CURRICULUM VITAE OF PROFESSOR LALITH RAJAPAKSE

1.0 PRESENT AFFILIATION : - Professor in Civil Engineeering/

Hydraulic and Water Resources

Engineering Division

- Centre Chairman (UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM)),

Course Coordinator (M.Sc. in WREM)
 Department of Civil Engineering,
 University of Moratuwa,

Moratuwa 10400, Sri Lanka.

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2.0 PROPOSED POSITIONS : Hydrologist/ Environmental Hydrologist/

Hydrological Modeller

3.0 EXPERTISE AREA : Surface and Groundwater Hydrology,

Watershed & Water Resources

Management, Hydrological Modelling, Flood/Inundation/Drainage Analyses, Ecological Modelling, Sediment Transport/Erosion Modelling, Stream Flow Analyses, Basin-wide Nonpoint-

source Pollution Management

1.0 NAME OF STAFF : Professor Rajapakse Liyanage Hementha

Lalith Rajapakse

5.0 DATE OF BIRTH : 13.07.1970

6.0 NATIONALITY : Sri Lankan

7.0 ACADEMIC QUALIFICATIONS :

| Educational Qualification | Place | Period |
|---|--|-------------|
| Primary Education | Nalanda Central College, Minuwangoda, Sri Lanka | 1976 - 1981 |
| Secondary Education | Ananda College, Colombo 10, Sri Lanka | 1982 - 1989 |
| B.Sc. in Civil Engineering (First Class Honours) | University of Moratuwa, Sri Lanka | 1992 - 1996 |
| M.Sc. in Civil & Environmental Engineering (Hydroscience & Geotechnology) | Saitama University, Japan | 1997 - 1999 |
| Ph.D. in Environmental Science & Technology (Environmental Hydraulics/Ecological Engineering) | Saitama University, Japan | 2002 - 2005 |

8.0 RECOGNISED TRAINING

- International Webinar Workshop on GeoHECRAS Breakthrough HEC-RAS Modeling Software Training Webinar held on 08th April 2020 at UNESCO Madanjeet Singh Center for South Asia Water Management (UMCSAWM), Department of Civil Engineering, University of Moratuwa, Sri Lanka, Conducted by CivilGEO Inc., USA.
- International Workshop on Advancements in Numerical Modelling using MIKE Software DHI-UMCSAWM Training Workshop held on 07th and 08th March 2018 at UNESCO Madanjeet Singh Center for South Asia Water Management (UMCSAWM), Department of Civil Engineering, University of Moratuwa, Sri Lanka.
- International Workshop on International River Interface Cooperative (iRIC) Water Systems Modelling focusing on Modeling River Flow and Morphodynamics within the iRIC Interface, USGS UMCSAWM Training Workshop held on 01st and 02nd September 2016 at UNESCO Madanjeet Singh Center for South Asia Water Management (UMCSAWM), Department of Civil Engineering, University of Moratuwa, Sri Lanka.
- International Workshop/Short Course Watershed Modeling using MIKE SHE/ MIKE 11 by Danish Hydraulic Institute (DHI) organized in parallel with the 8th International Perspective on Water Resources and the Environment (IPWE) Conference at the Cinnamon Grand Hotel, January $4^{th} \sim 6^{th}$, 2016, Colombo, Sri Lanka.
- International Workshop on Uncertainty Quantification in Climate Modelling and Projection, International Union of Geodesy and Geophysics, ICTP International Centre for Theoretical Physics, 13 July 2015 17 July 2015, Trieste Italy.
- International Workshop and Training Programme on Urban Rainwater Harvesting and Decentralised Wastewater Systems, Co-organized by Centre for Environmental Studies, India/ Lanka Rain Water Harvesting Forum, December 10-13, 2013, Kandy.
- International Workshop on Non-point Source Pollutant Management in Agricultural Watersheds organized by Korea Rural Community Corporation and INWEPF (International Network for Water & Ecosystem in Paddy Fields), Seoul-Korea (Oct , 2009).
- Asia Pacific Water Forum (APWF) Water Knowledge-Hub Workshop on Water Quality Management in River Basins conducted by Asian Development Bank-Global Water Partnership (ADB-GWP) Program, Seoul, Korea (August, 2009).
- Workshop on Citarum Water Resources Management Investment Program, Indonesia by Asian Development Bank-Global Water Partnership (ADB-GWP) and K-Water (Korea Water Resources Corporation), Seoul, Korea (August, 2009).
- World City Water Forum (WCWF) Workshop on Basin Water Resources Management and Basin Water Quality and Ecology, Inchon, Korea (August, 2009).
- Certification course in Microsoft Access 2000/ Microsoft Advanced Access 2000 Database Management and SQL (Structured Query Language) Programming by the Infomatics International, Singapore (February/April, 2002).
- Certification course in Project Planning, Scheduling and Management using Primavera Project Planner (P3.0) by the Training Department, Primavera Systems Inc., Singapore (February, 2001).
- Technical Workshop on Mass-scale Water Desalination: Plant Operation, Maintenance and Water Quality Management by AquaGen (Nanyang Technological University, Singapore), Singapore (February, 2000).
- Training Worksop on Groundwater Modelling, Hydroscience and Geotechnology Laboratory, Saitama University, Japan (September 1,999).
- Short Course on Structural Design of High-Rise Buildings conducted by the Buildings and Structural Engineering Division, Department of Civil Engineering, University of Moratuwa, Sri Lanka (November, 1996).

9.0 PROFESSIONAL QUALIFICATIONS

- Corporate Member, Institution of Engineers, Sri Lanka (CEng., MIE-SL)
- Member, International Water Association (IWA)
- Member, The Intl Association for Hydro-Environment Eng and Research (IAHR)
- Associate Member, Japanese Society of Civil Engineers (JSCE/2005~2009)
- Member, Japan Society on Water Environment (JSWE/2007~2009)
- Member, Japan Society of Hydrology and Water Resources (JSHWR/2007~2009)

10.0 EMPLOYMENT RECORD

- Professor in Civil Engineering, Hydraulic and Water Resources Engineering Division, Department of Civil Engineering, University of Moratuwa.
 - Professor in Civil Engineering, Dept. of Civil Eng. (December, 2019 to date)
 - Director/Centre Chairman (UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM) (March, 2018 to date)
 - Senior Lecturer (Grade II) (September, 2010 December, 2019)
 - Senior Lecturer (Contract) (February, 2010 August, 2010)
- Specialist Researcher cum Adjunct Lecturer cum ADB RETA 7276/Team Member (December 2007 December 2009).
 - International Centre for Water Hazard and Risk Management (UNESCO-ICHARM) under the auspices of UNESCO, Public Works Research Institute (PWRI), Japan.
 - Disaster Management Policy Program (Masters Program at ICHARM), the National Graduate Institute for Policy Studies (GRIPS), Tokyo.
 - Asian Development Bank (ADB) Regional Technical Assistance (RETA) 7276: Supporting Investment in Water-Related Disaster Management (targeting Lower Mekong, Indonesia, Bangladesh, India).
- Japan Society for the Promotion of Science (JSPS) Postdoctoral Research Fellow (April, 2006 November, 2007).
 - Ecological Engineering Laboratory, Department of Environmental Science & Technology, Saitama University, Japan.
- Invited Researcher at Ecological Engineering Laboratory, Saitama University cum WQ Testing/Sampling Engineer (October, 2005 March, 2006)
 - Ecological Engineering Lab, Department of Environmental Science & Technology, Saitama University, Japan.
 - Environmental Testing Centre Ltd., Omiya City, Japan.
- Planning Engineer for Jan De Nul (Belgian company) (January 2001 September 2002)
 - Planning & Production Unit, TOA-JAN DE NUL Joint Venture, Ubin & Tekon Island Recl. Project, Singapore (Over 1.0 bil. US\$, 6-year project).
- Research Engineer (December 1999 December 2000)
 - High Performance Concrete Research Laboratory (HPCRL), International Water Infrastructure Program (WIP), Department of Civil Engineering, National University of Singapore (NUS), Singapore (funding over 20 million SG\$; 2-year project).

10.1 MAJOR RESPONSIBILITIES HELD

- Professor in Civil Engineering (University of Moratuwa, Sri Lanka) Provision of effective teaching, related administration duties and the promotion and engaging in research and scholastic activities appropriate to the effective performance of my academic duties including lecturing, tutoring, examining, and laboratory supervision. Routinely give academic supervision and instruction, carry out examination work, and perform administrative tasks and other duties. While rendering my full-time services to University of Moratuwa, Sri Lanka as a lecturer in Hydraulic Engineering, I am also involved in tutoring students at several other higher educational institutes in Sri Lanka such as General Sir John Kotelawala Defence University (KDU), in the past at International College of Business and Technology (ICBT), South Asian Institute of Technology and Management (SAITM) and presently taking part in various consultancy activities through Uni-Consultancy Services (UNIC, University of Moratuwa) and in my individual capacity (over and above my normal work-load at the University of Moratuwa).
- Director UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM), March 2018 to date.
- Course Coordinator/Selections Panel member (Local/International) for the M. Eng./
 P.G. Diploma in Water Resources Engineering and Management, UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM) which is the first-ever fulltime International Masters program in the Sri Lankan university system, Department of Civil Engineering, University of Moratuwa (2012 to date)
- Departmental Coordinator for the Construction Phase of UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM) funded by South Asia Foundation (SAF), India (2010 2013)
- Departmental Coordinator/Committee Member for the Washington Accord (International Engineering Alliance), Institution of Civil Engineers (ICE/Engineering Council -UK), and The Institution of Engineers Sri Lanka (IESL) accreditation procedures for the B.Sc. Engineering (Hons.) Degree (2010 to date)
- Member/ Departmental Development Committee, Department of Civil Engineering, University of Moratuwa (2011 to date)
- Member/ Undergraduate Curriculum Development Committee, Department of Civil Engineering, University of Moratuwa (2011 to date)
- Representative Member of the IESL (Institution of Engineers, Sri Lanka) Civil Engineering Sub Committee for the new course curriculum development activities of the IESL Engineering Course (2011 2012)
- Specialist Researcher (UNESCO-ICHARM) Major responsibilities included further improving a large scale watershed model targeting basin-wide hydrologic & material cycle modelling for Integrated Water Resources Management (IWRM), research on inundation modelling and disaster risk reduction, field experimentation, data collection and evaluation of land-use effects on river water quality, GIS applications in water management etc. In addition, I served as a resource person for various ADB, JICA and World Bank/UNESCO funded training programs hosted by ICHARM, including Flood Hazard Mapping Training, Comprehensive Tsunami Disaster Prevention Training and Local Emergency Operation Plan with Flood Hazard Map Training. It was a challenge to take part in training programs for the

- senior executives and trainers who have extensive field experience in their disciplines, mainly high ranking government officials with long term civil engineering and administrative backgrounds. I visited China, Korea, Australia and Singapore, representing ICHARM at various occasions and participating in research seminars as a presenter and resource person.
- Adjunct Lecturer (National Graduate Institute for Policy Studies (GRIPS), Tokyo, attached to the Graduate Disaster Management Policy Program, the Masters program at the International Centre for Water Hazard and Risk Management (UNESCO-ICHARM, Japan), teaching subjects and conducting practical classes to the international postgraduates, many of whom were senior and mid-career level engineers holding reputable managerial and administrative posts at various Civil Engineering related governmental organizations, especially from East- and South-Asian, African and South American countries. The main areas of research guidance included hydrology, watershed planning and management, advanced computer programming (FORTRAN/Visual Basic), watershed, water quality and quantity modelling, disaster mitigation and planning etc. In addition, I organized numerous field visits for students and also supervised the Master's research works of three students, two from Bangladesh and another from China, focusing on issues related to ungauged river basin management, flood and inundation modelling and water quality degradation.
- Post-doctoral Research Fellow (Japan Society for the Promotion of Science –JSPS, Ecological Engineering Lab, Department of Environmental Science & Technology, Saitama University, Japan) The research focus was on the "Use of Biological Methods for Sustainable Management and Restoration of Wetland and Lake Ecosystems". In addition, field experimentation and laboratory tests were undertaken to study the effects of spates of different magnitudes on aquatic vegetations on a sandbar of a frequently disturbed river in Japan and fine sediment retention as affected by annual shoot collapse to understand the role of plants as ecosystem engineers in lowland streams. Main duties included management of funds and laboratory facilities, coordination of external authorities for scheduling field experiments and lab tests, guiding and tutoring undergrad/postgraduate students, etc.
- Senior Lecturer conducting practicals, experiments, research projects for postgraduate students, Project Supervisor of Research Projects for undergraduate students, performing administration duties and projects assigned by the department; participating in various committees and administrative assignments; participating in faculty development programmes, etc.
- Co-ordinator, EXMO2010 Faculty-wide University Exhibition, Hydraulic and Water Resources Engineering Division, University of Moratuwa.
- Overall coordinator from the Ecological Engineering Division, Saitama University, Japan, for the research collaboration with The University of Newcastle & University of Canberra, Australia. Overall planning for research, logistic and funding arrangements, monitoring progress, extensive field visits for data collection and field verification at sites in Australia and Japan for the Lake Ecology and Wetland Management Program (2002 2007; ~60.0 Mil. JPY).

10.2 OTHER RESPONSIBLE EXPERIENCE

- Moderator & Marking Examiner (Representing Hydraulics/Fluid Mechanics groups), Institution Engineers Sri Lanka and City & Guilds (2010-2013).
- Coordinator, Exhibition Committee, Hydraulic Division, Department of Civil Engineering, University of Moratuwa (2010)
- Organizing Committee Member of Sri Lanka Students' Association in Japan (SLSAJ) Annual Research Session/Publication (2002-2007)
- Executive Committee Sri Lanka Students' Association in Japan (1997/99 & 2002/05)
- Organizing Committee Member for SLSAJ Tsunami Fund Raising (Raised 2.5M Rs.) (2004)
- President, Civil Engineering Society University of Moratuwa (1995/96)

11.0 CONSULTANCY WORK UNDERTAKEN (PAST 5 YEARS):

| 1). Project Name | Consultancy Services for Environmental Impact Assessment (EIA) for the Rehabilitation and Augmentation of Embilipitiya Paper Mill | | | |
|---|--|---|--|--|
| Project Country | Sri Lanka Duration 2020 January – to date | | | |
| Employer | University of Moratu | University of Moratuwa/UNIC, Department of Chemical Engineering | | |
| Source of fund | KSPA Embilipitiya Paper Mills (Pvt) Ltd. | | | |
| Position Held | Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Identification of existing condition of the drainage system and measures for rehabilitation/redesign, Preparation of Drainage Management Master Plan, Hydrological design of Channels and outlets, Design of rainwater harvesting system, drainage discharge/irrigation system with further recommendations | | | |

| 2). Project Name | Consultancy Services for Conducting Detailed Investigations for Establishing Flood Mitigation Measures in Addu City, Maldives | | |
|---|--|--|--|
| Project Country | Maldives Duration 2019 October – to date | | |
| Employer | Ministry of Environment and Energy, Republic of Maldives, Epoch Consultants Pvt Ltd, Maldives and LHI, Sri Lanka | | |
| Source of fund | Maldivian Government and Addu City Council | | |
| Position Held | Team Leader/Senior Hydrologist | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge locations and volumes, Identification of retention/detention & existing/required study, Hydrological design of Channels and outlets, Design and installation of Groundwater recharge pits with further recommendations | | |

| | Consultancy Services for Groundwater Resource Management and |
|------------------|---|
| 3). Project Name | Aquifer Protection in Maldives (GCF Project): Baseline Assessment for |
| | Groundwater Resource Management and Aquifer Protection in Maldives |

| Project Country | Maldives | Duration | 2019 October – to date | |
|---|---|-----------------------------------|------------------------|--|
| Employer | Ministry of Environment and Energy, Republic of Maldives, Water Solutions Consultants Pvt Ltd, Maldives and LHI, Sri Lanka | | | |
| Source of fund | UNDP Funded Green | UNDP Funded Green Climate Project | | |
| Position Held | Team Leader/Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Undertake baseline assessment to establish the current status and catchment characterization, Develop Groundwater resources management plan for improved aquifer recharge and protection with clear action plan, Development a Groundwater monitoring framework with monitoring protocols, institutional roles and responsibilities for its implementation with on the job training and technology transfer component, Make relevant recommendations. | | | |

| 4). Project Name | Feasibility Study to Reduce the Traffic Delay on Peliyagoda-Puttalam (A003) Road within Kochchikade Town Area | | | |
|---|--|-----------------|--|--|
| Project Country | Sri Lanka Duration 2019 April – to date | | | |
| Employer | EML Consultants | EML Consultants | | |
| Source of fund | Road Development Authority | | | |
| Position Held | Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge locations and volumes, Identification of retention/detention & existing/required study, Hydrological design of Channels and outlets, Design and installation of Groundwater recharge pits with further recommendations | | | |

| 5). Project Name | Preparation of Detailed Design for proposed Salinity Barrier at Ambathale in Kelani River | | | | |
|---|---|--|-------|--|--|
| Project Country | Sri Lanka | Sri Lanka Duration 2019 August – to date | | | |
| Employer | Climate Resilience In | nprovement Project (| CRIP) | | |
| Source of fund | The Ministry of Agriculture, livestock Development, Irrigation and Fisheries and Aquatic Resource Development | | | | |
| Position Held | Team Leader cum Senior Hydrologist/Modeller | | | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge and design of alternative gate types, High flow/ Low flow studies for operational conditions, Flow level modelling, Sedimentation erosion studies, Head loss modelling using CFD, Overall Water Resources assessment. | | | | |

| 6). Project Name | Hydrological Study for Identification of Flood Impact due to Proposed Weir Site at Bambakiriella Intake | | |
|------------------|--|--|--|
| Project Country | Sri Lanka Duration 2019 March – 2019 August | | |
| Employer | Central Engineering Consultancy Bureau (CECB) | | |
| Source of fund | National Water Supply and Drainage Board (NWSDB) | | |
| Position Held | Hydrologist | | |

| Responsibilities/ Assignments performed | Design of submerged weir and water intake for Greater Matale Water Supply Scheme (Rattota intake across Maha Oya), Evaluating alternative locations and designs based on field data and hydrological analyses to identify the feasibility and environmental impacts of the proposed weir and intake, Identifying the feasibility of the proposed weir and extraction rates based on peak flows for flood analysis and low flows for environmental flow analysis, Flood analysis based on 1-D/2-D/3-D hydrologic/ hydraulic modelling, Introducing migratory measures or design/construction alternatives to minimise impacts due to wire/ intake. Weir design for flood mitigation. |
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| 7). Project Name | Feasibility Study & EIA for the Proposed Mahaweli Left Bank Lower Basin Development Project (Kinniya & Kantale Areas) with Rs.6, 250 Million | | |
|---|---|--|--|
| Project Country | Sri Lanka Duration 2018 February – 2018 December | | |
| Employer | Irrigation Department/EML Consultants | | |
| Source of fund | World Bank (WB) | | |
| Position Held | Senior Hydrologist | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Water Resources, Design Peak Discharge locations and volumes, Reservoir operational study & Irrigation demand study, Review of hydrological designs of spillway/primary & sub-canal system, Catchment protection measures. | | |

| 8). Project Name | Preparation of Master Plan for the Yala (Palatupana) Wild Tourism Zone | | |
|---|--|---------------|---------------------------------|
| Project Country | Sri Lanka | Duration | 2018 March – 2018 October |
| Employer | Ministry of Tourism | Development a | and Christian Religious Affairs |
| Source of fund | Tourism Development Authority | | |
| Position Held | Hydrologist/Civil Engineer | | |
| Responsibilities/ Assignments performed | Preparation of a Master Plan for the Yala Tourism Development Zone, targeting Signature Wildlife Tourism Zone conserving serenity of the wilderness and promoting project area as a leading tourism attraction in Asia. Addressing hydrological, drainage and sustainability Concerns for the project development and operation. | | |

| 9). Project Name | Feasibility Study for New Access Roads from Kottawa to Tech-City Project in Mahenwatta | | |
|------------------|---|--|--|
| Project Country | Sri Lanka Duration 2018 September – 2019 August | | |
| Employer | Central Engineering Consultancy Burau (CECB) | | |
| Source of fund | Ministry of Megapolis & Western Development/RDA | | |
| Position Held | Hydrologist | | |

| Responsibilities/ Assignments performed | Evaluating alternative traces and design proposals based on field data and hydrological analyses to identify the existing drainage patterns and flow connectivity, Identifying the feasibility of the proposed alternatives and evaluate hydrological impacts due to proposed project activities, Introducing migratory measures or Design/construction alternatives to avoid/minimise impacts. |
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| 10). Project Na | Hydrological Assessments for the Rehabilitation Ethiliwewa Tank in Telulla, Moneragala | | |
|---|---|----------|----------------------------|
| Project Country | Sri Lanka | Duration | 2018 August – 2019 January |
| Employer | Agrarian Services De | partment | |
| Source of fund | The Ministry of Agriculture, livestock Development, Irrigation and Fisheries and Aquatic Resources Development | | |
| Position Held | Senior Hydrologist | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge locations and volumes, Reservoir operational study & Irrigation demand study, Hydrological design of spillway/primary, Water Resources assessment | | |

| 11). Project Name | Preparation of Master Plan for Storm Water Drainage System of Jaffna City and Preparation of Priority Investment Plan | | | |
|---|--|--|-----------------------|--|
| Project Country | Sri Lanka | Duration | 2018 August – Ongoing | |
| Employer | EML Consultants/ M | EML Consultants/ Ministry of Megapolis & Western Development | | |
| Source of fund | World Bank Funded Strategic Cities Development Project | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Hydrological modelling and assessment, Estimation of Peak Discharge locations and volumes, Interaction with groundwater hydrology and Tidal Dynamics of the lagoon environs, Hydrological design of associated infrastructure and sub-canal system | | | |

| 12). Project Name | Integrated Water Supply Project | | | |
|-------------------|--|--|--|--|
| Project Country | Sri Lanka Duration 2018 May – 2019 August | | | |
| Employer | VA TECH WABAG Limited, India | | | |
| Source of fund | National Water Supply and Drainage Board (NWSDB) | | | |
| Position Held | Senior Hydrologist | | | |

| Responsibilities/ Assignments performed | Design of 100-m submerged weir for Polgahawela Intake, Evaluating alternative locations and design proposals based on field data and hydrological analyses to identify the feasibility and environmental impacts of the proposed weir and intake, Identifying the feasibility of the proposed weir and extraction rates based on peak flows for flood analysis and low flows for environmental flow analysis, Flood analysis based on 1-D/2-D/3-D hydrologic/ hydraulic modelling, Introducing mitigatory measures or design/construction alternatives to avoid/minimise impacts due to wire/ intake. Weir design for flood mitigation. |
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|---|---|

| 13). Project Name | Preparation of Master Plan for the Developments and Conservation of Negombo Lagoon and Surrounding Environments | | | |
|---|--|-----------------------|---------|--|
| Project Country | Sri Lanka Duration 2018 June – Ongoing | | | |
| Employer | Faculty of Architect | ure Project Consultan | cy Unit | |
| Source of fund | The Ministry of Finance/ Ministry Of Fisheries and Aquatic Resources Development | | | |
| Position Held | Hydrologist/Hydrological Modeller | | | |
| Responsibilities/ Assignments performed | Hydrological modelling and assessment of coastal floodplains, Estimation of Peak Discharge locations and volumes, Interaction with groundwater hydrology and tidal dynamics of the lagoon environs, Hydrological design of associated infrastructure and sub- canal system, Inputs for the IEE Report, Negombo Lagoon Master Plan and Formulation and Design of Strategic Action Projects. | | | |

| 14). Project Name | Consultancy Services for Identifying Possible Impacts of Colombo Port City Land Reclamation on Groundwater Hydrogeology in Metro-Colombo Area | | | |
|---|---|--|--|--|
| Project Country | Sri Lanka Duration 2018 May – 2019 March | | | |
| Employer | China Harbor Engineering Company Ltd | | | |
| Source of fund | China Harbor Engineering Company Ltd. | | | |
| Position Held | Team Leader/Senior Groundwater Hydrologist/Modller | | | |
| Responsibilities/ Assignments performed | Phase I: Literature Support and Initial Recommendations Phase II: 2-D and 3-D Groundwater Modelling for Long-term Impact Analysis; Phase III: Verification of Model Results, Analysis of Field Data and Recommendations | | | |

| 15). Project Name | Initial Environmental Examination Report (IEE) for The Proposed Towns East Polonnaruwa Water Supply Project | | | |
|-------------------|--|--|--|--|
| Project Country | Sri Lanka Duration 2018 May – 2018 August | | | |
| Employer | China Harbor Engineering Company Ltd | | | |
| Source of fund | National Water Supply and Drainage Board (NWSDB) | | | |
| Position Held | Hydrologist | | | |

| | Evaluating alternative locations and design proposals based on field data and hydrological analyses to identify the feasibility and |
|-------------------|---|
| Responsibilities/ | environmental impacts of the proposed intake, Identifying the |
| Assignments | feasibility of the proposed weir and extraction rates based on peak |
| performed | flows for flood analysis and low flows for environmental flow |
| | analysis, Introducing mitigatory measures or design/construction |
| | Alternatives to avoid/minimise impacts due to weir/ intake. |

| 16). Project Name | Hydrological Consultancy Service for Metro Colombo Solid Waste Management Project (MCSWMP) | | |
|---|---|-----------------|-----------------------------|
| Project Country | Sri Lanka | Duration | 2018 January – 2019 January |
| Employer | China Harbor Engine | ering Company I | Ltd |
| Source of fund | China Harbor Engineering Company Ltd. | | |
| Position Held | Team Leader/Senior Groundwater Hydrologist/Modller | | |
| Responsibilities/ Assignments performed | Hydrological Studies for the Kelaniya Transfer Station (KTS) and Drainage and Hydrogeological Study Report for Aruwakkalu Transfer Station (ATS) and Aruwakkalu Sanitary Landfill (ASL) including Groundwater Modelling for Long- term Impact Analysis, Verification of Model Results, Analysis of Field Data and Recommendations | | |

| 17). Project Name | Feasibility Study for Marine Drive Extension from Dehiwala Station Road to Panadura | | |
|---|--|---------------------|-----------------------|
| Project Country | Sri Lanka | Duration | 2017 June – 2018 June |
| Employer | EML Consultants/ Ro | oad Development Aut | hority |
| Source of fund | Road Development Authority (RDA) | | |
| Position Held | Hydrologist | | |
| Responsibilities/ Assignments performed | Data collection and conducting a detailed hydrologic study on the existing drainage patterns and flow connectivity to identify the feasibility of the proposed alternatives and evaluate hydrological impacts due to proposed project activities, Introducing mitigatory measures or Design/construction alternatives to minimise impacts. | | |

| 18). Project Name | EIA Study for the Rehabilitation of Medirigiriya – Kantalei Road through a Wild Life Protected Area proposed to be developed under the Moragahakanda - Kaluganga Development Project | | |
|---|---|----------|---------------------------|
| Project Country | Sri Lanka | Duration | 2017 August – 2018 August |
| Employer | EML Consultants/ Road Development Authority | | |
| Source of fund | Road Development Authority (RDA) | | |
| Position Held | Team Leader/Senior Hydrologist | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain Modelling for impact assessment, Estimation of peak discharge locations and volumes, detailed drainage design Hydrological design of culverts/bridges/cross- & toe drains | | |

| 19). Project Name | Climate Resilience Improvement Project (CRIP) – Proposed Bridge at Thalwila Estuary on Nainamadama Iranawila – Chilaw (B640) Road | | | |
|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2018 January – 2019 January | | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. | | | |
| Source of fund | Road Development Authority (RDA) | | | |
| Position Held | Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, Estuaribne and coastal floodplain analysis, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 20). Project Name | Climate Resilience Improvement Project (CRIP) – Proposed Bridge at Thalwila Estuary on Nainamadama Iranawila – Chilaw (B640) Road | | | | |
|---|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2017 March – 2017 July | | | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. | | | | |
| Source of fund | Road Development Authority (RDA) | | | | |
| Position Held | Senior Hydrologist | | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | | |

| 21). Project Name | Climate Resilience Improvement Project (CRIP) - Proposed Bridge at Proposed Bridge after Udappuwa Town on Batthulu Oya-Udappuwa-Andimuni Road (B614) | | | |
|---|---|--|--|--|
| Project Country | Sri Lanka Duration 2018 January – 2019 January | | | |
| Employer | EML Consultants Ltd. | | | |
| Source of fund | Road Development Authority (RDA) | | | |
| Position Held | Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, Coastal floodplain and estuarine analysis, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 22). Project Name | Climate Resilience Improvement Project (CRIP) - Proposed Bridge at Proposed Bridge after Udappuwa Town on Batthulu Oya-Udappuwa- Andimuni Road (B614) | | | |
|-------------------|---|--|--|--|
| Project Country | Sri Lanka Duration 2016 August – Ongoing | | | |
| Employer | Ministry of Fisheries & Aquatic Resources Development | | | |

| Source of fund | Ministry of Fisheries and Aquatic Resources Development Sri Lanka (ADB/World Bank Funded) |
|---|---|
| Position Held | Hydrologist |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge locations and volumes, Hydrology and Tidal Dynamics of the lagoon environs, Hydrological design of Associated infrastructure & sub-canal system |

| 23). Project Name | Consultancy Services for the Construction of weir across Deduruoya for Greater Kurunegala Water Supply and Sewerage Proiect | | | |
|---|--|----------------|-------------|--|
| Project Country | Sri Lanka Duration 2015 November – 2016 October | | | |
| Employer | Central Engineering (| Consultancy Bu | ırau (CECB) | |
| Source of fund | National Water Supply and Drainage Board (NWSDB) | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Evaluating alternative locations and design proposals based on field data and hydrological analyses to identify the feasibility and environmental impacts of the proposed weir and intake, Identifying the feasibility of the proposed weir and extraction rates based on peak flows for flood analysis and low flows for environmental flow analysis, Flood analysis based on 1-D/2-D/3-D hydrologic/hydraulic modelling, Introducing mitigatory measures or design/construction alternatives to minimise impacts due to 120-m wier/intake. Weir design for flood mitigation. | | | |

| 24). Project Name | Master Plan Development for the Ceylon Petroleum Storage Terminals LTD, Sri Lanka; Improvement of Storm Water Drainage and Development of Drainage Plans | | | |
|---|---|---------------|-----------------------|--|
| Project Country | Sri Lanka Duration 2015 October – 2016 October. | | | |
| Employer | Project Management | Unit (PMU), 7 | CCP-Uni. of Moratuwa. | |
| Source of fund | Ceylon Petroleum Sto | orage Termina | ls LTD. (CPSTL) | |
| Position Held | Senior Hydrologist/Civil Engineer | | | |
| Responsibilities/ Assignments performed | Designing a Storm Water Management Project for the premises and the surrounding zones (146 acre area) and preparing a Drainage Master Plan. | | | |
| 25). Project Name | Consulting Services for conducting Initial Environment Examination (IEE) for Construction of Diversion Tunnels & Micro Tunnels with Appurtenant Structures, Metro Colombo Urban Development Project | | | |
| Project Country | Sri Lanka Duration 2015 March – 2016 January | | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. and SLLRDC | | | |
| Source of fund | World Bank & Colombo Municipal Council (CMC) | | | |
| Position Held | Senior Hydrologist | | | |

| | Sivil Bilgineel/1 | Hydrologist/Hydrological Modeller | |
|---|--|--|--|
| Data Collection on existing maximum flow and peak floods, Hydrological assessment targeting tunnelling work in proposed Mutwal/Torrington Tunnel Traces, Drainage/ Hydrological assessment and floodplain modelling especially for tunnelling work in hill slopes, Identification of tunnelling impacts on hydrology and drainage and proposing mitigatory measures. Detailed drainage design, dewatering/diversion guidelines, Hydrological design of culverts/bridges/cross- & toe drains for access roads and hill slopes. | | | |
| Integrated Road Investment Project of the Southern Province (iRoads- Southern/Package G1, M2 & M3: 180 kms) | | | |
| Sri Lanka | Duration | 2015 February – 2016 February | |
| KD Ebert and Sons | Holdings Pvt. | LTD. | |
| | | | |
| Senior Hydrologist | • ` | | |
| Hydrological assessi peak discharge locat | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | |
| | | | |
| Hydrological Study On Implications On Peradeniya Badulla - Chenkaladi Road (A005 Road), Section From Badulla To Chenkaladi (From 132.20 Km To 277.80 Km | | | |
| Sri Lanka Duration 2015 March – 2015 August | | | |
| Master Hellie's Eng | ineering Consu | ıltants Pvt. LTD. | |
| Road development A | Authority (RDA | A) | |
| Senior Hydrologist | | | |
| Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |
| | | | |
| University of Sri Jayawardenapura (USJ) Township Development Programme; Improvement of Storm Water Drainage and Development of Drainage Master Plan | | | |
| Sri Lanka Duration 2015 January – 2015 May | | | |
| Master Hellie's Engineering Consultants Pvt. LTD. | | | |
| University of Sri Jayewardenepura | | | |
| Senior Hydrologist/Civil Engineer | | | |
| Designing a Storm Water Management Project for the university and the surrounding zones identified by the Township Master Plan and assist the university to implement the project, while taking note of the work carried out by local authorities as well as the Sri Lanka Land Reclamation and Development Corporation (SLLRDC) and preparing a Drainage Master Plan. | | | |
| | Data Collection on eleginary of the surrounding cales assess peak discharge locate Hydrological design University of Sri Jay Development Program and Development of Sri Lanka Master Hellie's Engular University of Sri Jay Development of Sri Lanka Master Hellie's Engular University of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university was the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Designing a Storm of the surrounding zone assist the university of Sri Jay Senior Hydrologist/O Design | Data Collection on existing maxim Hydrological assessment targeting Mutwal/Torrington Tunnel Traces, assessment and floodplain modelling in hill slopes, Identification of tunned rainage and proposing mitigatory design, dewatering/diversion guide culverts/bridges/cross- & toe drains Integrated Road Investment Project (iRoads- Southern/Package G1, M2 Sri Lanka Duration KD Ebert and Sons Holdings Pvt. Road Development Authority (RD. Senior Hydrologist Data Collection on existing flow are Hydrological assessment and flood peak discharge locations and volune Hydrological Study On Implication Badulla - Chenkaladi Road (A005 Chenkaladi (From 132.20 Km To 20 Sri Lanka Duration Master Hellie's Engineering Consultation Road development Authority (RDA) Senior Hydrologist Data Collection on existing flow are Hydrological assessment and flood peak discharge locations and volune Hydrological design of culverts/bring Consultation Hydrological design of culverts/bring Consultation Consult | |

| 29). Project Name | Refurbishment of Gaffoor Building at Fort (Rs.1.8 Billion Project) | | |
|---|--|--|--|
| Project Country | Sri Lanka | Duration | 2015 January – 2015 May |
| Employer | Uni-Consultancy Services (UNIC)-University of Moratuwa | | |
| Source of fund | Urban Development Authority (UDA)/GOSL | | |
| Position Held | Water Proofing/Stormwater Drainage Specialist/Consultant | | |
| Responsibilities/ Assignments performed | the basement (BOQ V specifications and gu type water proofing f for the use of hydrophorizontal construction cementitious waterproducements and BOQ guidelines for Testing | Val. of Rs. 22.6 Million idelines for the use of for the proposed basen hilic rubber waterstop on joints and for apply oofing material coating | crystallization admixture nent wall-/slab-concrete, s along all vertical and ving two coats of ag, Preparation of Contract untee, Mode of |

| 30). Project Name | Environmental Impact Study for the proposed Industrial Zone adjacent to the Magam Ruhunupura Mahinda Rajapaksha (MRMR) Port at Hambantota | | | |
|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2013 November – 2014 October | | | |
| Employer | Uni-Consultancy Services (UNIC)-University of Moratuwa | | | |
| Source of fund | Sri Lanka Ports Authority (SLPA) | | | |
| Position Held | Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, Addressing impacts to the coastal floodplain, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 31). Project Name | Inter Divisional Rural and Small Township Development Initiative for North and East Provinces - Preparation of Master Plan for Storm Water Drainage System for Batticaloa Township Area | | | |
|---|---|--|--|--|
| Project Country | Sri Lanka Duration 2013 November – 2014 November | | | |
| Employer | EML Consultants Ltd. | | | |
| Source of fund | Economic Development Ministry/World Bank | | | |
| Position Held | Team Leader cum Senior Hydrologist | | | |
| Responsibilities/ Assignments performed | Preparing Project Proposals and Recommendations for Flood Management and Overall Development Program, extensive field data collection procedures, hydrologic measurements, hydraulic/ hydrologic modelling and scenario analyses for flood protection. | | | |

| | Vital Connectivity Improvement of Puttalam and Kurunegala Districts by Construction of Two Lane Bridge across Daduru Oya at Kadigawa with Access Roads from Ujekale (0+000) and Kadigawa Junctions (3+180) |
|--|--|
|--|--|

| Project Country | Sri Lanka | Duration | 2013 August – 2013 October |
|---|---|----------|----------------------------|
| Employer | Valence Engineering Services (Pvt.) Ltd | | |
| Source of fund | Road Development Authority (RDA) | | |
| Position Held | Senior Hydrologist/Hydrological Modeller | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | |

| 33). Project Name | FDK BOI Project, Katunayake (Rs. 6.4 Million Project) | | | |
|---|---|------------------|----------------|--|
| Project Country | Sri Lanka Duration 2013 October – 2014 May | | | |
| Employer | FDK LANKA (Pvt.) | Ltd., BOI Proces | sing Zone, FTZ | |
| Source of fund | FDK LANKA (Pvt.) | Ltd. | | |
| Position Held | Waterproofing Retrofication Specialist/Consultant | | | |
| Responsibilities/ Assignments performed | Recommendation for Waterproofing Retrofication in 1st Factory Building and Storage Facility, Technical assistance including Condition evaluation, Leakage investigations, Seepage damage assessment, Specification development, Detail drawings, Detailed report to the client, Repair, Sheet Metal Flashing and Waterproofing retrofication recommendations. | | | |

| 34). Project Name | World Bank Assisted Strategic Cities Development Project Environmental Screening Report (SCDPE) for Galle and Kandy Cities – Environmental Screening and Project Appraisal Report | | | |
|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2013 August – 2014 January | | | |
| Employer | Uni-Consultancy Services (UNIC)-University of Moratuwa | | | |
| Source of fund | Ministry of Defence and Urban Development / World Bank | | | |
| Position Held | Hydrologist cum Geotechnical/Civil Engineer | | | |
| Responsibilities/ Assignments performed | Environmental screening for proposed developments for Flooding & drainage issues, Canal & lake water quality issues, Traffic congestion issues, Poor public convenience, Threat to important ecosystems, Data collection and hydrologic, flow and flood/inundation analyses, Detailed report to the client | | | |

| 35). Project Name | Southern Highway Extension Project (Godagama – Andarwewa Section) | | |
|-------------------|---|----------|-----------------------------|
| D : C | / | D (| 2012 A 4 2014 D 1 |
| Project Country | Sri Lanka | Duration | 2013 August – 2014 December |
| Employer | Uni-Consultancy Services (UNIC)-University of Moratuwa | | |
| Source of fund | Road Development Authority (RDA) | | |
| Position Held | Team Leader cum Senior Hydrologist | | |

| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains |
|---|---|
|---|---|

| 36). Project Name | Economic Feasibility Study and Environmental Impact Assessment for Proposed Kelani Valley Rail Line Extension (Horana to Hambantota) | | |
|---|---|----------|-------------------------------|
| Project Country | Sri Lanka | Duration | 2012 November – 2013 December |
| Employer | Transportation Engineering Division, Department | | |
| Source of fund | Ministry of Highways and Transport | | |
| Position Held | Hydrologist/Member of EIA Team | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, Hydrological designs for alternative routes | | |

| 37). Project Name | Environmental Impact Assessment (EIA) Study of the Proposed Hantana Ecotel Hotel, Kandy | | |
|----------------------------------|--|--|--|
| Project Country | Sri Lanka Duration 2013 March – 2013 December | | |
| Employer | Ecotel (Pvt) Ltd, India | | |
| Source of fund | Ecotel (Pvt) Ltd, India | | |
| Position Held | Senior Hydrologist/Hydrological Modeller | | |
| Responsibilities/ Assignments | Drainage/ Hydrological assessment, Detailed drainage design/ Hydrological design of structures for flood protection | | |

| 38). Project Name | Preliminary Hydrological Analyses and Data Collection Surveys for Primary Bridges on National Roads for Recommending Maintenance System of Bridges (46 Selected Bridges) | | | |
|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2013 February – 2013 May | | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. | | | |
| Source of fund | Japan International Cooperation Agency (JICA), Japan Bridge and Structural Institute (JBSI) & Road Development Authority (RDA) | | | |
| Position Held | Senior Hydrologist/Hydrological Modeller | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 20) Project Name | Environmental Impact Assessment (EIA) Study of the Proposed |
|-------------------|--|
| 59). Project Name | Grand Palace 200 Roomed 5 Star Hotel (Project Cost: Rs. 2.2 Bil.), |

| | Gurudeniya, Kandy | | | |
|---|---|------------------------------|---------------------------|--|
| Project Country | Sri Lanka | Duration | 2013 June – 2013 December | |
| Employer | Yoshida Sha (Pvt) Lt | Yoshida Sha (Pvt) Ltd, Japan | | |
| Source of fund | Yoshida Sha (Pvt) Ltd | | | |
| Position Held | Senior Hydrologist/Hydrological Modeller | | | |
| Responsibilities/ Assignments performed | Drainage/ Hydrological assessment, Detailed drainage design/ Hydrological design of structures for flood protection | | | |

| 40). Project Name | Master Plan for The Physical Developments of the Eastern University of Sri Lanka | | |
|---|--|-----------------|----------------------|
| Project Country | Sri Lanka Duration 2012 August – 2013 March | | |
| Employer | Uni-Consultancy Serv | vices (UNIC)-Un | iversity of Moratuwa |
| Source of fund | South Eastern University | | |
| Position Held | Hydrologist/Hydrological Modeller | | |
| Responsibilities/ Assignments performed | Preparing Project Proposals for Flood Management and Overall Development Program, extensive field data collection procedures, hydrologic measurements, hydraulic/ hydrologic modelling and scenario analyses for flood protection | | |

| 41). Project Name | World Bank Assisted Metro Colombo Urban Development Project (MCUDP) - Environmental Screening and Project Appraisal Report | | |
|---|--|----------------|------------------------------|
| Project Country | Sri Lanka | Duration | 2011 December - 2012 January |
| Employer | Uni-Consultancy Ser | vices (UNIC)-U | Jniversity of Moratuwa |
| Source of fund | Colombo Municipal Council (CMC)/ World Bank | | |
| Position Held | Hydrologist cum Geotechnical/Civil Engineer | | |
| Responsibilities/ Assignments performed | Environmental screening for proposed developments for Flooding & drainage issues, Canal & lake water quality issues, Traffic congestion issues, Poor public convenience, Threat to important ecosystems, Data collection and hydrologic, flow and flood/inundation analyses, Detailed report to the client | | |

| 42). Project Name | Hydrological Study: Rehabilitation of 25 km stretch of Mankulam – Vellamkulam Road (B269) | | | |
|---|--|--|--|--|
| Project Country | Sri Lanka Duration 2012 February – 2012 December | | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. | | | |
| Source of fund | Rani Infrastructure Development Ltd./ADB | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 43). Project Name | Sri Lanka Conflict Affected Region Emergency(CARE) Project: Preliminary Hydrological ASSESSMENTS FOR the Rehabilitation of Semmanikulam and other 14 Small/Medium Sized Irrigation Tanks in North & East | | | |
|---|---|--|--|--|
| Project Country | Sri Lanka Duration 2011 December – 2012 August | | | |
| Employer | Irrigation Department | | | |
| Source of fund | Ministry of Economic Development (ADB/JICA Funded) | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Hydrological assessment, Estimation of Peak Discharge locations and volumes, Reservoir operational study & Irrigation demand study, Hydrological design of spillway/primary & sub-canal system | | | |

| 44). Project Name | Hydrological Study: Rehabilitation of 37 km stretch of Paranthan – Pooneryn Road (B357) | | | |
|---|---|---|----------------------------|--|
| Project Country | Sri Lanka | Duration | 2012 January – 2012 August | |
| Employer | Master Hellie's Engir | Master Hellie's Engineering Consultants Pvt. LTD. | | |
| Source of fund | China Harbour Engineering Company Ltd. | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | | |

| 45). Project Name | Auro Resorts (Tangalle) Pvt Ltd, Kahandamodera, Ranna, angalle (124 Rooms) & Proposed Four Star Hotel at Palana, Weligama | | | |
|---|--|--|---------------|--|
| Project Country | Sri Lanka | Duration | 2011 December | |
| Employer | Work Team | | | |
| Source of fund | Auro Resorts (Tangal | Auro Resorts (Tangalle) Pvt Ltd/Weligama Hotel Pvt. Ltd. | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Preliminary assessment of hydrological issues, Environmental status report, Field reconnaissance, field Measurements and preliminary situation assessment, Flow & flood/inundation analyses. | | | |

| 46). Project Name | Initial Environmental Examination (IEE) Study for the Proposed Sites to Develop Inland Container Depots (ICDS) Under ADB Funded Multimodal Transport Project – Hydrological Study Part | | | |
|-------------------|--|--|--|--|
| Project Country | Sri Lanka Duration 2011 November | | | |
| Employer | EML Consultants (Pvt) Ltd. | | | |
| Source of fund | Asian Development Bank (ADB) | | | |
| Position Held | Hydrologist | | | |

| Responsibilities/ | Environmental status report and a preliminary assessment, |
|-------------------|--|
| Assignments | Field Reconnaissance, measurements and preliminary situation |
| performed | assessment, Flow & flood/inundation analyses. |

| 47). Project Name | Development Proposal for the South Eastern University – Technical Study/Hydrological Study Part | | |
|---|--|--------------------|--------------------------|
| Project Country | Sri Lanka | Duration | 2011 August – 2012 March |
| Employer | Uni-Consultancy Ser | vices (UNIC)-Unive | ersity of Moratuwa |
| Source of fund | South Eastern University | | |
| Position Held | Hydrologist/Hydrological Modeller | | |
| Responsibilities/ Assignments performed | Preparing Project Proposals for Flood Management and Overall Development Program, extensive field data collection procedures, hydrologic measurements, hydraulic/ hydrologic modelling and scenario analyses for flood protection. | | |

| 48). Project Name | Initial Environmental Examinations (IEE) for Ensalwatta I/II & Tea Factory (03 MiniHydro Projects), Deniyaya | | | |
|---|--|-------------------|--|--|
| Project Country | Sri Lanka Duration 2011 September – 2012 September | | | |
| Employer | VFORM Consultan | VFORM Consultants | | |
| Source of fund | Free Lanka Power 3 Pvt. LTD. | | | |
| Position Held | Hydrologist | | | |
| Responsibilities/ Assignments performed | Environmental status report and preliminary assessment, Field Reconnaissance, measurements and preliminary situation assessment, Flow & flood/inundation analysis. | | | |

| 49). Project Name | Hydrological Study: Rehabilitation of 122 km stretch of Puttlam – Mannar Road (B379, B403) | | |
|---|---|----------------|------------------------------|
| Project Country | Sri Lanka | Duration | 2011 November – 2013 January |
| Employer | Master Hellie's H | Engineering Co | nsultants Pvt. LTD. |
| Source of fund | China Harbor Engineering Company Ltd. | | |
| Position Held | Hydrologist | | |
| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | |

| 50). Project Name | Hydrological Study: Improvement & Rehabilitation of 27 km Length of Horana-Matugama-Horawala Road (B157) | | |
|-------------------|---|--|--|
| Project Country | Sri Lanka Duration 2011 September – 2012 August | | |
| Employer | Master Hellie's Engineering Consultants Pvt. LTD. | | |
| Source of fund | China Harbor Engineering Company Ltd. | | |
| Position Held | Hydrologist | | |

| Responsibilities/ Assignments performed | Data Collection on existing flow and flood regime, Drainage/ Hydrological assessment and floodplain modelling, Estimation of peak discharge locations and volumes, detailed drainage design, Hydrological design of culverts/bridges/cross- & toe drains | | |
|---|--|--|--|
| 51). Project Name | Gampaha District Water Resources and Sustainable Development Program – Technical Study | | |
| Project Country | Sri Lanka Duration 2010 – 2011 | | |
| Employer | Uni-Consultancy Services, University of Moratuwa | | |
| Source of fund | China Harbour Engineering Company Ltd. | | |
| Position Held | Hydrologist/Hydrological Modeller | | |
| Responsibilities/ Assignments performed | Preparing Project Proposals for Flood Management and Overall Development Investments in Gampaha District which involves extensive field data collection procedures, sectoral need surveys, hydrologic measurements, hydraulic and hydrologic modelling and scenario analyses. | | |
| 52). Project Name | Feasibility for Augmentation of Buttala Monaragala Water Supply Scheme – Hydrological Study | | |
| Project Country | Sri Lanka Duration 2011 August | | |
| Employer | EML Consultants (Pvt) Ltd. | | |
| Source of fund | Besix Sanotec, Belgium | | |
| Position Held | Technical Reviewer/Consultant Hydrologist | | |
| Responsibilities/ Assignments performed | Technical review of study methodology, Review of Hydrological studies/ data acquisition/ hydrologic modelling sequence, Overall assessment of project feasibility & technical/engineering recommendation. | | |
| 53). Project Name | Maha Oya (River) Restoration Project, Kochchikade, North Western Province, Sri Lanka ("Increasing the resilience of coastal and riverine communities to climate change and other threats by conserving the ecosystems of the Maha Oya and associated coastal wetlands in Sri Lanka") | | |
| Project Country | Sri Lanka Duration 2011 August | | |
| Employer | Environmental Foundation Consultants (Pvt) Ltd. (EFL) | | |
| Source of fund | Mangroves for the Future Initiative (MFF) of the International Union for the Conservation Nature (IUCN) | | |
| Position Held | Technical Advisor/Consultant Hydrologist | | |
| Responsibilities/ Assignments performed | Technical review of study methodology, Review of Hydrological studies/ data acquisition/ hydrologic modelling sequence, Overall assessment of project feasibility & technical/engineering recommendation. | | |
| 54). Project Name | Environment Assessment for the Development of the Proposed Final Disposal Facilities at Monrovia Watta, Hikkaduwa/ | | |

| | Keerikkulama, Anuradhapura & Malamulla, Panadura | | |
|---|--|----------------------|-------------|
| Project Country | Sri Lanka | Duration | 2010 – 2011 |
| Employer | Uni-Consultancy | Services, University | of Moratuwa |
| Source of fund | PILISARU Project, Central Environmental Authority (CEA) | | |
| Position Held | Hydrologist/Team Member | | |
| Responsibilities/ Assignments performed | Technical assessment of site conditions/suitability and Issues, Surface runoff/run-on analyses, Flood/inundation modelling, Site drainage assessment & design, Technical report preparation. | | |

(1). Over 30 other overseas/local consultancy projects and EIA studies undertaken prior to 2011 and in between 2011~2018.

12.0 CONTRIBUTION TO RESEARCH

Attached to the Hydraulic and Water Resources Engineering Division, Department of Civil Engineering, University of Moratuwa, I am currently actively involved in academic research in the following main research areas:

 Hydrology; Watershed & Groundwater Management/Modelling; GIS tools in Watershed/Water Resources Management; Integrated Water Resources Management (IWRM); Erosion/Sedimentation Modelling, Issues on Regulated Rivers

Doctoral Degree (Ecological Engineering Laboratory, Saitama University)

- Field experimentation and modelling of growth and morphological traits of aquatic sedges and their adaptations to water depth: A comparative study and implications for river restoration and ecosystem management
- The core research comprised of collaboration with two Australian universities to monitor eco-physiological characteristics of temperate/Mediterranean wetlands, lake and river littoral ecosystems with special reference to species adaptations, followed by modelling (FORTRAN/VBA) of responsive adaptation of wetland species to water depth. Under the sub-themes of the main research envisaged, the role of emergent macrophytes in the nutrient cycling of wetlands (focus was on two wetlands in Goulburn and Albury, NSW, Australia) and interaction between the hydrous sediment layer and submerged macrophytes in Myall Lake, NSW, Australia were also investigated. The research outcomes were found to be useful in developing management implications for wetland littoral zone management as well as for river restoration projects in Japan and elsewhere.
- In addition to the research component, as the Core team leader of the 3-year project, I was responsible for the overall programme development, execution and compilation of results, covering extensive research exchanges among counterparts (Saitama University, Japan and University of Newcastle & University of Canberra, Australia), organizing of seminars, acquiring necessary permits and arranging all logistics and 16 field trips to Australia over the project duration.

Postgraduate Research (Ecological Engineering Laboratory, Saitama University)

- After completion of my PhD studies, I joined the Ecological Engineering Lab, Department of Environmental Science & Technology, Saitama University, Japan as an Invited Researcher and also served as a Water Quality Testing Engineer at the Environmental Testing Laboratories, Japan, my first working experience in highly target-oriented Japanese working environment. My exposure included research and modelling, field water quality sampling and laboratory testing and other teaching and academic tasks.

Master's Degree Research (Hydroscience and Geotech Eng. Lab, Saitama University)

- Groundwater Control and Mitigation of Land Subsidence during Drought Seasons by using Telemetry and Real-time Pumping Optimization in Saitama, Japan.
- The core research focused on the mitigation of land subsidence occurring as a result of unplanned extraction of groundwater from deep subsurface layers in Kanto (Tokyo) Basin during drought seasons. It involved extensive field data collection and monitoring procedures followed by the development of a subsurface flow model with existing pumping-well network and deployment of a telemeter network to monitor and determine water table fluctuations in real time. A parameterized land subsidence sub model was used to predict future subsidence by ground settlement. A dynamic time series modelling technique was introduced to accommodate more recent telemeter data into modelling procedures, and measured water level fluctuation, pumping and land subsidence data were fed into the main simulation-optimization model to determine optimal pumping rates at each subbasing to adequately suppress future land subsidence. Based on the research conducted in collaboration with the Atmosphere and Water Management Bureau of Saitama Prefectural Government, a joint monitoring and management approach was proposed for the basin which had been identified as a critical subsidence prone region.

Following is the list of peer-reviewed publications published in both international and local journals and conferences.

12.1 Peer Reviewed/Refereed Journal Publications

- Kamran, M., Yousaf, W., Rajapakse, R. L. H. L., Kareem Awan, W., Riaz, M., Asif, N. M., Umar, M., and Shah, U. T. (2020) Innovative initiative for effective operation and monitoring using HEC-RAS modelling of Hakra Branch Canal System, Pakistan. Irrig. and Drain., https://doi.org/10.1002/ird.2524.
- Ponnamperuma, N. and L. Rajapakse, "Holistic Behaviour of Urban Pond Systems for Flood Risk Mitigation- A Case Study in Metro Colombo Area," 2020 Moratuwa Engineering Research Conference (MERCon), Moratuwa, Sri Lanka, 2020, pp. 48-53, doi: 10.1109/MERCon50084.2020.9185383.
- Rubyhanusha, P. and L. Rajapakse, "Estimation of Impact of Artificial Groundwater Recharge in Small Islands Using a Numerical Modeling Approach," 2020 Moratuwa Engineering Research Conference (MERCon), Moratuwa, Sri Lanka, 2020, pp. 366-371, doi: 10.1109/MERCon50084.2020.9185243.
- Hendawitharana S.U., Priyasad M.K.D.D., Rajapakse R.L.H.L. (2020) Comparative Study of Spatial and Temporal Variation of Drought Using Remotely Sensed Data A

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12.4 Papers presented at International Workshops

- Rajapakse, H., Inomata, H., & Fukami, K. (2009). Diffuse Source Particulate-matter Pollution Modeling in a Semi-Urbanized Agricultural Basin in Japan using Process-based WEP and an Erosion-transport Model. Proceedings of the 13th International Conference on Diffuse Pollution and Integrated Watershed Management (IWA-DIPCON 2009), pp. 194-195, Seoul, Korea, 12-15 October 2009.
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- <u>Lalith Rajapakse</u>, Takashi Asaeda, & Takeshi Fujino (2007). "Adaptations of *Eleocharis sphacelata* to water regime: Modeling of growth, morpho-ecological traits and decomposition to identify management needs", Proceedings of TAAL 2007: The 12th World Lakes Conference, Jaipur, India, 28 October-2 November 2007.
- Takashi Asaeda, <u>Lalith Rajapakse</u> & Takeshi Fujino (2006). "Modelling of the Resource Allocation of the Above- and Belowground Biomass of *Eleocharis sphacelata*; Emergent Plants in Wetlands and Implications of their Surviving Strategies", Proceedings of ICEM 2006: International Conference on Ecological Modelling, pp., Yamaguchi, Japan, 28 August-01 September, 2006.
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12.5 Theses Submitted

- RAJAPAKSE Hemantha Lalith, "Growth and morphological characteristics of littoral zone sedge species and their adaptations to water depth: A comparative study and implications for river restoration and ecosystem management". A thesis submitted in partial fulfilment of the requirements for the degree of Doctor of Philosophy at the Graduate School of Science and Engineering, Saitama University, Japan (September 2005).
- Rajapakse R. L. H. L., "Groundwater Control and Mitigation of Land Subsidence During Drought Seasons by means of Telemeter Data Transmission System in Saitama, Japan". A thesis submitted in partial fulfilment of the requirements for the degree of Master of Engineering in Civil and Environmental Engineering at the Graduate School of Science and Engineering, Saitama University, Japan (September 1999).
- <u>Rajapakse R. L. H. L.</u>, Hapuarachchi, C. L., Weerasekera, I. R. A., "Buckling of slender piles and lateral reaction of the media". A thesis submitted in partial fulfilment of the requirements for the degree of Bachelor of Science of Engineering in Civil Engineering at University of Moratuwa, Sri Lanka (June 1996).

12.6 Other Academic Achievements

Keynote Lectures, Invited Speeches, Resource Person, etc.

- Rajapakse, R.L.H.L. (2019). Resource Person for 3-Day Training program on Environmental and Social Safeguard for University Non-academic Staff, "Drainage Management Options and Best Management Practices (BMP) for Minimum/Low Impact Development (M/LID) Alternatives", Accelerating Higher Education Expansion and Development Operation April 3 5, 2019, AHEAD Office 4th floor Etisalat Building Rotunda Garden, Colombo- 03.
- Rajapakse, R.L.H.L. (2018). Resource Person for the 2-Day International Workshop on Hydrologic Modelling using HEC-HMS & HEC-RAS, Organized by Water Forum/Library & Publication Committee of Institution of Engineers Sri Lanka (IESL). Section C (Engineering. Architecture. Surveying) of Sri Lanka Association for the Advancement of Science (SLAAS) and Ecosphere Resilience Research Centre, University of Sri Jayewardenepura at the International Water Management Institute, Battaramulla on 15 Oct 2018.

- Rajapakse, R.L.H.L. (2014). Integrated Surface Water and Groundwater Modelling Approach for Flood Mitigation and Sustainable Watershed Management, International Forum for Mathematical Modelling (IFMM 2014), Workshop on Introduction to Modelling in Water Resources. Research & Development Centre for Mathematical Modelling Department of Mathematics University of Colombo; 13th March 2014, Sri Lanka.
- Rajapakse, R.L.H.L. (2014). Impact of Hydrology on Planning of Mitigatory Actions on Flood Control Drainage & Irrigation. Professional Development Training Program on Implementation, Operation & Maintenance, Monitoring & Evaluation of Flood Control, Drainage & Irrigation in Sri Lanka. Workshop organized by Asian Institute of Technology (AIT) at the Central Bank Training Institute, 16th April 2014, Colombo, Sri Lanka.
- Rajapakse, R. L. H. L. (2013). Invited Speech/Resource Person for the Professional Development Training Program on Implementation, Operation & Maintenance and Evaluation of Flood Control, Drainage & Irrigation Schemes with Emphasis of Quality Control in Sri Lanka, 02-13 December 2013, AIT Training Program to Bangladesh Delegation, AIT Extension Asian Institute of Technology, Thailand.
- Rajapakse, H. L. (2009). National Water Resources Management Policy for Sustainable Economic Development in Sri Lanka; Better Late Than Never. Keynote Lecture delivered at the 9th Annual Research Session of the SLSAJ (Sri Lankan Students' Association in Japan). SLSAJ RS/RJ 2009 at the premises of the Embassy of Sri Lanka in Japan, Tokyo, Japan. (08 November 2009, Tokyo, Japan).
- Rajapakse, H. (2009). Modelling for NPS Management: Process based modelling of agricultural nonpoint-source pollution at watershed scale; Application to Yata River Basin in Japan and implications for management. Invited presentation at the International Workshop on Non-point Source Management in Rural Area and Saemangeum Watershed. DIPCON 2009 Special Workshop co-organized by Korea Rural Community Corporation and Korea INWEPF (International Network for Water and Ecosystem in Paddy Fields), Seoul, Korea, 13 October 2009.
- Rajapakse, H. (2009). River Basin Management in Japan: Past, Present and Future Directions. Invited Lecture at the Special Session at the World City Water Forum (WCWF) 2009 co-organized by Asian Development Bank/Asia-Pacific Water Forum (APWF) KnowledgeHubs on Basin Water Resources & Water Quality Management at the Launch of Knowledge Hub on Water Quality Management in River Basins (Kwater, Korea), Incheon, Korea, 18-21 August 2009.
- Rajapakse, H. L. 2008. "The Role of Dams in Sri Lanka from Ancient Times to the Present: Historical Development and Changing Perspectives to Serve Diverse Development Needs", Invited Lecture at the International Seminar on Role of Dams, co-organized by Japan Dam Engineering Centre, National Institute of Water Resources Engineering & Water Resources and Environmental Management Centre; held at Japan Dam Engineering Centre, Tokyo on April 23, 2008.

12.7 Theses Supervised

- Dahanayake, A. C. (2019). Basinwide Analysis of Water Resources and Pollute Transport Using a Distributed Parameter Model. Degree of Master of Philosophy in Civil Engineering, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MPhil Thesis).
- Hendawitharana, S. U. (2019). Spatial and Temporal Analysis of Rainfall and Drought and Development of a Drought Prediction Model by using Multi-model Ensembled

- Approach. Degree of Master of Science in Civil Engineering, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MSc Thesis).
- Thilakarathne, J. A. S. I. (2019). A Case Study on Sustainable Restoration Approach for Cascade Pond Systems in Jaffna Municipal Council Area for Effective Flood Management. Degree of Master of Science in Civil Engineering, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MSc Thesis).
- Karma Yangzom Dorji (2019). The Effect of Antecedent Moisture Condition on HEC-HMS Model Performance: A Case Study In Kelani River Basin, Sri Lanka. Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MSc Thesis).
- Rohit Adhikari (2019). Estimation of SCS Curve Number for Streamflow Modelling A Case Study of Badalgama Watershed in Maha Oya Basin, Sri Lanka. Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MSc Thesis).
- Mohammad Najim Nasimi (2019). Continuous Hydrological Modeling using Soil Moisture Accounting for Water Resources Assessment in Kelani River Basin, Sri Lanka. Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, September 2019 (MSc Thesis).
- Dulan Nalaka Gunasekara, (2018). Application of 'abcd' Monthly Water Balance Model for Kalu Ganga and Gin Ganga Basins and its Application Potential for Water Resources Investigation. Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2018 (MSc Thesis).
- Ugyen Wangchuk, 2018. Suitability of abcd water balance model for assessment of water resources in Kelani basin and Kirindi basin in Sri Lanka, Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2017 (MSc Thesis).
- Ahmad Mohi Uddin, 2018. Effect of catchment scale and comparison of loss and base flow methods available in HEC-HMS for continuous simulation for efficient water resource management in Kelani river basin, Sri Lanka, Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2017 (MSc Thesis).
- Muhammad Kamran, 2017. The Effect of Watershed Subdivision and Antecedent Moisture Condition on HEC-HMS Model Performance in the Maha Oya Basin in Sri Lanka, Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2017 (MSc Thesis).
- C. R. Dissanayaka, 2017. Stream Flow Forecast and Reservoir Performance Assessment under Climate Change in Kelani Basin, Sri Lanka, Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2017 (MSc Thesis).
- Jigme Tshewang, 2016. Rainfall-Runoff Simulation Model Based on Water Balance Concept for Basinwide Water Resource Assessment A Case Study in Upper and Lower Catchments of Deduru Oya Basin, Sri Lanka, Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2016 (MSc Thesis).
- Dissanayake, D.M.S.S, 2016 Study of Urban Water Demand and Distribution System Reliability A Case Study of Maharagama Water Supply Scheme, Sri Lanka, Degree

- of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2016 (MSc Thesis).
- Nawarathne, R. M. A. R. (2015). An Integrated Water Resources Management Approach for Attanagalu Oya Basin, Sri Lanka. Post Graduate Diploma in Engineering (IESL PG Dip), Thesis supervised by: R. L. H. L. Rajapakse.
- Munaver Jaman, 2014. Rainwater Harvesting Practices in Sri Lanka and an Investigation on Cost Effective Design Considerations for Wet and Dry Zones. Degree of Master of Science in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Sri Lanka, October 2014 (MSc Thesis)
- Samarasinghe, S. A. C. M. (2014). Impact on Water Quality Caused by the Construction of Roads: The case of Southern Highway. Post Graduate Diploma in Engineering (IESL PG Dip), Thesis supervised by: R. L. H. L. Rajapakse.
- Nawarathne, R. M. A. R. (2011). Approach based on Integrated Water Resources Management for Attanagalu Oya Basin, Sri Lanka. Thesis completed for Graduate Diploma, City & Guilds, UK.

Others

- <u>Rajapakse R. L. H. L.</u> (2016). Session Chair: Session on Surface Water Hydrology. 8th International Perspective on Water Resources and the Environment (IPWE) Conference at the Cinnamon Grand Hotel, January 4th ~ 6th, 2016, Colombo, Sri Lanka.
- Rajapakse, H. (2009). Session Chair: Session 16-Diffuse Pollution Modelling-1. The 13th International Conference on Diffuse Pollution and Integrated Watershed Management (IWA-DIPCON 2009), Seoul, Korea, 12-15 October 2009.
- Rajapakse L. (2008). Session Chair: The 08th Annual Research Session of SLSAJ (Sri Lankan Students' Association in Japan) RS/RJ 2008. Tokyo, Japan, 06 November 2008.
- <u>Rajapakse L.</u> (2006). Session Co-chair: The 06th Annual Research Session of SLSAJ (Sri Lankan Students' Association in Japan) RS/RJ 2006. Tokyo, Japan, 30 September 2006.

13.0 Academic Journal Review and Sub-editorship

- Assistant to the Subject Editor for international journals, Landscape and Ecological Engineering, Wetlands Ecology and Management, Limnology (2004-2007)
- Reviewer for the international journals aforementioned and River Research and Applications, Water Science and Technology, Hydrobiologia, Aquatic Botany, Wetlands Ecology and Management, Limnology (2005-to date)

14.0 Academic Distinctions, Awards, Scholarships etc.

- First Class Honours for B.Sc. of Engineering (Civil Engineering) by the University of Moratuwa, Sri Lanka, 1996.
- Best Civil Engineering Final Year Project Award for the Structural and Construction Engineering by the University of Moratuwa, Sri Lanka, 1996.

- Postgraduate Scholarship (2 years) to pursue research leading to a Masters degree at Saitama University, Japan by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan, 1997.
- Postgraduate Scholarship (3 years) to pursue research leading to a PhD degree at Saitama University, Japan by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan, 2002.
- Postdoctoral Fellowship (2 years) to pursue research at Saitama University, Japan by the Japan Society for the Promotion of Science (JSPS), 2006.

I hereby declare that the above information given is true and accurate to the best of my knowledge.

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| Prof. Eng. R. L. H. L. Rajapakse | Date: December 20th, 2020 |