

Research publication in refereed journals

Peer Reviewed Indexed Journals

1. Udayanga, L., N. Gunathilaka, M.C.M. Iqbal, **M.M.M. Najim**, K. Pahalagedara and W. Abeyewickreme, 2018. Empirical optimization of risk thresholds for dengue: an approach towards entomological management of *Aedes* mosquitoes based on larval indices in the Kandy District of Sri Lanka, *Parasites & Vectors* 11:368 (**Indexed in** : Science Citation Index Expanded, Scopus, Agricola, CABI, MEDLINE, PubMed, SCImag)
2. Udagedera, U.S.C., Gabadage, D.E. and **Najim, M.M.M.**, 2015. Distribution notes on the Endangered freshwater crab *Ceylonthelphusa armata* Ng (1995) (Crustacea: Brachyura: Gecarcinucidae) in Sri Lanka. *Journal of Threatened Taxa*, 7(11): 7791-7794. (**Indexed in** : BIOSIS Previews, CAB Abstracts, EBSCO, Index Copernicus, Index Fungorum, Journal Seek, Zoological Records)
3. Halwatura, D., **Najim, M.M.M.**, 2013. Application of the HEC-HMS model for runoff simulation in a tropical catchment, *Environmental Modelling & Software*, 46: 155-162. (**Indexed in** : Science Citation Index)
4. P.D.H.N. Gunathilaka, R.M.N.S. Ranundeniya, **M.M.M. Najim** and S. Seneviratne. 2011. Determination of air pollution using *Heterodermia speciosa* from Colombo and Kurunegala, Sri Lanka using energy dispersive X-ray fluorescence spectrometry, *Turkish Journal of Botany*, 35(4): 439-446. (**Indexed in** : Science Citation Index Expanded)
5. **M.M.M. Najim**, M. AminulHaque and S.M. Bockari-Gevao. 2010. Irrigation energy consumption in a tropical lowland rice field, *Journal of Agricultural Sciences*, 5(1) : 01 – 08 (**Indexed in** : CAB Direct, Summon by Serial Solutions)
6. U.S.C. Udagedera and **M. M. M. Najim**, 2009. Potential to enhance the extent of paddy cultivation using domestic and municipal wastewater harvesting - a case study from the dry zone of Sri Lanka. *Journal of Applied Irrigation Science*, 44(2): 239-248. (**Indexed in** : CAB Direct, GEOREF)
7. I. H. Rajapakshe, L. W. Galagedara and **M.M.M. Najim**, 2008. Microbial water quality variations in consumable water sources and pollution contributions by Pussalla Oya Catchment Communities, *Tropical Agricultural Research*. 20: 314-326. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
8. Rajapakshe, I.H. and **Najim. M.M.M.** 2007. Water and Nutrient Balance in a Paddy Field Irrigated by Wastewater During Off (Yala) Season in Kurunegala, Sri Lanka, *Journal of Applied Irrigation Science*, 42 (1): 77-91. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
9. **M.M.M. Najim**, T.S. Lee, M. Aminul Haque and M. Esham, 2007. Sustainability of Rice Production: A Malaysian Perspective, *Journal of Agricultural Sciences*, Sabaragamuwa University of Sri Lanka. 3(1): 1-12. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
10. **Najim. M. M. M.** Babel M. S. and R. Loof. 2006 AGNPS Model Assessment for a Mixed Forested Watershed in Thailand, *ScienceAsia* 32(1): 53-61. (**Indexed in** : Science Citation Index Expanded)
11. Lee, T.S. **Najim, M.M.M.** Aminul, M.H. and H.Y. Feng 2005. Modeling of Changes in Evapotranspiration for an Area in Peninsular Malaysia, *Pertanika Journal of Science and Technology*, 13(2): 237-248. (**Indexed**

- in** : CAB Direct, Summon by Serial Solutions)
12. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. In-Time Rice Irrigation Water Management Under Limited Water Supply. *Pertanika Journal of Science and Technology*, 13(2): 97-111. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
 13. **Najim, M.M.M.** Lee, T.S. and A. Haque, 2005. Felcra paddy estate management decision support system - Part1: Capabilities and output, *Journal of Applied Irrigation Science*, 40(2): 247-258. (**Indexed in** : CAB Direct, GEOREF)
 14. **Najim, M.M.M.** Lee, T.S. and A. Haque, 2005. Felcra paddy estate management decision support system - Part1: Design and development, *Journal of Applied Irrigation Science*, 40(2): 231-246. (**Indexed in** : CAB Direct, GEOREF)
 15. Aminul, M.H. **Najim, M.M.M** and Lee, T.S. 2005. Evaluation of Water Use in a Rice Double Cropping System in Malaysia, *Tropical Agricultural Research*, 17: 104 - 113. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
 16. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. Modeling water resources allocation in a run-of-the-river rice irrigation scheme. *Water Resources Management* 19: 571–584. (**Indexed in** : Science Citation Index Expanded)
 17. Lee, T.S. Aminul, M.H. and **Najim, M.M.M.** 2005. Scheduling the cropping Calendar in Wet-Seeded Rice Schemes in Malaysia. *Agricultural Water Management*, 71(1): 71-84. (**Indexed in** : Science Citation Index)
 18. Babel, M.S. **Najim, M.M.M.** and Loof, R. 2004. Assessment of AGNPS Model for a Watershed in Tropical Environment, *Journal of Environmental Engineering of the ASCE*, 130(9): 1032 – 1041. (**Indexed in** : Science Citation Index)
 19. Lee, T.S. **Najim, M.M.M.** and Aminul, M.H. 2004. Estimating Evapotranspiration of Irrigated Rice at the West Coast of the Peninsular of Malaysia, *Journal of Applied Irrigation Science*, 39:103-117. (**Indexed in** : CAB Direct, GEOREF)
 20. Aminul, M.H. **Najim, M.M.M.** and Lee, T.S. 2004. Modeling Irrigation Water Delivery Schedule for Rice Cultivation in East Coast Malaysia, *Tropical Agricultural Research*, 16: 204-213. (**Indexed in** : CAB Direct, Summon by Serial Solutions)
 21. **Najim, M.M.M.** Aminul, M.H. and Lee, T.S. 2004. LPWM Expert: An expert system for water management during land preparation in a paddy estate in Malaysia, *Tropical Agricultural Research*, 16: 150-158. (**Indexed in** : CAB Direct, Summon by Serial Solutions)

Peer Reviewed Journals

1. **Mendis, B.R.C,** Najim, M.M.M., Kithsiri, H.M.P and Azmy, S.A.M., (2017). Determination of Heavy Metals Levels in Water, Sediments and Edible Fish (*Mugil cephalus*) of Negombo Estuary in Sri Lanka. (Accepted to NARA Journal-2015, National Aquatic Resources Research and Development Agency, Colombo 15, Volume 44
2. B.R.C. Mendis, **M.M.M. Najim,** H.M.P. Kithsiri and S.A.M. Azmy, 2015. Bioaccumulation of Heavy Metals in the Selected Commercially Important Edible Fish Species Gray Mullet (*Mugil cephalus*) from

- Negombo Estuary. Journal of Environmental Professionals Sri Lanka, 4(2): 1-9.
3. **Mendis, B. R. C**, Najim, M.M.M and Kithsiri, H.M.P. (2015). Water Quality and Heavy Metal Monitoring in Water, Sediments, and Tissues of Grey Mullet (*Mugil cephalus*) from the Negombo Estuary in Sri Lanka. Journal of Faculty of Graduate Studies University of Colombo, Sri Lanka. 2(1): pp. 1-22.
 4. Mendis B.R.C., **Najim, M.M.M.** and H.M.P. Kithsiri, 2015. Quantitative analysis of water quality and heavy metals in water, sediments and tissues of Grey Mullet (*Mugil cephalus*) from the Negombo estuary, Colombo Journal of Multi-Disciplinary Research, 2(1): 1-22.
 5. Halwatura, D., Najim, M.M.M., 2014. Environmental Flow Assessment–An Analysis, Journal of Environmental Professionals Sri Lanka, 3(2): 1-11.
 6. Bandara, H.M.K.S. and **M.M.M. Najim** 2014. Compliance with standards and immerging issues of household sewage disposal systems in Gampaha municipality area in Western Sri Lanka, Journal of Environmental Professionals Sri Lanka, 2(2): 1-12.
 7. U.S.C. Udagedara and **M.M.M. Najim**, 2009. Water Based Disease Incidents due to Inadequate Access to Sanitation and Water Supply in Four PHI Areas in Mawanella, Sri Lanka. The Environ Monitor, 9(11 &12): 28-33.
 8. M Aminul Haque and **M.M.M. Najim**. 2008. An Overview of Policy and Institutional Distribution for Drinking Water Supply in the Arsenic Affected Areas in Bangladesh, The Environ Monitor.8(3-4): 4-13.
 9. Rajapakshe, I.H., Gunawardana, I.P.P., and **Najim, M.M.M.** 2007. Problems Associated with Utilization and Management of Wastewater: A Case Study from Sri Lanka. The Environ Monitor, 7(11): 4-13.
 10. **Najim, M.M.M.** 2004. Effect of grid subdivision on AGNPS simulations in a tropical watershed, Agricultural Engineering, The Journal of the Agricultural Engineering Society of Sri Lanka, 8: 49 - 56.
 11. M. Aminul Haque, T.S. Lee, **M.M.M. Najim**, and T.A. Mohammed. 2004. Water allocation modeling for Besut rice irrigation scheme in Malaysia, Journal of the Agricultural Engineering Society of Sri Lanka, 8: 1 - 8.
 12. **Najim, M.M.M**, Aminul, M.H. and. Lee, T.S. 2003. Paddy estate water management decision support system (DSS), Journal of South Pacific Agriculture, 10: 10 – 16.
 13. Aminul, M.H. **Najim, M.M.M** and. Lee, T.S. 2002. Decision support tool for pre-saturation water management under gravity irrigation, Journal of South Pacific Agriculture, 9: 46 – 52.