

**Peer reviewed presentations with evidence at national/international  
conferences / symposia**

- Published full papers** as 1. N.W.B.A.L. Udayanga and **M.M.M. Najim**, 2014. Trends in Dry and Wet Events of Rainfall in Aththanagalu Oya Basin, Symposium proceedings of the Water Professional's Day – October 01 2014, pp. 39 - 51. Geo-Informatics Society of Sri Lanka, Peradeniya
2. D. Halwatura, **Najim M.M.M.** and N.W.B.A.L Udayanga, 2013. Impacts of Urban Water Management in Attanagalu Oya Basin, In proceeding of: Special session on Urban Water Environment Monitoring & Management, 4th International Conference on Structural Engineering and Construction Management, 2013,, At Kandy Sri Lanka.
3. D. Waniganethi, **M.M.M. Najim** and D. Halwatura 2013. Influence of climate change on water management of Paddy in Attanagalu Oya basin. Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 29-38. Geo-Informatics Society of Sri Lanka, Peradeniya
4. M.T. Jayasuriya and **M.M.M. Najim** 2013. Assessment of the climate change variability in the intermediate zone of Sri Lanka through continuous wet day rainfall frequency distribution analysis, Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 39-50. Geo-Informatics Society of Sri Lanka, Peradeniya
5. N.W.B.A.L. Udayanga and **M.M.M. Najim**, 2013. Evaluation of the trends in climatic change with respect to severity and occurrence frequency of wet and dry events in the dry zone of Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2013, pp. 51-62. Geo-Informatics Society of Sri Lanka, Peradeniya
6. D. Waniganethi, **M.M.M. Najim** and D. Halwatura 2012. Seasonal Variation of Rainfall at Attanagalu Oya Basin: Symposium proceedings of the Water Professional's Day – October 01 2012, pp. 31-42. Geo-Informatics Society of Sri Lanka, Peradeniya.
7. Influence of Aerators and *Pistiastratiotes* on Evaporation and Transpiration Losses in an Indoor Aquatic System: K.M.H. Bandara and **M.M.M. Najim** 2012. Symposium proceedings of the Water Professional's Day – October 01 2012, pp. 175-184. Geo-Informatics Society of Sri Lanka, Peradeniya.
8. U. S. C. Udagedara and **M. M. M. Najim**, 2010. Potential to Increase the Area under Paddy Cultivation with Domestic and Municipal Wastewater Irrigation in Kurunegala District, In: Evans, A.; Jinapala, K. (Eds.). 2010. Proceedings of the National Conference on Water, Food Security and Climate Change in Sri Lanka, BMICH, Colombo, Sri Lanka, 9-11 June 2009. Vol. 2: Water quality, environment and climate change. Colombo, Sri Lanka: International Water Management Institute. pp 157-166.
9. M.B.F. Mafahira Jifeen, **M.M.M. Najim** and U.A.D.P. Gunawardena 2008. Effect of Land Use Changes on Flood Hydrology in Heen Ela Sub Catchment, Colombo. Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 1-8. Geo-Informatics Society of Sri Lanka, Peradeniya.
10. R.A.T.C.S. Ranashingha, **M.M.M. Najim**, R.M.N.S. Ranundeniya and U.S.C. Udagedara. 2008. Water Supply, Sanitation and Water Based Disease Incidents in Four PHI Areas from the Intermediate Zone of

- Kurunegala District, Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 133-142. Geo-Informatics Society of Sri Lanka, Peradeniya.
11. S.P. Liyanage, **M.M.M. Najim** and T. Sivananthawerl. 2008. Comparison of Reference Crop Evapotranspiration Estimation Methods at Lunugamvehera, Sri Lanka. Symposium proceedings of the Water Professional's Day – October 01 2008, pp. 111-120. Geo-Informatics Society of Sri Lanka, Peradeniya.
  12. P. Jayakody, L. Raschid-Sally, S.A.K. Abayawardana and **M.M.M. Najim**, 2006. Urban growth and wastewater agriculture: A study from Sri Lanka, 32nd WEDC International Conference, Colombo, Sri Lanka.
  13. **Najim, M.M.M.**, Abeywardana, S.C. Jayakody, K.P.K. and Rambanda, M. 2006. Calibration of a Venturi Fertilizer Injector for Efficient Micro Irrigation, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2006, pp. 16-24. Postgraduate Institute of Agriculture, Peradeniya.
  14. Abeyrathne B.G.A., **Najim, M.M.M.** and Jayatissa, D.N. 2005. Development of a simple sprinkler system designing and pump selection expert system (SSSDPS expert), Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 39-52. Postgraduate Institute of Agriculture, Peradeniya.
  15. Umagiliyage, A.H.L., **Najim, M.M.M.** and Hewavitharana, P. 2005. Hydraulic calibration of canal reaches and structures through simulation, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 15-26. Postgraduate Institute of Agriculture, Peradeniya.
  16. Priyantha Jayakody, François Molle, and **Najim M.M.M.** 2005. How theoretical water demand deviates from actual on farm water demand and suggestions for improvements, A case study from Uda Walawe Irrigation scheme, Sri Lanka, Water resources research in Sri Lanka, Symposium proceedings of the Water Professional's Day – October 01 2005, pp. 1-14. Postgraduate Institute of Agriculture, Peradeniya.
  17. **Najim, M.M.M.**, T.S. Lee, M. Aminul Haque, and M.I.M. Mowjood. 2004. Land preparation water management by canal simulation in a paddy estate, In Proceedings of the Tenth Asian Congress of Fluid Mechanics (ACFMX), Paper A 22. 17 – 21 May 2004, University of Peradeniya, Peradeniya, Sri Lanka.

**Published in  
abstract form**

1. Mendis, B.R.C, **Najim, M.M.M.** and Kithsiri, H.M.P. (2017). Heavy Metal levels in muscle tissues of selected mud crabs (*Scylla serrata*) from Negombo Estuary. In: Annual Research Symposium - 2017, Faculty of Graduate Studies University of Colombo. Sri Lanka. 152 p.
2. Gunathilaka, P.A.D.H.N., **Udayanga, N.W.B.A.L.**, Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2017. Forecasting dengue incidence based on past dengue cases and vector density indices in Gangawata Korale and Kandy Municipal Council Medical Officer of Health (MOH) areas in Kandy District of Sri Lanka; An approach to mathematical modeling. IN: Proceedings of the 73<sup>rd</sup> Annual Sessions, Sri Lanka Association for the Advancement of Science.

3. **Najim, M.M.M.** and Moragoda, N., 2017. Effects of Paddy Husk Biochar on Selected Physical and Chemical Properties of the Low Humic Gley Soil in the Low Country Wet Zone. In *Proceedings of International Forestry and Environment Symposium* (Vol. 21).
4. **Udayanga, N.W.B.A.L.,** Najim, M.M.M., 2016. Comparative Evaluation of Three Environmental Flow Calculation Methods at Ketawala Anicut of Aththanagalu Oya, Sri Lanka. IN: International Symposium on ICT for Sustainable Development, 10<sup>th</sup> – 12<sup>th</sup> of August, 2016, Hotel Clarion, Sri Lanka.
5. **Udayanga, N.W.B.A.L.,** Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, Najim, M.M.M., Amarasinghe, U.S. and Abeyewickreme W., 2016. Determination of Risk Factors for Dengue in the Gampola Medical Officer of Health (MOH) area, District of Kandy: Based on Knowledge, Attitudes and Practices (KAPs). IN: Proceedings of the 72<sup>nd</sup> Annual Sessions, Sri Lanka Association for the Advancement of Science.
6. Udayanga, N.W.B.A.L., Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, and Abeyewickreme W., 2016. Geo-informatics based approach for evaluation of trends in Dengue outbreaks within Doluwa MOH area in Central province of Sri Lanka, 5th Young Scientists' Symposium, NASTEC, Colombo.
7. Mendis, B.R.C, **Najim, M.M.M.** and Kithsiri, H.M.P. (2016). Effect of Heavy Metal Contamination of Water in Negombo Estuary, Sri Lanka. In: Annual Research Symposium - 2016, Faculty of Graduate Studies, and University of Colombo. Sri Lanka. 148 p.
8. Mendis, B.R.C, **Najim, M.M.M.** and Kithsiri, H.M.P. (2016). Heavy Metal Concentrations in Fish Muscle Tissues of Grey Mullet (*Mugil cephalus*) Obtained From Negombo Estuary in Sri Lanka. Annual Research Symposium - 2016, Faculty of Graduate Studies, University of Colombo. Sri Lanka. p.147.
9. Udayanga, N.W.B.A.L.,Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2015. Emerging Spatio-Temporal Trends of Dengue Incidence in Colombo and Kandy districts, Sri Lanka. IN: Proceedings of the Current Research Activities on Dengue, Molecular Medicine Unit Faculty of Medicine, University of Kelaniya, Sri Lanka.
10. Udayanga, N.W.B.A.L and **Najim, M.M.M.**, 2015.Evaluation of the trends in seasonal variation of rainfall in Mannar, Sri Lanka. In: Proceedings of the 71st Annual Sessions, Sri Lanka Association for the Advancement of Science, pp 12.
11. Udayanga, N.W.B.A.L., Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2015. Evaluation of the Spatial and Temporal Trends of Dengue Outbreaks in Akurana, Central province, Sri Lanka. In: Proceedings of the 71st Annual Sessions, Sri Lanka Association for the Advancement of Science, pp 7.
12. Udayanga, N.W.B.A.L, Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2015. Demographical Characterization of Dengue Infected Patients in Akurana Medial Officer of Health Area, Central Province of Sri Lanka. IN: Proceedings of the 2nd International

- Conference on Multidisciplinary Approaches-2015, 11<sup>th</sup>& 12<sup>th</sup> of September, 2015, University of Sri Jayawardnapura, Sri Lanka.pp. 53.
13. Udayanga, N.W.B.A.L, Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D, **Najim, M.M.M.**, Amarasinghe, U.S. and Abeyewickreme W., 2015. Evaluation of the Spatial and Temporal Trends of Dengue Outbreaks in Gampola, Central Province, Sri Lanka. IN: Proceedings of iPURSE – 2015, 5<sup>th</sup>& 6<sup>th</sup> November 2015, University of Peradeniya, Sri Lanka.
  14. Udayanga, N.W.B.A.L and **Najim, M.M.M.**, 2015. Evaluation of the Status in Environmental Flow Maintenance at Mangalathiriya Anicut in Aththanagalu Oya, Sri Lanka. IN: Proceedings of iPURSE – 2015, 5<sup>th</sup>& 6<sup>th</sup> November 2015, University of Peradeniya, Sri Lanka.
  15. Udayanga, N.W.B.A.L. and **Najim, M.M.M.**, 2015, Evaluation of the performance of Hydrologic Engineering Centre - Hydrologic Modelling System (HEC-HMS) model in hydrological simulation of long term flow of Uruwal Oya, Sri Lanka. In: Proceedings of 21<sup>st</sup> Annual Scientific Sessions of Sri Lanka Association for Fisheries and Aquatic Resources - 2015, 22<sup>nd</sup> of May, 2015, Colombo, Sri Lanka.
  16. Mendis B.R.C., **Najim, M.M.M.** and H.M.P. Kithsiri, 2015. Effect of Seasonal Variations of Selected Heavy Metals in Water and Grey Mullet (*Mugil cephalus*) Fish Tissues from Negombo Estuary, Proceedings of the Annual Research Symposium, Faculty of Graduate Studies, University of Colombo, 25 October, 2015. pp 397 – 398.
  17. Mendis, B.R.C, **Najim, M.M.M.** Kithsiri, H.M.P and Azmy, S.A.M. (2015). Assessment of water quality and identification of pollution status of Negombo estuary in Sri Lanka. Sri Lanka Association for Fisheries and Aquatic Resources Sri Lanka. 21: pp. 39.
  18. Udayanga, N.W.B.A.L and **Najim, M.M.M.**, 2014, Trends in Dry and Wet Events of Rainfall in Aththanagalu Oya Basin. In: Water Professional's Day- October 01, 2014, Geo-Informatics Society of Sri Lanka, Peradeniya, Sri Lanka. pp. 39-52.
  19. Udayanga, N.W.B.A.L. and **Najim, M.M.M.**, 2014, Recent Trends in Rainfall Patterns of Mannar, Sri Lanka. In: Undergraduate Research Symposium for Environment Conservation and Management, 29<sup>th</sup> of January, 2015, University of Kelaniya, Sri Lanka. pp. 38.
  20. Udayanga, N.W.B.A.L. and **Najim, M.M.M.**, 2014, Environmental flow requirements for Kinigama anicut in Uruwal Oya, Sri Lanka. In: Undergraduate Research Symposium for Environment Conservation and Management, 29<sup>th</sup> of January, 2015, University of Kelaniya, Sri Lanka. pp. 39.
  21. Udayanga, N.W.B.A.L., Kodituwakku, K. A. R. K., and **Najim, M.M.M.**, 2014, Evaluation of the Spatial and Temporal Trends of Dengue Outbreaks in Kolonnawa Urban Council, Western province, Sri Lanka. In: Undergraduate Research Symposium for Environment Conservation and Management, 29<sup>th</sup> of January, 2015, University of Kelaniya, Sri Lanka. pp. 37.
  22. Munasinghe, D.S.N., **Najim, M.M.M.** (2014). Ecological impact of stream regulation using Benthic Macroinvertebrates as indicators in proceedings of the 4<sup>th</sup> Young Scientists Forum (YSF), January 23, 2015, Colombo, Sri Lanka.
  23. Gunewardena M.P., **Najim, M.M.M.** (2014). Flow modelling in

- Nillambe Oya, Sri Lanka, in proceedings of the International Symposium on ICT for Environmental Sustainability (ICTES), June 23-25, 2014, University of Kelaniya, Sri Lanka.
24. Munasinghe, D.S.N., **Najim, M.M.M.** (2014). Benthic Macroinvertebrates as Environmental flow Indicators-A Case Study: Gurugoda Oya, Sri Lanka-, in proceedings of the 70<sup>th</sup> Annual Scientific Sessions of the Sri Lanka Association of the Advancement of Science (SLASS), December 1-5, 2014, University of Colombo, Sri Lanka.
  25. Udayanga, N.W.B.A.L. and **Najim, M.M.M.**, 2014, Evaluation of Eco Friendly "Green Building" Aspects of Land Selection Criteria in "Gebim Shastra". In: Nineteenth International Forestry and Environment Symposium-2014. Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka. pp. 86.
  26. Udayanga, N.W.B.A.L. and **Najim, M.M.M.**, 2014, Evaluation of the trends in climatic change with respect to the seasonality of rainfall patterns in the DL<sub>1b</sub> agro-ecological zone of Sri Lanka. In: Nineteenth International Forestry and Environment Symposium-2014. Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka. pp. 80.
  27. Udayanga N.W.B.A.L. and **M.M.M. Najim**, 2014. Evaluation of the trends in climate change with respect to severity and frequency of occurrence of wet and dry events of rainfall in Aththanagalu Oya basin, Proceedings of the International Symposium on Information and Communication Technology for Environmental Sustainability, V.P.A. Weerasinghe and W.M.D.N. Wijeyaratne (Eds.), Department of Zoology, University of Kelaniya, Kelaniya, Sri Lanka.
  28. Udayanga N.W.B.A.L. and **M.M.M. Najim**, 2014. Evaluation of the trends in climate change with respect to severity and frequency of occurrence of wet and dry events of rainfall in Aththanagalu Oya basin, Proceedings of the International Symposium on Information and Communication Technology for Environmental Sustainability, V.P.A. Weerasinghe and W.M.D.N. Wijeyaratne (Eds.), Department of Zoology, University of Kelaniya, Kelaniya, Sri Lanka.
  29. Munasinghe D.S.N. and M.M.M. Najim, 2014. Environmental flow variation due to mini-hydro diversion at Gurugoda Oya, Sri Lanka Proceedings of the International Symposium on Information and Communication Technology for Environmental Sustainability, V.P.A. Weerasinghe and W.M.D.N. Wijeyaratne (Eds.), Department of Zoology, University of Kelaniya, Kelaniya, Sri Lanka.
  30. B.M.C.N. Kularathne and **M.M.M. Najim** 2014. Water resource management of an agricultural cascade system in the intermediate zone of Sri Lanka through hydrological modeling, Third Young Scientist's Symposium, 07 February 2014, HARTI, Colombo.
  31. M.T. Jayasuriya and **M.M.M. Najim** 2014. Assessment of maximum continuous wet day rainfall frequency distribution in the intermediate zone of Sri Lanka, Third Young Scientist's Symposium, 07 February 2014, HARTI, Colombo.
  32. M.A.U. Perera and **M.M.M. Najim**, 2014. Evaluation of machine energy used in a cascade agricultural system, Third Young Scientist's Symposium, 07 February 2014, HARTI, Colombo.
  33. Udayanga, N. W. B. A. L., & **Najim, M.M.M.** (2014, February).

- Severity and Frequency of Occurrence of Wet and Dry Events in the IL1a Intermediate Zone of Sri Lanka. In *Proceedings of International Forestry and Environment Symposium* (Vol. 18).
34. Udayanga, N. W. B. A. L., & **Najim, M.M.M.** (2014, February). Evaluation of Traditional Plantation Management Techniques with Respect to Modern Concepts of Plantation Management. In *Proceedings of International Forestry and Environment Symposium* (Vol. 18).
  35. Udayanga, N. W. B. A. L., & **Najim, M.M.M.** (2014, February). Evaluation of Traditional “Micro Catchment Management” Practices in Respect with Basic Concepts of Modern Water Resources Management. In *Proceedings of International Forestry and Environment Symposium* (Vol. 18).
  36. Jayasuriya, M. T., & **Najim, M.M.M.** (2014, February). Assessment of Continuous Wet Day Rainfall Frequency Distribution in the Intermediate Zone of Sri Lanka. In *Proceedings of International Forestry and Environment Symposium* (Vol. 18).
  37. M.T. Jayasuriya and **M.M.M. Najim**, 2014. Assessment of maximum continuous wet day rainfall frequency distribution in the intermediate zone of Sri Lanka, In Proceedings of the Third Young Scientists’ Forum Symposium, Colombo, Sri Lanka.
  38. B .M.C.N. Kularathne and **M. M. M. Najim** 2014. Water resource management of an agricultural cascade system in the intermediate zone of Sri Lanka through hydrological modeling, In Proceedings of the Third Young Scientists’ Forum Symposium, Colombo, Sri Lanka.
  39. N.W.B.A.L. Udayanga and **M.M.M. Najim** 2014. Assessment and comparison climatic patterns in Thanamalvila and Bingiriya (DL<sub>1b</sub> and IL<sub>1a</sub>) regions of Sri Lanka, In Proceedings of the Third Young Scientists’ Forum Symposium, Colombo, Sri Lanka.
  40. M.A.U.Perera and **M.M.M. Najim**, 2014. Evaluation of machine energy used in a cascade agricultural system, In Proceedings of the Third Young Scientists’ Forum Symposium, Colombo, Sri Lanka.
  41. Ranundeniya, R.M.N.S., **M.M.M. Najim** and U.S.C. Udagedara 2013. Potential to save water under paddy farming through maximum utilization of rainfall in the DL1b and DL1e agro-ecological zones in Sri Lanka, Second Sri Lankan Roundtable for Sustainable Consumption and Production, 21<sup>st</sup> - 22<sup>nd</sup> February 2013, Galadari Hotel , Colombo, Sri Lanka. p 19.
  42. **M.M.M. Najim** and S.B. Koralegedara 2013. Potential to save water resources by rainwater harvesting for urban agriculture and landscaping, Second Sri Lankan Roundtable for Sustainable Consumption and Production, 21<sup>st</sup> - 22<sup>nd</sup> February 2013, Galadari Hotel, Colombo, Sri Lanka. p 69.
  43. Halwatura, D. and **M.M.M. Najim** 2013. Estimation of environmental flow variations at Attanagalu Oya basin by range of variability approach, Young Scientists’ Symposium 2013, National Science and Technology Commission, Sri Lanka.
  44. Waniganethi, D., D. Halwatura and **M.M.M. Najim** 2012. Adaptation to climate change and water management in paddy farming systems in Attanagalu Oya basin. Fifth National Geography Conference, University of Kelaniya.
  45. Waniganethi, D., D. Halwatura and **M.M.M. Najim** 2012. Frequency

- analysis of average and maximum rainfall and Seasonal variation of rainfall at Attanagalu Oya basin. Fifth National Geography Conference, University of Kelaniya.
46. Halwatura, D. and **M.M.M. Najim**, 2012. Runoff modeling of a wet zone watershed in Sri Lanka using HEC-HMS model, Proceedings of the Eighteenth Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources, 17 – 18 May 2012, p 21. Sri Lanka Association for Fisheries and Aquatic Resources, Sri Lanka.
  47. Halwatura, D. and **M.M.M. Najim**, 2012. Environmental flow assessment in Attangalu Oya, Proceedings of the Eighteenth Annual Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources, 17 – 18 May 2012, p 22. Sri Lanka Association for Fisheries and Aquatic Resources, Sri Lanka.
  48. Bandara,H.K.M. and **M.M.M. Najim**. 2012. Influence of aquatic plants (*Pistia stratiotes* and *Vallisneria spiralis*) and aerators on evaporation and transpiration losses in an indoor aquatic system, In: Proceeding of the Young Scientists Forum Symposium 2011. p 03.
  49. Wijenayake, W.M.K.H.K., **M.M.M. Najim**, J.M. Asoka, S.S. De Silva and U.S. Amarasinghe. 2010. “Impact of Climate Change on Culture Based Fisheries in non-perennial reservoirs of Sri Lanka”, In: Consultation on Development trends in Fisheries and Aquaculture in Asian Lakes and Reservoirs, Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, PR China. 65-66 pp.
  50. **Najim, M.M.M.**, W.M.K.H.K. Wijenayake, S.S. De Silva and U.S. Amarasinghe. 2010. Impact of Climate Change on Culture Based Fisheries of Sri Lanka: Possible Adaptations of Communities, In: Disaster Risk Reduction and Climate Change Adaptation (Liyanage, J.A., Wattavidanage, J, Mallawathanthri, A.P. and Kannangara S. eds), Disaster Management Center, of the Ministry of Disaster Management, Sri Lanka. 52 pp.
  51. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2010. Influence of small tank renovation on floral diversity around the renovated small tanks – a PRA analysis from the Dry Zone of Sri Lanka. 11<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya. p 70.
  52. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2010. Village tank induced changes in aquatic plants. 11<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya. p 71.
  53. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2010. Changes in mammal abundance due to small tank renovation – A case study from the Dry Zone of Sri Lanka. 11<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya. p 70.
  54. Udagedara U.S.C. and **M.M.M. Najim** 2010. Distribution of endangered freshwater crab *Ceylonthelphusa armata* (Ng, 1995) (Crustacea: Brachyura: Gecarcinucidae) in streamlets of Maha Oya, Kadugannawa, Sri Lanka, Third International Symposium on “New Horizons in Humanities and Sciences towards Sustainable Development”, Sabaragamuwa University of Sri Lanka. p 129.
  55. Bandara,H.M.K.S. and **M.M.M. Najim** 2010. Evaluation of household sewage disposal system in Gampaha municipality area for compliance with the standards, Third International Symposium on “New Horizons in

- Humanities and Sciences towards Sustainable Development”, Sabaragamuwa University of Sri Lanka. p 122.
56. Udagedara, U.S.C. and **M.M.M. Najim**. 2009. Environmental effects due to *Pinus caribea* plantation- a case study from Aranayake DS Division. International Forestry and Environment Symposium 2009, p 104. University of Sri Jayawardenapura.
  57. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2009. Bird diversity variation due to small tank renovation in the dry zone of Sri Lanka – A case study from Galgamuwa D.S. Division. 10<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya.
  58. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2009. Application of PRA tool to study fish diversity variations due to small tank renovation – A case study from Galgamuwa D.S. Division. 10<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya.
  59. Nishantha, K.P.L., **M.M.M. Najim** and N.K. Dangalla. 2009. Changes in Amphibian and reptile species living around tank environments due to renovation of small tanks in the dry zone of Sri Lanka – A case study from Galgamuwa D.S. Division. 10<sup>th</sup> Annual Research Symposium, Faculty of Graduate Studies, University of Kelaniya.
  60. **Najim, M.M.M.** 2009. Water saving irrigation approaches in paddy production in Sri Lanka – possibilities and trends, Regional R & D workshop on Water Saving Irrigation Practices in Rice Based Canal Systems, 8 -9 October 2009, p. 11. Asian Institute of Technology, Thailand.
  61. Weerasinghe, K.D.U.S., D. Halwathura and **M.M.M. Najim**, 2009. Lotic fresh water pollution-past and present: case study from Colombo and Gampaha. National Symposium on Natural Resources Management (NRM 2009), 29 – 30 August 2009. p 48. Sabaragamuwa University of Sri Lanka, Belihuloya.
  62. Gunathilaka, P.A.D.H.N., R.M.N.S.Ranundeniya, **M.M.M. Najim** and M.C.S.Seneviratne. 2009 Determination of trace elements in *Heterodermia speciosa* from Colombo and Kurunagala, Sri Lanka using energy dispersive X-ray fluorescence spectrometry. National Symposium on Natural Resources Management (NRM 2009), 29 – 30 August 2009. p 62. Sabaragamuwa University of Sri Lanka, Belihuloya.
  63. Udagedara U.S.C. and **M.M.M. Najim**. 2009. Health implications due to inadequate access to sanitation and water supply in four PHI areas in Mawanella. National Symposium on Natural Resources Management (NRM 2009), 29 – 30 August 2009. p 39. Sabaragamuwa University of Sri Lanka, Belihuloya.
  64. K.P.L. Nishantha, **M.M.M. Najim**, and N.K.Dangalla. 2009. Selection priorities for small tanks renovation using pair wise ranking PRA tool: a case study from Galgamuwa D.S division, Sri Lanka. National Symposium on Natural Resources Management (NRM 2009), 29 – 30 August 2009. p 32. Sabaragamuwa University of Sri Lanka, Belihuloya.
  65. U. S. C. Udagedara and **M. M. M. Najim**, 2009. Potential to increase the area under paddy cultivation with domestic and municipal wastewater irrigation in Kurunegala District. Water for Food Conference – 09-11 June 2009, p 27. International Water Management Institute, Colombo.



66. **M.M.M. Najim** and M.I.M. Mowjood. 2009. Hydrological modeling approach to protect biodiversity allowing environmental flows below weirs. Proceedings of the Fifteenth Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources, 19th June, 2009, p 24. Sri Lanka Association for Fisheries and Aquatic Resources, Sri Lanka.
67. M.B.F. Mafahia, U.A.D.P. Gunawardena and M.M.M. Najim. 2008. Economic valuation of flood control benefit of Heen Ela sub-catchment of Colombo city. International Forestry and Environment Symposium 2008, University of Sri Jayawardenapura. Sri Lanka.
68. **M.M.M Najim** 2008. Poverty alleviation and women empowerment through Islamic micro-finance in Sri Lanka. International Conference on Social Sciences – Sri Lanka, p 144. 18 – 20 July 2008, University of Kelaniya, Sri Lanka.
69. **M.M.M Najim** and M.I.M. Mowjood 2008. Integrated water resources management in the Mahaweli and adjacent river basins. International Conference on Social Sciences – Sri Lanka, p 8. 18 – 20 July 2008, University of Kelaniya, Sri Lanka.
70. **M.M.M. Najim**, M. Aminul Haque, Lee Teang Shui. 2003. Estimation of evapotranspiration and climate change in the west coast of peninsular Malaysia. In Malaysian Science And Technology Congress 2003, Engineering Sciences. p 44. Confederation of Scientific and Technical Association in Malaysia (COSTAM), Petaling Jaya. Malaysia.
71. Aminul Haque, M., **M.M.M. Najim** and Lee Teang Shui. 2003. Simulation model for generating rainfall data. In Malaysian Science And Technology Congress 2003, Engineering Sciences. p 43. Confederation of Scientific and Technical Association in Malaysia (COSTAM), Petaling Jaya. Malaysia.

**Presentations with evidence at national/international conferences /  
symposia (Not peer-reviewed)**

**Other Scientific  
communications – Presented:**

1. **Najim, M.M.M.** and I.H. Rajapakse 2009. Health implications related to mismanagement of domestic and municipal wastewater in Sri Lanka. Reader workshop on water and Health, 25-27 February 2009, Hyderabad, India.
2. **Najim, M.M.M.** and Saman Fernando, 2006. Continuous Improvement of Science and Technology Sector Institutions – Young Scientists' Perspective, Fourth Sri Lanka Conference on Science and Technology (BICOST IV), Tangerine Beach Hotel, Kalutara, Sri Lanka.
3. **Najim, M.M.M.** 2000, Micro-irrigation in Sri Lanka – Present status, In Symposium on Productivity Enhancement Through Micro-irrigation, Agricultural Engineering Society of Sri Lanka.