

1. Professional Activities

1.1. Associate Editor / Editorial Member

1. Associate Editor, IAHR, Journal of Applied Water Engineering and Research, Taylor & Francis, UK, (from Jan 2021 to till date)
2. Associate Editor, ASCE Journal of Hydrologic Engineering, ASCE Publication, (from May 2020 to till date)
3. Co-Chairman, and Associate Editor, ISH Journal of Hydraulic Engineering, Taylor & Francis, UK (from 2010 to till date)

1.2. Books and Books Chapter Reviewer

1. Practical Measures of Flood Management – Institution of Engineers India.
2. Engineering Hydrology, Second Edition, Subramaniya, PHI,
3. ASCE Book, Integrated Management of water supply for a large city, Mohankumar MS. Usha Manohar and Anjana GR
4. Hand Book of Applied Hydrology Edited by Prof. V. P Singh: Reviewed Chapter 30, Nonlinear Dynamics and Chaos by Bellie Sivakumar.

1.3. Journal Reviewer

Reviewed number of manuscripts (papers) for the following referred national and international journals

1. Advances in Water Resources
2. Agricultural Water Management
3. American Water Works Association
4. Applied Mathematical Modelling
5. Applied Soft Computing
6. Applied Water Science
7. Artificial Intelligence Review
8. ASCE Journal of Hydraulic Engineering
9. ASCE Journal of Hydrologic Engineering
10. ASCE Journal of Irrigation and Drainage Engineering
11. ASCE Journal of Water Resources Planning and Management
12. Atmosfera
13. Atmospheric Research
14. Canadian Journal of Civil Engineering
15. Civil Engineering and Environmental Systems
16. Clean Soil Air and Water
17. Current Science
18. Earth System Science
19. Engineering Applications of Artificial Intelligence
20. Engineering Applications of Computational Fluid Mechanics
21. Environmental Engineering Science
22. Environmental Modelling & Software
23. Experimental Thermal and Fluid Science

24. Expert Systems with Applications
25. Flow Measurement and Instrumentation
26. Geoscience Letters-AOGS Journal
27. Hydrological Processes
28. Hydrological Sciences Journal
29. Hydrology Earth Science Systems
30. Hydrology Research
31. IAHR Journal of Hydraulic Environmental Systems
32. Information processing in Agriculture
33. Indian Geophysical Union
34. Indian Water Resources Society (IWRS) Journal
35. International Journal of Earth Sciences & Engineering
36. International Journal of Agricultural Science and Technology
37. International Journal of Earth Sciences and Engineering
38. International Journal of Energy and Water Resources
39. International Journal of Environmental Informatics, (International Society for Environmental Informatics) Canada
40. International Journal of Environmental Management
41. International Journal of Hydrological Science and Technology
42. International Journal of Sediment Research
43. International Journal of Spatial Hydrology
44. International Journal of Water
45. Journal of Computers and Electronics in Agriculture
46. Journal of Drinking Water Engineering and Science
47. Journal of Earth System Science
48. Journal of Environmental Management
49. Journal of Flood Engineering
50. Journal of Geomatics and Environmental Engineering
51. Journal of Hydro-environment Research
52. Journal of Hydroinformatics
53. Journal of Hydrology
54. Journal of Hydrologic Engineering
55. Journal of Indian Society of Hydraulics-ISH
56. Journal of Indian Water Resources Society
57. Journal of the Indian Society of Remote Sensing
58. Journal of Infrastructure, Policy and Development
59. Journal of Institution of Engineers (India) Series A
60. Journal of Stochastic Environmental Research and Risk Assessment.
61. Journal of the Indian Society of Remote Sensing, ISRS, India.
62. Journal of Water and Climate Change
63. Journal of Water Resources Environmental Engineering
64. Journal of water Resources Planning and Management
65. Journal of Water Supply
66. KSCE- Korean Society of Civil Engineering Journal
67. Mine Water Engineering
68. Natural Hazards
69. Natural Resource Modeling
70. Neural Computing and Applications
71. Open Hydrology
72. Resources, Conservation and Recycling

73. Sadhana
74. Science of the Total Environment
75. Soft Computing
76. Water Research
77. Water Resources Management (WARM, Springer Publications)
78. Water Resources Research
79. Water Science and Technology
80. Water Supply

1.4. Outside PhD Thesis Reviewer

1. Served as an External Examiner for Ph.D. thesis, **Regionalization of Parameters of Hydrological Models in South Indian River Basins** submitted by Mr. Chandrashekarayya G. Hiremath to Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore, India, Apr, 2024. (viva conducted on)
2. Served as an External Examiner for Ph.D. thesis, **“Theoretical Study on Non-Equilibrium Sediment Transport in Open Channel Flow”** submitted by Mr. Sumit Sen to Indian Institute of Technology Kharagpur, Kharagpur, India, April. 2024 (viva conducted on)
3. Served as External Examiner for Ph.D thesis, **“Flow Characteristics and Scour Patterns at Vertical Hydro-Suction Pipes”** submitted by Mr. Akash Jaiswal to Department of Water Resources Development and Management Indian Institute of Technology Roorkee, Roorkee, India, January, 2024.
4. Served as External Examiner for Ph.D thesis, **“Assessment of Sediment Abrasive Potential In Himalayan Rivers”** submitted by Mr. Naman Arora to Department of Hydro and Renewable Energy Indian Institute of Technology Roorkee, Roorkee, India, February, 2024.
5. Served as an External Examiner for Ph.D. thesis, **“Spatiotemporal Assessment of Flash Flood Vulnerability & Monsoon Runoff for a High-Altitude Ungauged Watershed”** submitted by Mr. Dibyandu Roy to Indian Institute of Technology Kharagpur, Kharagpur, India, January, 2024 (viva conducted on 5-Jul-2024)
6. Served as External Examiner for Ph.D thesis, **“Drought Assessment in Data Scarce Regions of Afghanistan Using Statistical Approaches”** submitted by Mr. Rahmatullah Dost to Department of Water Resources Development and Management Indian Institute of Technology Roorkee, Roorkee, India, February, 2024. (viva conducted on)
7. Served as an External Examiner for Ph.D. thesis, **“Management Models o Control Nitrous Oxide Emissions from Tidal Rivers”** submitted by Mr. Chandra Sekhar Akella to Department of Civil Engineering, Indian Institute of Technology Madras, Chennai, Feb, 2024. (viva conducted on 3-Jul-2024)
8. Served as an External Examiner for Ph.D. thesis, **“Rainfall-Runoff Modeling using Hydrological Models and Soft Computing Techniques”** submitted by Mr. Shailesh Kumar to Department of Civil Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi, July, 2023. (viva conducted on)

9. Served as an External Examiner for Ph.D. thesis, **“Assessment of Drought Indices for the Meteorological Subdivisions of India Using Machine Learning Techniques”** submitted by Ms. Ayilobeni Kikon to Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore, India, July, 2023. (viva conducted on)
10. Served as an External Examiner for Ph.D. thesis, **“Rainfall Runoff modelling using hydrological models and soft computing techniques”** submitted by Mr. Shailesh Kumar to Indian Institute of Technology (BHU), Varanasi, India, Sep. 2023 (viva conducted on)
11. Served as an External Examiner for Ph.D. thesis, **“Numerical Solution of Sediment Transport Problems Under Non-Equilibrium Condition”** submitted by Mr. Sourav Hossain to Indian Institute of Technology Kharagpur, Kharagpur, India, Jun. 2023 (viva conducted on 17 Oct-2023)
12. Served as an External Examiner for Ph.D. thesis, **“Optimization of Multiple Reservoir System Using Evolutionary Algorithm”** submitted by Priya Chauhan to Shri Govindram Seksaria Institute of Technology and Science, Indore (M.P), Rajiv Gandhi Technological University, India, May. 2023.
13. Served as an External Examiner for Ph.D. thesis, **“Prioritization of Divisions, Districts and Blocks in the Rajasthan State with Investigation of factors affecting declining groundwater”** submitted by Phulpagar Sanju Ramesh to Department of Civil Engineering, S.V. National Institute of Technology, Surat, India, Dec. 2022.
14. Served as an External Examiner for Ph.D. thesis, **“Exploring the Hydraulic Performance of Conical Pile Head Breakwater -An Experimental Investigation”** submitted by Mr. Arunakumar H S Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore, India, Feb, 2023. (viva conducted on 30 Jun-2023)
15. Served as an External Examiner for Ph.D. thesis, **“Spatio-Temporal Modelling of Reference Crop Evapotranspiration across Karnataka State, India”** submitted by Mr. Niranjana S to Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore, India, Nov, 2022. (viva conducted not with me as examiner)
16. Served as an External Examiner for Ph.D. thesis, **“Effect of Temporal Discretisation on Rainfall extremes and development of True interval non-stationary IDF curves over Indian Regions”** submitted by Ghate Aarti Sidram to Department of Civil Engineering, S.V. National Institute of Technology, Surat, India, Nov. 2022 ((Viva conducted on 10th Apr 2023).
17. Served as External Examiner for Ph.D thesis, **“Renewable Energy Forecasting Based Hydropower Scheduling”** submitted by Ms. Akshita Gupta to Indian Institute of Technology Roorkee, Roorkee, India, Sep, 2022. (viva conducted on 26th Dec. 2022)
18. Served as an External Examiner for Ph.D. thesis, **“Streamflow Forecasting Using Wavelet Coupled Soft Computing Techniques and Stream Water Quality-Quantity Assessment Using Fuzzy Logic”** submitted by Ms. Shruti Kambalimath S to Department of Water Resources and Ocean Engineering, National Institute of Technology Karnataka,

Surathkal, Mangalore, India, May, 2022. (viva conducted on 22nd Feb. 2023)

19. Served as an External Examiner for Ph.D. thesis, **“Risk Assessment and Mitigation Strategies for Urban Floods Under Climate Change”** submitted by Ms. Rampalli Madhuri, to Department of Civil Engineering, Birla Institute of Technology and Science Pilani, Hyderabad Campus, India, May, 2022. (Viva Conducted on 13th Oct 2022)
20. Served as an External Examiner for Ph.D. thesis, **“Total Mercury in Environmental Matrix from Urban Areas in Mumbai”** submitted by Mr. Karan Maheshkumar Sadhwani to Department of Civil Engineering, Veermata Jijabai Technical Institute VJTI, Mumbai, June, 2022. (Viva Conducted on 27th Sep 2022)
21. Served as an External Examiner for Ph.D. thesis, **“Construction Planning, Modelling, and Analysis of Rainwater Harvesting System in Rural Scenario”** submitted by Mr. Raya Raghacendra Kumar to Department of Civil Engineering, Birla Institute of Technology and Science Pilani, Pilani Campus, India, May, 2022. (Viva Conducted on 22nd Sep 2022)
22. Served as an External Examiner for Ph.D. thesis, **“Water Demand Forecasting and Optimal Design of Water Distribution Networks Considering Fuzzy Random Uncertainties”** submitted by Ms. Prerna Pandey to Department of Civil Engineering, Visvevaraya National Institute of Technology Nagpur, Nagpur, India, May, 2022. (Viva Not conducted)
23. Served as External Examiner for Ph.D thesis, **“Hydrological Assessment of LULC and Climate Change within the Water Resource Development Scenario of Omo Gibe Basin, Ethiopia”** submitted by Mr. Shiferaw Eromo Chaemiso to Indian Institute of Technology Guwahati, Guwahati, Assam, India, Mar. 2022 (Viva Conducted on 11th Apr. 2022)
24. Served as an External Examiner for Ph.D. thesis, **“Mathematical Modelling of Turbulent Flow and Sediment Transport Process Through an Open Channel”** submitted by Mr. Shiv Mohan to Indian Institute of Technology Kharagpur, Kharagpur, India, Mar. 2022 (Viva Conducted on 7th Apr. 2022)
25. Served as an External Examiner for Ph.D. thesis, **“Climate Change impacts and mitigation measures on floods in urbanising areas”** submitted by Ms. Seenu P Z, Department of Civil Engineering, National Institute of Technology Warangal, Telangana, Feb. 2022 (Viva Conducted on 6th Apr. 2022)
26. Served as an External Examiner for Ph.D. thesis, **“Surveillance of groundwater quality in Thanjavur block and development of household level iron removal system”** submitted by Mr. AR Raghavan, Department of Civil Engineering, Periyar Maniammai Institute of Science and Technology, Thanjavur, Feb. 2022 (Viva not called me, since the thesis is very poor)
27. Served as an External Examiner for Ph.D. thesis, **“Enhanced SWAT-POTHOLE model for hydrological analyses of Kangasbati Reservoir Catchment-command under changing climate”** submitted by Mr. Sonam Sandeep Dash, Department of Civil Engineering, Indian Institute of Technology Kharagpur, August. 2021- (Viva Completed)

28. Served as an External Examiner for Ph.D. thesis, **“Watershed Management Information System for Sustainable Development”** submitted by Mr. Velayudha Das, Department of Civil Engineering, Annamalai University, Chidambaram, March. 2021 (Viva Conducted on 13th May. 2022)
29. Served as an External Examiner for Ph.D. thesis, **“Spatial and Temporal Hydrological modelling and Vulnerability assessment of climate change impacts on water resources of the Tamiraparani River Basin, India”** submitted by Ms. Martina Isabella M to Department of Civil Engineering, Anna University, Chennai, India, March, 2021. (Viva Conducted on 27th Apr. 2022)
30. Served as an External Examiner for Ph.D. thesis, **“Hydrodynamics Modeling to Demarcate Flood-prone Areas and Subsurface Water Contamination Zones along the Lower Damodar River using Geomatic Techniques”** submitted by Mr. Ravindra Kumar Singh, Indian Institute of Technology (Indian School of Mines) Dhanbad, India, July, 2021. (Viva Conducted on 22nd Nov. 2021)
31. Served as an External Examiner for Ph.D. thesis, **“Optimal design and layout of irrigation pipe distribution networks”** submitted by Ms. Preeti Walmik Gajghate to Department of Civil Engineering, Visvevaraya National Institute of Technology Nagpur, Nagpur, India, May, 2021. (Viva Conducted on 22nd Sep. 2021)
32. Served as External Examiner for Ph.D thesis, **“Experimental study of solute transpost through three-dimensional porous media”** submitted by Mr. Muskan Mayank to Indian Institute of Technology Roorkee, Roorkee, India, Dec, 2020
33. Served as External Examiner for Ph.D thesis, **“Analysis of Climate Variability and their effects on crop Yield”** submitted by Mr. Ankit Balvanshi to Maulana Azad National Institute of Technology Bhopal, Madhya Pradesh, India, June, 2020
34. Served as External Examiner for Ph.D thesis, **“River-Aquifer Interactions in Kosi Basin using Hydrological Models and Remote Sensing Inputs”** submitted by Mr. Laveti NV Satish to Indian Institute of Technology Guwahati, Guwahati, Assam, India, May 2020 (Viva Conducted on 21st Aug. 2020)
35. Served as External Examiner for Ph.D thesis, **“Fuzzy Reliability-Based Optimization of Reservoir Systems for Hydropower Generation”** submitted by Ms. Sukanya J Nair to National Institute of Technology Calicut, Kozhikode, Kerala, India, March 2020
36. Served as an External Examiner for Ph.D. thesis, **“Characterization of Historical and Future Hydrometeorological Droughts in an Indian Tropical River Basin”** submitted by Mr. Abhishek A Pathak to Department of Applied Mechanics and Hydraulics, National Institute of Technology Karnataka, Surathkal, Mangalore, India, June, 2019.
37. Served as an External Examiner for Ph.D. thesis, **“Velocity Distribution and Drag Characteristics of Sill and Baffles in Submerged Hydraulic Jump”** submitted by Ms. Nisha Khanam to Faculty of Civil Engineering, Anna University Chennai, India, April 2019. (Viva Conducted on 12th Feb. 2020)
38. Served as an External Examiner for Ph.D. thesis, **“Modelling of Overbank Flow in Two Stage Meandering Channels”** submitted by Mr. Abinash Mohanta to National Institute of

Technology Rourkela, Rourkela, Odisha, Aug. 2019 (viva held on 9th Nov. 2019)

39. Served as External Examiner for Ph.D thesis, **“Optimal Operation of Run of River Small Hydro Power Plant”** submitted by Mr Vineet Kumar Singh to Indian Institute of Technology Roorkee, Roorkee, India, July, 2019
40. Served as an External Examiner for Ph.D. thesis, **“Attaining Optimal Sustainability for Urban Waste Water Management - Case Study of Vadodara Urban Development Authority Area”** submitted by Mr. Shah Devang Arvindbhai to Gujarat Technical University, Ahmedabad, India, Mar 2019
41. Served as an External Examiner for Ph.D. thesis, **“Groundwater Quality Assessment in Part of Pudukkottai District”** submitted by Ms. Subasree D R to Faculty of Civil Engineering, Anna University Chennai, India, December 2018.
42. Served as an External Examiner for Ph.D. thesis, **“Estimation of Saturated Hydraulic Conductivity in Spatially Variable Fields Using Various Soft Computing Techniques”** submitted by Satish Bhaurao More to Department of Applied Mechanics and Hydraulics, National Institute of Technology Karnataka, Surathkal, Mangalore, India, June, 2018.
43. Served as an External Examiner for Ph.D. thesis, **“Integrated Studies on the Biotic and Abiotic Components for Management of Pulicat Lagoon Ecosystem, South India”** submitted by Ms. Saraswathy R to Faculty of Civil Engineering, Anna University Chennai, India, Feb 2019. (Viva held on 5th July 2019)
44. Served as an External Examiner for Ph.D. thesis, **“Application of Maximum Entropy Principle to Open Channel Turbulent Flow”** submitted by Mr. Manotosh Kumbhakar to Indian Institute of Technology Kharagpur, Kharagpur, India, April 2019 (Viva on 10th May 2019)
45. Served as an External Examiner for Ph.D. thesis, **“Development of a physics based distributed integrated hydrological model for prediction of water availability in a Semi-Arid Region in India”** submitted by Loliyana Viraj Deepakbhai to Department of Civil Engineering, S.V. National Institute of Technology, Surat, India, July 2018. (Viva held on 17th May 2018)
46. Served as an External Examiner for Ph.D. thesis, **“Impact of climate change on surface water availability of a tropical coastal river Basin-Chennai ”** submitted by Balambal Usha to Faculty of Civil Engineering, Anna University Chennai, India, May 2017. (Viva held on 12th Dec. 2017).
47. Served as an External Examiner for Ph.D. thesis, **“An investigation of soil aquifer treatment of secondary treated wastewater”** submitted by Selvakumar to Faculty of Civil Engineering, Anna University Chennai, India, April 2017. (Viva held on 11th Dec. 2017).
48. Served as an External Examiner for Ph.D. thesis, **“Estimation of Daily Actual Served as an External Examiner for Ph.D. thesis, “Coastal Erosion Modeling Using GIS&Remotely Sensed Data for Andhra Pradesh”** submitted by Hari Prasad to Research and Development Cell, Jawaharlal Nehru Technological University, Hyderabad, India, May 2017. (Viva held on 30th Nov. 2017).

49. Served as an External Examiner for Ph.D. thesis **“Evapotranspiration using Microwave and optical vegetation indices for clear and cloudy sky conditions”** submitted by Ms. Shwetha Hassan Rangaswamy, IISc Bangalore (Viva held on 25th Sep. 2017).
50. Served as an External Examiner for Ph.D. thesis, **“Integrated and Innovative Modelling Approaches for the Estimation and Prediction of Rainfall-Runoff Process ”** submitted by Mr. V. G. Sayagavi, Mumbai University, Mumbai (Viva held on July 2017).
51. Served as an External Examiner for Ph.D. thesis, **“Optimization of Hedging Rules for Operation of Hydro-Power Reservoir”** submitted by K. Sasireka to Shanmuga Arts, Science, Technology & Research Academy, SASTRA University, Thanjavur, India, January 2017. (Viva held on 19th June, 2017)
52. Served as an External Examiner for Ph.D. thesis, **“Optimal Sensor Locations in Water Distribution Network Using Genetic Algorithm for Regular Water Quality Monitoring and Contamination Detection Including Application to Pressure Deficient Networks”** submitted by Ms. Shweta Rathi to Department of Civil Engineering, Visveswaraiya National Institute of Technology, Nagpur, Maharashtra, India, August, 2016.
53. Served as an External Examiner for Ph.D. thesis, **“Studies on the Dynamics of Liquid Sloshing in Storage Tanks”** submitted by Venkata Satyamu Sanapala to Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai, India, (Viva held on 16th June 2017)
54. Served as an External Examiner for Ph.D. thesis, **“Assessment of hydrological impacts of land cover changes and climate variability in the GEBA catchment, Ethiopia ”** submitted by Gebremedhin Kiros Hailu to Department of Applied Mechanics and Hydraulics, National Institute of Technology, Surathkal, Karnataka, India, August, 2016. (Viva held on 28th Oct, 2016)
55. Served as an External Examiner for Ph.D. thesis, **“Modeling Pan Evaporation by Hybrid Wavelet Transform”** submitted by Leeladhar Pammer to Department of Applied Mechanics and Hydraulics, National Institute of Technology, Surathkal, Karnataka, India, August, 2016.
56. Served as an External Examiner for Ph.D. thesis, **“Daily Streamflow Estimation Using Remote Sensing Data”** submitted by Sisiri Danaka Nilantha Meepegalkatiya Gamage to Department of Civil Engineering, Victoria University Melbourne, Australia, April 2015.
57. Served as an External Examiner for Ph.D. thesis, **“Assessment of Nutrient Load Contribution from the Catchment by Using Model for Management Support System”** submitted by Aruna S to Faculty of Civil Engineering, Anna University Chennai, India, January 2015. (Viva not attended due to GATE exam duty)
58. Served as an External Examiner for Ph.D. thesis, **“Watershed Modeling for Sedimentation and its Impacts in Krishnagiri Reservoir”** submitted by E. Arun Babu to Faculty of Civil Engineering, Anna University Chennai, India, March 2015. (Viva held on 9th Sep. 2015)
59. Served as an External Examiner for Ph.D. thesis, **“Stream flow modelling technique for**

ungauged catchments and operation policy for vented dams in series" submitted by Chandre Gowda C to Department of Applied Mechanics and Hydraulics, National Institute of Technology, Surathkal, Karnataka, India, December, 2014. (Viva not attended due to GATE exam duty)

60. Served as an External Examiner for Ph.D. thesis, **"Data Driven Approach for Daily Pan Evaporation Modeling"** submitted by Narahari Dattatraya Chaudhari to Research Centre, Sinhgad College of Engineering, Pune, India, Feb. 2014. (Viva held on 24th Sep. 2014)
61. Served as an External Examiner for Ph.D. thesis, **"Circulation and Environmental Flow Studies in a Mangrove Ecosystem "** submitted by R. Sathyanathan to Faculty of Civil Engineering, SRM University Kattankulathur, India, April 2014. (Viva held on 15th Sep. 2014)
62. Served as an External Examiner for Ph.D. thesis, **"Managed Aquifer Recharge: An Integrated Approach for Assessing the Impact of a Check dam"** submitted by Parimala Renganayaki S to Faculty of Civil Engineering, Anna University Chennai, India, March 2014. (Viva held on 4th Aug. 2014)
63. Served as an External Examiner for Ph.D. thesis, **"Improving Irrigation System Performance in Lower Bhavani Project"** submitted by R. Rajkumar to Faculty of Civil Engineering, Anna University Chennai, India, December 2013. (Viva not attended due to GATE exam duty)
64. Served as an External Examiner for Ph.D. thesis, **"Investigation of Issues in Modeling of Rainfall-Runoff using Soft Computing methods"** submitted by Ravikumar Ganti to Department of Civil Engineering, Indian Institute of Technology Kanpur, India, April 2013 (Viva held on 25th Apr. 2014)
65. Served as an External Examiner for Ph.D. thesis, **"Visual Simulation and Optimisation Model for Water Release from Vaigai Reservoir System"** submitted by R. Balamurugan to Faculty of Civil Engineering, Anna University Chennai, India, December 2012. (Viva held on 7th Jan. 2014)
66. Served as an External Examiner for Ph.D. thesis, **"Groundwater level forecasting using radial basis function and generalized regression neural networks"** submitted by Sreenivasulu D to Department of Civil Engineering, National Institute of Technology, Surathkal, Karnataka, India, October, 2012. (Viva held on 18th Feb. 2013)
67. Served as an External Examiner for Ph.D. thesis, **"Development of 1D – 2D Integrated Hydrodynamic Model for River Flood Prediction in Coastal Urban Flood Plain"** submitted by Prafulkumar V. Timbadiya to Department of Civil Engineering, S.V. National Institute of Technology, Surat, India, July 2012.
68. Served as an External Examiner for Ph.D. thesis, **"Groundwater Model to Predict the Impact due to Textile Units at Pali"** submitted by Vijai Kumar Singhal to Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur, India, July 2012.
69. Served as an External Examiner for Ph.D. thesis, **"Data Mining Techniques for Weather Prediction and Atmospheric Sciences"** submitted by S. Meganathan to Shanmuga Arts, Science, Technology & Research Academy, SASTRA University, Thanjavur, India,

September 2012. (Viva held on 2nd Sep. 2013)

70. Served as an External Examiner for Ph.D. thesis, **“Optimization for Maintenance of Water Distribution System using Stochastic Search Algorithms”** submitted by Pratheeba Paul to Faculty of Civil Engineering, Anna University Chennai, India, June 2011.
71. Served as an External Examiner for Ph.D. thesis, **“Impacts of Eutrophication in Krishnagiri Reservoir: Sedimentation, Water Quality and Nutrients”** submitted by Mohammad Sedigh Sabeti to Faculty of Civil Engineering, Anna University Chennai, India, January 2011.
72. Served as an External Examiner for Ph.D. thesis, **“Simulation Studies, Command Area Development and Design of Hydraulic Structures of Proposed Srisailem Left Bank Canal A.P”** submitted by Lilly Padmaja Joshi Matcha to Research and Development Cell, Jawaharlal Nehru Technological University, Hyderabad, India, March, 2010.
73. Served as an External Examiner for Ph.D. thesis, **“Soft Computing Models for Runoff and Irrigation Return Flow Estimation”** submitted by D. P. Vijayalakshmi to Environmental and Water Resources Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, India, June 2009.
74. Served as an External Examiner for Ph.D. thesis, **“Impact of Tank Rehabilitation: An Analytical Study On Livelihood Options in Peri-Urban and Rural Tanks”** submitted by B. Anuradha to Faculty of Civil Engineering, Anna University Chennai, India, June 2009.
75. Served as an External Examiner for Ph.D. thesis, **“GIS based Groundwater Modelling Study to Assess the effect of Artificial Recharge in Kodaganar Sub-Watershed”** submitted by M.C. Sashikkumar to Faculty of Civil Engineering, Anna University Chennai, India, December 2006.
76. Served as an External Examiner for PhD thesis, **"Development of Operational Rules for Serial and Parallel Reservoir Systems Using Fuzzy Logic Approach"** submitted by M. Anjaneya Prasad to Environmental and Water Resources Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, India, June 2006.

1.5. Internal PhD Thesis Reviewer/Chairman

1. Served as Chariman for Ph.D. thesis, **“Sustainable Eco-centric Treatment of Wastewaters Using Constructed Wetlands: Minimization of Emerging Contamnants”** submitted by Ms. Lekshmi B, Department of Environmental Science & Engineering Indian Institute of Technology Bombay, India, May 2023
2. Served as an Internal Examiner for Ph.D. thesis, **“Decision Making Frameworks to Facilitate Stakeholder Involvement in Managing Complex Water Resources Systems”** submitted by Ms. Sai Veena, Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2023

3. Served as an Internal Examiner for Ph.D. thesis, "**Modeling of Nearshore Wave Transformation on Steep Slopes**" submitted by Mr. Karan Gupta, Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2018
4. Served as an Internal Examiner for Ph.D. thesis, "**Optimal Reservoir Operation for Hydropower Production Using Particle Swarm Optimization and Genetic Programming**" submitted by Mr. Bhola NS Ghimire, Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2014
5. Served as an Internal Examiner for Ph.D. thesis, "**WATMIS: an integrated decision support system for watershed management**" submitted by Ms. Prajakta Dadasaheb Aher to Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay, India, 2013.
6. Served as an Internal Examiner for Ph.D. thesis, "**Multi Reservoir System Optimization Using Genetic Algorithm for Water Resources Management**" submitted by Mr. Avinash S Garudkar to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2011.
7. Served as an Internal Examiner for Ph.D. thesis, "**Basin Scale Streamflow Forecasting Using Hydro-Meteorological and Hydro-climatological Inputs**" submitted by Mr. Kashid Satishkumar Shahajirao to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2010.
8. Served as an Internal Examiner for Ph.D. thesis, "**Soil Erosion and Sediment Yield Modeling of Watershed Using Finite Element Method, Geographical Information System and Remotely Sensed Data**" submitted by Mr. Gopal Naik to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2009.
9. Served as an Internal Examiner for Ph.D. thesis, "**Stream Aquifer interactions with Radial Collector Wells Using AEM, GA & PSO Based Models**" submitted by Mr. H.M. Patel to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2008.
10. Served as an Internal Examiner for Ph.D. thesis, "**Modifications to Soil Conservation Service Curve Number Technique for Rainfall-Runoff Modeling**" submitted by Mr. Ramkumar Sahoo to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2007.
11. Served as an Internal Examiner for Ph.D. thesis, "**Distributed Rainfall-Runoff Modeling of Watershed Using FEM, Remote Sensing & GIS**" submitted by Mr. Venkata Reddy to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2007.
12. Served as an Internal Examiner for Ph.D. thesis, "**Long Term Hydrologic Simulation Using Modified SCS-CN & Variable Source Area Based Models**" submitted by Mrs. Geetha K to Department of Civil Engineering, Indian Institute of Technology Bombay, India, 2007.

1.6. Outside MS Thesis Reviewer

1. Served as External Examiner for M.S thesis, "**Predictability of Non-stationary Time Series Using Wavelet and Empirical Mode Decomposition Based ARMA Models**" submitted by

Karthikeyan Lanka to Department of Civil Engineering, Indian Institute of Science Bangalore, India, July 2013.

2. Served as External Examiner for M.S thesis, "**GIS Based Morphometric Analysis of a Micro watershed at Aaraganadhi Basin Tamilnadu**" submitted by Ms. P. Yogeswari to Environmental and Water Resources Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, India, Feb. 2010.