinforced Concrete Structural Members Using Genetic Algorithm and Simulated Annealing	Sathyabama University, Chennai
45.	Shiva reddy. M.S.	2008	Evaluation of Flow Parameters in Closed Conduits and in Typical Tunnel Sections Under Free Surface Flow Conditions	Jawaharlal Nehru Technological University, AP

46.	Malleswara Rao. B.N	2008	Development of GIS Based Decision Support System for Watershed Management	National Institute of Technology, Warangal
47.	Mahadevan. P	2008	Solid Waste Management Planning In Greater Madurai Region	Anna University, Chennai
48.	Gumma MuraliKrishna	2008	Methods and Approaches for Irrigated Area Mapping at Various Spatial Resolutions Using AVHRR, MODIS and Landsat ETM Data for the Krishna River Basin, India	Jawaharlal Nehru Technological University, AP
49.	Gummadi Venkata Rao	2008	Hydrology and Hydraulic Aspects of Coastal Lakes - A Case Study of Kolleru Basin, Ap	Andhra University
50.	Sagareswar Gummeneni	2008	Chemical Characterization of Particulate Matter (PM ₁₀ & PM _{2.5}) & their Source Apportionment Studies in Hyderabad Using Online Air Pollution Monitoring System	Jawaharlal Nehru Technological University, AP
51.	Saravanan. R	2009	Optimization of Pumping Well Location for Containment and Remediation of Contaminated Plume Using Heuristic Algorithms	Anna University, Chennai
52.	Sujatha. P	2009	Groundwater Level Forecasting Using Artificial Neural Networks	Sri Venkateswara University, Tirupathi
53.	Sundar Vadan. R	2009	Creation of Village Information System and Model Action Plan For Sustainable Development	Jawaharlal Nehru Technological University, AP
54.	Sudalaimani. K	2009	Studies on Improving the Durability of Concrete In Marine Environment	Thiagarajar College of Engg., Madurai
55.	Rambabu. N.	2009	Treatment of Dyes and Dye Effluents Using Advanced Oxidation Techniques	Jawaharlal Nehru Technological University, AP
56.	Shailza Verma	2009	Development of a Decision Support System for Integrated Urban Water Management	Indian Institute of Technology, Roorkee
57.	Ramesh. B.R.	2009	Strategies for Performance Improvement of Harihar Branch Canal Command Area of Bhadra Irrigation System	Anna University, Chennai
58.	Chandran. S	2009	Environmental Impacts of Urban Sewage Irrigation	Anna University, Chennai
59.	Sara Khalid	2009	Studies on Development of New Methodologies for Analysis and Treatment of Aromatic Sulphonates in Aquatic Environment	Jawaharlal Nehru Technological University, Andhra Pradesh
60.	Vaibhav Garg	2009	Evaluation of Reservoir Sedimentation Using Data-Driven Techniques	Indian Institute of Technology, Bombay

61.	Maheswaran. G	2010	Groundwater Resources Exploration in Salem District, Tamil Nadu Using GIS and Remote Sensing	Anna University, Chennai
62.	Ramakrishnan. K	2010	Crop Calendar Adjustment Study In Sathanur Irrigation System	Sastra University, Thanjavur
63.	Suja. R	2010	Water Distribution Network Analysis Using Multi-Objective Genetic Algorithms	College of Engineering Trivandrum
64.	Arumugam. K	2010	Assessment of Groundwater Quality In Tirupur Region	Anna University Chennai
65.	Rajamanickam. R	2010	Groundwater Quality Modeling of Amaravathi River Basin of Karur District, Tamilnadu, Using Visual Modflow	Anna University Chennai
66.	Noble Jacob	2011	Assessment of Groundwater Flow and Contaminant Transport Mechanisms in a Multi-layered Regional Aquifer System Using Isotope Hydro-geochemistry and Numerical Modeling	Indian Institute of Technology Bombay
67.	Sheela A. M.	2011	Water Quality Modeling of a Lake System Using Remote Sensing and GIS- A Case Study	College of Engineering Trivandrum
68.	Usha manohar	2014	Modeling and Analysis of Water Distribution Systems	Indian Institute of Science, Bangalore
69.	Elangovan. C	2014	Performance Evaluation of Up-flow Anaerobic Sludge Blanket (UASB) Reactor Process Treating Dairy Wastewater.	Anna University Chennai
70.	Lenin Kalyanasundaram V.	2015	Modeling Seawater Intrusion for the Management of Coastal Aquifer	Anna University Chennai
71.	Vishal Deshpande	2015	Hydrodynamics of Alluvial Channel with Downward Seepage	Indian Institute of Technology, Guwahati
72.	D.K. Baby Girija	2015	Hydrodynamic Investigations on Near-shore Morphological Changes Due To Construction of Breakwaters Through Case Studies	AMET University, Chennai
73.	V. Rathinakumar	2016	Effect of step geometry and water quality on Efficiency of Cascade Aeration	Sastra University, Thanjavur
74.	G.V. Nagalingeshwar Rao	2017	Siltation Studies on Tungabhadra Project in Krishna Basin	JNTU, Ananthapuramu
75.	Anup kumar Gupta	2017	Utilization of Coal Mine Overburden Waste as Underground Mine Filling Material at Jharia Coalfield	Indian Institute of Technology, Dhanbad
76.	Y.Siva Prasad	2017	Geohydrological and Groundwater Modeling studies of a Khondalitic Aquifer	Jawaharlal Nehru Technological University, AP

77.	M.Sridhar	2017	Assessment of Fair Compensation for Delay Claims in case of Partial Distribution in work	Osmania University, Hyderabad, Telangana.
78.	B. Vikram	2017	CPM Analysis for Scheduling and Controlling project Activities using AI Techniques	Osmania University, Hyderabad, Telangana.

