Acknowledgement

First & foremost, I would like to express my sincere gratitude to my beloved guide Prof. A. Balasubramanian, Professor of Earth Science and Director, EMRC, University of Mysore, for his valuable guidance, suggestions, critical comments & supervision. Without him I would not have achieved my goals for this dissertation. I am deeply indebted to him for the moral support, advice & encouragement.

Special thanks are due to the University of Mysore & Rajiv Gandhi National Fellowship Scheme (RGNFS), University Grants Commission (UGC), New Delhi, which provided the financial support with fellowship without which this work would not have been undertaken.

I express my sincere thanks to Prof. V.G. Talawar, Hon’ble Vice-Chancellor, University of Mysore, for his valuable support & facilities provided in the University.

I express my sincere thanks to Chairman, Dr. A.G. Devi Prasad, Prof. S.L. Belagali, Dr. Srikantaswamy, Dr. Venkataraman & Dr. Raju, Department of Environmental Science, University of Mysore for their constant encouragement & support during the study.

I am very much grateful to Prof. E.T. Puttaiah, Hon’ble Vice-Chancellor, Gulbarga University, Gulbarga. Prof. J.A.K. Tareen, Hon’ble Vice-Chancellor, Pondicherry Central University, Puducherry & Prof. Lawrence Surendra, Senior Advisor, South Asia Pacific, Stockholm Environment Institute, Sweden & University of Mysore for the encouragement & support throughout the study.
I express my sincere thanks to Dr. Tilak R. Kem, Chairman, Consortium for Educational Communication (CEC) - An Inter University Centre of University Grants Commission on Electronic Media (UGC), New Delhi.

Thanks are due to Professors H.T. Basavarajappa, C. Srikantappa, K. Byrappa, S. Govindaiah, Readers P. Madesh, M.S. Sethumadhav, K.N. Prakash Narasimha, M. Shankar, D. Nagaraju, B.V. Suresh Kumar, G.S. Gopalakrishna, K.G. Asha Manjari, B. Basavalingu, B. Suresh, M.A. Shankar & L. Mahesh Bilwa, for the encouragement & helps rendered during the period of the research. I am greatful to Dr. Shyamprasad, Mr. Sriram & Gangadhar, Department of Studies in Geology, Prof. Hosmani, Mahajana’s College, Mysore and Dr. Mahadevan, Kuvempu University, Shankaraghatta is gratefully acknowledged.

My heartfelt thanks to my dearest friend Dr. V.K. Brijesh, Asst. Professor, Department of Geology, Kerala, Dr. S.S. Vittal, Hydrogeologist, CGWB, Bangalore, Dr. Siamak Gholami, Iran, Sri. Nagesh, Geologist, Mines & Geology, Govt. of Karnataka, Mr. Vasuki, S Research Scholar, Department of Earth Science & Mr. Somashekar, K.N for their valuable support in computing the data using GIS & RS technology.

The encouragement & Cooperation by the Research Scholars & staff of department of Environmental Science, Earth Science, Educational Multimedia Research Centre (EMRC), Environmental Science Graduates Association (ESGA) & University of Mysore, are gratefully acknowledged.
I am thankful to (Dr) V. Thirumurugan and his family for the hospitality, given during my stay at Salem.

I wish to place on record to their gratitude towards (Dr) V. Thirumurugan, (Dr) V.S. Sridharan, Prof. Manivanan, (Dr) Jayabal, Dr. Thirukumaran, Dr. Vijaykumar, Govt. Arts College, Salem, Prof. Perumal, Department of Biotechnology, Dr. Venkateswaran, Periyar University, Salem. Dr.P.Santhanam, Department of Marine Sciences, Baharathidasan University, Tiruchirapalli.

My sincere thanks are due to Mrs. Geetha, B.P. Deputy Environmental Officer, KSPCB, Mysore. Prof. Ramachandra, Centre for Ecological Studies (CES), IISc, Bangalore, Prof. A.L. Ramanathan, School of Environmental Science, Jawaharlal Nehru University, New Delhi, Prof. Vinodha Rao, Department of Geology, Andhra University, Vizag. Prof. S. Balasubramanian, Department of Environmental Management & Biotechnology, Bharathiar University, Coimbatore, Faculties of Department of Geography, Madras University, Prof. Lawrence, Presidency College, Chennai, Prof. Balakrishnan, Science faculty Dean, Prof. M.S. Pandian, HOD, Department of Earth Sciences, Prof. Pramod Singh, Department of Earth Sciences, Faculties of Electronic Media Centre, Pondicherry University, Puducherry. Director & staff members of the KSRSAC, Bangalore. Department of Mines & Geology, Government of Karnataka, India & Karnataka State Irrigation Department, Mysore.

I have availed the facilities from the libraries of University of Mysore, National Center for Science Information, Bangalore, Indian Institute of Sciences,
Bangalore, ICFRE (Indian Council of Forestry, Research & Education), Dehradun, JNU (Jawaharlal Nehru University), New Delhi, NIO (National Institute of Oceanography), Goa, Periyar University, Salem, Bharathiar University, Coimbatore, Andhra University, Vishakapatnam, Madras University, Chennai, Pondicherry University, Puducherry, & Kuvempu University, Shimoga. I am thankful to all the staff members of these libraries for their help & related websites ProQuest, Sciencedirect, Google, Wikipedia, Taal2007 (World Lake Committee), 12th World Lake Conference, Jaipur, India & Lake2006, Lake2008, Indian Institute of Sciences (IISc), Bangalore for providing vast information on lakes.

My heartfelt thanks to Smt. Indira Balasubramanian, Mr. B. Shivaramakrishnan & Mr. B. Gurumurthy for their help, encouragement & support throughout the study are gratefully acknowledged.

My special thanks to the dearest friends Dr. N.R. Rajendra Prasad, Asst. Regional Director, IGNOU, Dehradun, Mr. Dharm, Environmental Specialist, Sujala Water shed Management, Mr. Ganesh, SAP Consultant, ICCG software company, Gurgaon, Mr. K.L. Harsha, Executive GIS specialist, Rolta India Ltd. Mumbai, Dr. H.B.Ravikumar, Asst. Professor, Department of Physics, University of Mysore, Dr. V.S. Arun, Department of Chemistry, University of Mysore, Late. Dr. Chakravarthy, Asst. Professor, Department of Botany, Govt. Science College, Bangalore, Dr. Maruthi, Head, Department of Biotechnology, SDM college, Ujjire, Dr. Meena Kumari, Dr. Niranjan, PDF & Dr. J. Mahadev, PDF, University of Mysore.
I have no words to express my gratitude towards my parents, sisters Smt. Yashoda Balakrishna, Smt. Kamala Krishnappa, Smt. Bhagya Basavaraj, Smt. Saroja Rajanna, Brother & his family Sri. K. Shankar, Branch Manager, Canara Bank & my wife Smt. Priyanka Mahesh & lovely son Master Dhuvin M. Kalasaiah on being my side when I needed them the most and for being responsible for what I am today.

My special thanks to Mr. Kiran Das, B. Arun Das, Mr. Naveen Kumar, G, Mr. Ramesh, Miss. Priyadarshini and family.

At last but not least it would be unfair on my part if I failed to express my sincere thanks to all those who have directly or indirectly helped me throughout the work.

Above all, I am highly grateful to the Almighty for everything.

MAHESHA