

CURRICULUM VITAE

Prof. M.I.M. Mowjood
Professor of Agricultural Engineering

**B.Sc. Agric. (Peradeniya), M.Sc. (Yamagata, Japan),
Ph.D. (Iwate, Japan)**

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Google Scholar: <https://scholar.google.com/citations?user=1NTz6SgAAAAJ&hl=en>

Publons: <https://publons.com/researcher/3296246/mim-mowjood/publications/>

PERSONAL INFORMATION

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Address (Office)	Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya. Sri Lanka
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EDUCATION

Bachelor	Bachelor of Science in Agriculture (B.Sc. Agric. Hons, Second Class Upper.) - 1991, Faculty of Agriculture, University of Peradeniya, Peradeniya. Sri Lanka.
Master	Master of Science (M.Sc.) in Agriculture, Bio-Environment - 1997, The Graduate School of Agriculture, Yamagata University, Tsuruoka, Yamagata, Japan
Doctoral	PhD Biotic Environment (Regional Resources Engineering), - 2000, The United Graduate School of Agricultural Sciences, Iwate University, Iwate, Japan

TEACHING (Since 2000)

Undergraduate	<ul style="list-style-type: none">• Fluid Mechanics and Irrigation principles• Land & Water Resources Engineering• Advanced Land & Water Resources Engineering• Irrigation Systems Design and Management• Engineering Mathematics
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- Environmental Hydrology
- Paddy Field Engineering
- Engineering Design Philosophy

Postgraduate

- Hydrology and Meteorology
- Water quality for Agriculture and Environment
- Environmental Pollution control Engineering
- Bioreactor & Bio-environment Design & control Systems
- Environmental Monitoring

RESEARCH WORKS

Research interest

- Water pollution and its control through bioremediation
- Water Resourced Management
- Ecosystem enhancement for sustainable food production
- Ecological Agriculture

Research projects (Presently engaged)

- APN Project - Integrated assessment of existing practices and development of pathways for the effective integration of nature-based water treatment in urban areas in Sri Lanka, the Philippines and Vietnam
- IDRC - South Asian Water Fellowships plus research project: Climate change adaptation, water and food security: Processes, functions and services affected by the climate change in agricultural systems particularly in paddy cultivation

AWARDS & SCHOLARSHIPS

Tier 4* Research Award - 2021

For Excellent research contribution based on the transparent research performance scheme stipulated in the UGC circular 05/2018

SUSRED Award-2017a

National Science Foundation (NSF)
MPhil research title: Impact of Rainfall Variability on Soil Organic Matter and Nitrogen in Lowland Paddy Field: A case study in *Bayawa* Minor Irrigation System, PGIA, University of Peradeniya.

SUSRED Award-2017b

National Science Foundation (NSF), Sri Lanka
MPhil research title: Identification and assessment of technical and socio-economic aspects in cultivating Other Field Crops(OFC)in Bayawa minor irrigation system

**NRC Merit Award-2016
President's Award 2008**

National Research Council (NRC) Merit Award for Scientific Publication – 2013.
Scientific Publication- 2008

NRC Merit Award-2016

National Research Council (NRC) Merit Award for Scientific Publication – 2016.
Clean- Soil Air Water 2016, Vol 44 Iss 8 pp 938-948, Journal of the Air & Waste Management Association 2016, Vol 66, Iss 12, pp 1257-1267.

SUSRED Award-2013

National Science Foundation (NSF) Award under Support Scheme for Supervision of Research Degrees (SUSRED) - 2013 as a principal supervisor of a MPhil research degree; Title of Pollution mitigation in landfill sites: Removal of heavy metals using locally available filter materials, PGIA, University of Peradeniya.

WORK EXPERIENCES, CONSULTANCIES AND VOLUNTEERED POSITIONS

Head	Head, Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka, 10/2015 – 10/2018
Senior Professor (Chair)	Professor of Agricultural Engineering, Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, 2 nd July 2020 to date
Professor (Chair)	Professor of Agricultural Engineering, Department of Agricultural Engineering, Faculty of Agriculture, University of Peradeniya, 26 th November 2016 to 1 st July 2020
Professor	Professor in Biosystems Engineering on merit: 2 nd July 2012 to 25 th November 2016
Visiting lecturer	Board of Study in Agricultural Engineering, Postgraduate Institute of Agriculture (PGIA), University of Peradeniya, Peradeniya
Council Member	Member of the Council of the South Eastern University of Sri Lanka(SEUSL) from 20 th April 2018 for a period of 3 years.
Member	Member of the Board of Management, Postgraduate Institute of Agriculture 2022 to date
Served as resource persons	<ol style="list-style-type: none">1) e-Learning Course on Waste Management in Agribusiness, Organized and conducted by Asian Productivity Organization (APO),Japan Session 1: 27-30 November 2018 (four days) and Session 2: 11-14 December 2018 (four days)2) International Training programme (3 Modules out of 11 modules) on “Managing Water pollution” on 2nd – 6th May 2010 in Marawila, organized by UNEP (United Nations Environment Programme), UNEP-DHI centre for water and Environment , Netherland, Cap-Net and Cap-Net Lanka (PGIA) (Module 2: Pollution Management as part of IWRM, Module 6: Water quality management: Objectives and Standards and Module 8: Working with Stakeholders)

SCIENTIFIC COMMUNICATIONS

Book Chapters	Mowjood, M.I.M., K.B.S.N. Jinadasa and B.F.A. Basnayake (2020), Chapter 9. Paddy Field and Constructed Wetland: The Equivalencies. In Agricultural Research for Sustainable Food Systems in Sri Lanka: Volume 2: A Pursuit for Advancements. Ed. by Ranjith Premalal De Silva , Gamini Pushpakumara , Pahan Prasada and Jeevika Weerahewa, Publisher Springer Verlag, Singapore, ISBN10 9811536724.
Publications (Refereed Journal)	<ol style="list-style-type: none">1) Jegatheesan, V, Nevelina Pachova, Perlie Velasco, M.I.M. Mowjood, S.K. Weragoda, K. B. S N. Jinadasa et al, Co-development of an integrated assessment framework to evaluate the effectiveness and impact of selected nature-based water treatment technologies in Sri Lanka, The Philippines, and Vietnam, (2022) Environmental Quality Management,2) Sumudu Chandrasiri, M.I.M. Mowjood and L.W. Galagedara, (2020), Impacts of rainfall variability on paddy production: A case from Bayawa minor irrigation tank in Sri Lanka Paddy and Water Environment3) Udayagee Kumarasinghe, Y. Sakamoto, T. Saito, M. Nagamori, C. S. Kalpage. G.B. Herath, M.I.M. Mowjood, and Ken Kawamoto, (2018), Effectiveness of Permeable Reactive Barrier (PRB) on heavy metal trap in aquifer at solid waste dumpsite: A simulation study, International Journal of GEOMATE, Nov, 2018, Vol 15, (Issue.51), pp. 225-232.

- 4) Ariyawansa, R. T. K., B. F. A. Basnayake, A. K. Karunaratna, **M. I. M. Mowjood**, (2018) Extension to Michaelis-Menten Kinetics of Single Parameters, *Nature Scientific Reports*, 2018(8): 16586
 - 5) Weerakoon, G.M.P.R., K.B.S.N. Jinadasa, G.B.B. Herath, **M.I.M. Mowjood**, and W.J. Ng (2018) Applicability of constructed wetlands for water quality improvement in a Tea Estate catchment: The Pussellawa case study, *Water* 2018, 10, 332
 - 6) Pradeep Gajanayake, Y.G.D.P. Wijewardana, S.K.D. Wijesinghe, **M.I.M. Mowjood**, L.W. Galagedara (2018) Assessment of the Variability of Soil Properties for OFC Cultivation under Minor Irrigation Systems, *Journal of Agriculture and Sustainability* Volume 11, Number 1, 2018, 11-34
 - 7) Udayagee Kumarasinghe, Y. Inoue, T. Saito, M. Nagamori, Y. Sakamoto, **M.I.M. Mowjood**, and K. Kawamoto (2017) Temporal Variations in Perched Water and Groundwater Qualities at an Open Solid Waste Dumpsite in Sri Lanka, *International Journal of GEOMATE*, Vol.13 (38), pp.01-08.
 - 8) Kumara, G.M.P., Samarakoon, S.M.L.D., Wijewardana, Y.G.D.P., **Mowjood, M.I.M.** and Galagedera, L.W (2017), Evaluation of Paddy Fields System Layout for Other Field Crops (OFC) in s Minor Irrigation System, *Tropical Agricultural Research* Vol. 28(3) :216-226
 - 9) Weerakoon, G.M.P.R., Jinadasa, K.B.S.N., Herath, G.B.B. **Mowjood, M.I.M.**, Dongqing Zhang, Soon Keat Tan and Ng Wun Jern(2016), Performance of Tropical Vertical Subsurface Flow Constructed Wetlands at Different Hydraulic Loading Rates, *Journal of Clean – Soil, Air, Water* 2016, 44 (9999), 1–11
 - 10) Sellathurai, T., Sivananthawerl, T., Galagedara, L.W. and **M I M Mowjood** (2015), Organic Matter Content of a Lowland Paddy Soil as Affected by Plant Growth and Urea Fertilization, *Tropical Agricultural Research* Vol. 26 (2): 415 – 421.
 - 11) Hettige, A.I. and **Mowjood, M.I.M** (2015), Reduction in colour of wastewater from textile industry using biosorbents: Woody saw dusts, *Tropical Agricultural Research* Vol. 26 (4): 666 – 676.
 - 12) Weerakoon, G.M.P.R., Jinadasa, K.B.S.N., Herath, G.B.B. **Mowjood, M.I.M.** and Van Bruggen, J.J.A. (2013) Impact of the hydraulic loading rate on pollutants removal in tropical horizontal subsurface flow constructed wetlands, *Ecological Engineering* *Ecological Engineering* 61 (2013) 154– 160
 - 13) Sewwandi, B.G.N., Meththika Vithanage, Wijesekara S.S.R.M.D.H.R., **Mowjood, M.I.M.**, Shoichiro Hamamoto and Ken Kawamoto (2013), Adsorption of Cd(II) and Pb(II) onto Humic Acid Treated Coconut (Cocos nucifera) Husk, *ASCE's J. Hazard. Toxic Radioact. Waste*, 18 (2): 1-10. DOI: 10.1061/(ASCE)
 - 14) Sewwandi, B.G.N., Vithanage, M., Wijesekara, S.S.R.M.D.H.R., Rajapaksha, A.U., Jayaratna, D.G.L.M. and **Mowjood, M.I.M.** (2012). Characterization of aqueous Pb(II) and Cd(II) biosorption on native and chemically modified *Alstonia macrophylla* saw dust. *Bioremediation Journal*, 16 (2): 113-124
 - 15) Weragoda, S.K, N. Tanaka, Sewwandi, B. G. N. and **Mowjood M. I. M.** (2010), Efficiency of coconut coir-pith as an alternative substrate in the treatment of submerged macrophyte wetland systems in tropical conditions *Chemistry and Ecology*, 26: 6, 445 — 452.
 - 16) Sewwandhi. B.G.N., Weragoda, S.K., **Mowjood, M.I.M.** and Tanaka, N., Sasikala. S (2010), Effect of Submerged and Floating Plants on Dissolved Oxygen Dynamics and Nitrogen Removal in Constructed Wetlands, *Tropical Agricultural Research* Vol. 21(4) 353 - 360.
 - 17) Sasikala, S. Norio Tanaka, Jinadasa, K. B. S. N., **Mowjood, M. I. M** (2010),
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- Comparison Study of Pulsing and Continuous Flow for Improving Effluent Water Quality and Plant Growth of a Constructed Wetland to Treat Domestic Wastewater, *Tropical Agricultural Research* Vol.21(2) 147 - 156.
- 18) Tanaka N, Nandasena, N.A.K., Jinadasa, K.B.S.N., Sasaki, Y., Tanimoto, K and **Mowjood, M.I.M.** (2009), Developing effective vegetation bioshield for tsunami protection, *Civil Engineering and Environmental Systems* Vol. 26(2), 163-180.
 - 19) Jinadasa, K.B.S.N., Tanaka .N, Sasikala .S, Werellagama, D.R.I.B., **Mowjood, M.I.M.** and Ng, W.J. (2008) Impact of harvesting on constructed wetlands performance – A comparison between *Scirpus grossus* and *Typha angustifolia*, *J. Environ. Sci. Health*,
 - 20) Harsha Walpita, Sashikala, S., Jinadasa, K.B.S.N., Norio Tanaka, **Mowjood, M.I.M** and Werellagama, D.R.I.B., (2006) Application of roughing filter coupled with treatment wetland for wastewater treatment, *Research J. of SLSAJ*; 6: 34 – 40.
 - 21) Norio Tanaka, Jinadasa, K.B.S.N., Werellagama, D.R.I.B., **Mowjood, M.I.M.** and Ng, W.J (2006) Constructed tropical wetlands with intergrated submergent – emergent plants for sustainable water quality management, *J. Environ. Sci. Health, Part A* Vol. A 41. No.10: 2221-2236
 - 22) Jinadasa, K.B.S.N., Norio Tanaka, **Mowjood, M.I.M.** and Werellagama, D.R.I.B. (2006) Effectiveness of *Scirpus grossus* in treatment of domestic wastes in a constructed wetland. *J. Freshwater Eco.* Vol. 21(4): 603 – 612.
 - 23) Jinadasa, K.B.S.N., Norio Tanaka, **Mowjood, M.I.M.** and Werellagama, D.R.I.B. (2006) Free water surface constructed wetlands for domestic wastewater treatment: A tropical case study. *Chemistry and Ecology* Vol(22)3:181-191.
 - 24) **M.I.M. Mowjood**, S. Pathmarajah, M. Rambanda (2005) Effects of cracks on water requirement for land soaking in lowland paddy cultivation, *J. Soil Sci. Soc. Sri Lanka*, Vol (17): 1-10.
 - 25) S. Shashikala, **M.I.M. Mowjood** and B.F.A. Basnayake (2005), Formulation of Harvesting Regimes from Bulrush (*Scirpus Grossus*) Growth Responses to MSW Leachate in Constructed Wetlands with Coir based Media *Tropical Agricultural Research* Vol(17):114 – 124.
 - 26) Bawatharani, T, **M.I.M. Mowjood**, N.D.K. Dayawansa and D. Kumaragamage (2004), Nitrate Leaching as a Function of Fertilization and Irrigation Practices in Sandy Regosols. *Tropical Agricultural Research: Vol(16): 172 – 180.*
 - 27) Jayakody, B.V.P.L, **M.I.M. Mowjood** and E.R.N. Gunawardena (2004), Modifying and Testing of a Cascade Water Balance Model using a Mini Cascade System with two Tanks. *Tropical Agricultural Research: Vol(16): 159 – 171.*
 - 28) Pathirana, J.P.D.A.K, **M.I.M. Mowjood** and B.F.A. Basnayake (2004), Investigation on Phosphate accumulation in Parakrama Samudra and Kalawewa tank. *J. Agric. Eng: Agric. Eng. Society of Sri Lanka: 8(1): 60 – 66.*
 - 29) Sivayoganathan C. and **Mowjood, M.I.M.** (2003) Role of Extension in Irrigation Water Management in Sri Lanka. *Trop. Agri. Res. And Extension*, 6: 49 – 55.
 - 30) Usui Y, **Mowjood, M.I.M.** and Kasubuchi, T. (2003) Absorption and Emission of CO₂ by Poned Water of a Paddy Field. *Soil Sci. Plant Nutri.*, 49(6) : 853 – 857.
 - 31) **Mowjood, M.I.M.** and Kasubuchi, T. (2002) The Effect of Convection on the Exchange Coefficient of Oxygen and Estimation of Net Production Rate of Oxygen in Poned Water of a Paddy Field. *Soil Sci. Plant Nutri.*, 48(5) : 673 – 678.
 - 32) Fujimaki, .Y, **Mowjood, M.I.M.** and Kasubuchi, T. (2000) Measurement of Convective Velocity of Poned Water in a Paddy Field. *Soil Sci.* 165: 404-411.
 - 33) **Mowjood, M.I.M.** and Kasubuchi, T. (1998) Heat and Dissolved Oxygen (DO) Transfer Phenomenon in Poned Paddy Field. *Soil Phys. Cond. Plant Growth, Jpn.*, 79, 41-47.
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- 34) **Mowjood, M.I.M.** and Kasubuchi, T. (1998) Dynamics of Dissolved Oxygen (DO) in the Pondered Water of a Paddy Field. *Soil Sci. Plant Nutri.*, 44(3), 405-413.
- 35) **Mowjood, M.I.M.**, Ishiguro, K., and Kasubuchi, T. (1997) Effect of Convection in Pondered Water on the Thermal Regime of a Paddy Field. *Soil Sci.*162: 583-587.

**Conferences,
Symposiums and
Workshops:**

- 1) Udayagee Kumarasinghe, Y. Sakamoto, T. Saito, M. Nagamori, C. S. Kalpage, G.B. Herath, **M.I.M. Mowjood** and Ken Kawamoto (2017) Simulation of Two-Dimensional Heavy Metal Transport in an Aquifer at Solid Waste Dumpsite: Estimating the Effectiveness of a Permeable Reactive Barrier on Heavy Metal Pollution Control, Seventh International Conference on Geotechnique, Construction Materials and Environment, Mie, Japan, Nov. 21-24, 2017,
- 2) Kumara, G.M.P., Wijesinghe, S.K.D., **Mowjood, M.I.M.** and Galagedera L.W.. (2016), Assessment of suitability of paddy fields in a minor irrigation system for Other Field Crops(OFC) based on soil physical properties, In proceedings of 4th International Symposium on Advances in Civil and Environmental Engineering: Practices for Sustainable Development (ACEPS 2016), March 2016, Galle, Sri Lanka
- 3) Nagamori, M., Udayagee Kumarasinghe, Shakila Hettiarachchi, **M.I.M. Mowjood**, G.B.B. Herath, Y. Isobe, Y. Watanabe, Y. Inoue and Ken Kawamoto (2015) Spatiotemporal variation of water quality around and inside an open solid waste dumpsite in Sri Lanka. In proceedings of the 3rd International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS), 9th March, 2015, Galle, Sri Lanka.
- 4) Sellathurai, T., L. W. Galagedara and **M. I. M. Mowjood** (2015). Characterization of alternative wet and dry spells using rainfall indices: A case study in Awlegama, Kurunagala. In: Symposium proceedings of the water professionals' Day - 2015. Pp 88-94
- 5) Sellathurai, T., S.Kamaleswaran, L.W.Galagedara and **M.I.M.Mowjood** (2015). Impact of alternative wetting and drying on the soil surface organic matter in a lowland paddy field. ICDA 2015, Faculty of Agriculture, University of Jaffna. Pp 44
- 6) Udayagee Kumarasinghe, **M.I.M. Mowjood**, G.B.B. Herath, Masanao Nagamori and Ken Kawamoto (2015) Adsorption characterization of Pb, Cu and Ni and Municipal Solid Waste from an open dumpsite, Sri Lanka. In proceedings of the 3rd International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS), 9th March, 2015, Galle, Sri Lanka.
- 7) Kamaleswaran, S. Udayagee Kumarasinghe, **M.I.M. Mowjood**, G.B.B. Herath, Masanao Nagamori and Ken Kawamoto (2015), Electromagnetic Survey (GEM-2) for Monitoring of Open Dumpsites in Sri Lanka, In proceedings of the 3rd International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS), 9th March, 2015, Galle, Sri Lanka.
- 8) Udayagee Kumarasinghe, **Mowjood M.I.M.**, Shakila Hettiarachchi, G.B.B. Herath, Masanao Nagamori and Ken Kawamoto (2014), Spatial variability of Pb, Cu, Ni and Fe in groundwater and identification of contaminant plume in an open landfill: A case study in Udapalatha PS, Central Province, Sri Lanka, In proceedings: 5th International Conference on Sustainable Built Environment 2014, 12 – 15, December 2014, Kandy, Sri Lanka
- 9) Kumara, G.M.P., Perera, A.C.S., Pelpitiya, I.P.S.K., Dayawansa, N.D.K. and **Mowjood, M.I.M.** (2014), Dynamics of urbanization and its impact on hydrology:

A case study of Meda-Ela urban stream in Kandy, Sri Lanka, In proceedings: 5th International Conference on Sustainable Built Environment 2014, 12 – 15, December 2014, Kandy, Sri Lanka

- 10) **Mowjood, M.I.M.**, Galagedera L.W. and S.P.P. Najila Gayani (2014), Small Concentric Constructed Wetland for Treatment of Domestic Wastewater in Tea Estate in Sri Lanka, International Conference on Agricultural Engineering: New Technologies for Sustainable Agricultural Production and Food Security, Eds Y.A. Al Mulla, M. Ahmed and H. Jayasuriya, Acta Hort. 1054, ISHS 2014, 175 – 182.
- 11) Nagamori, M, Isobe Y, Watanabe Y, Wijewardena N.K, **Mowjood M.I.M.**, Koide.T and Kawamoto, K, (2013) Characterization of major and trace components in gases generated from municipal solid waste landfills in Sri Lanka Clustering open dumpsites in Sri Lanka based on waste characteristics. In proceedings: 14th International Waste Management and Landfill Symposium, 30 September - 4, October, 2013, Sardinia, Italy.
- 12) **Mowjood, M.I.M.**, Pathmarajah.S. and Kasubuchi, T. (2012) Effect of multiple weeding on plant growth in non-chemical rice farming under tropical conditions”. workshop on Sustainable Rice Production (System Rice Intensification) held on 6-7 March 2012 in Bali, Indonesia
- 13) Weerakoon, G. M. P. R., **Mowjood, M. I. M.**, Herath, G. B. B. and Jinadasa K. B. S. N., (2011), A comparison of Vertical Sub-surface flow and Horizontal Sub-surface flow Constructed Wetland Mesocosms in Tropics. Proceedings of the SAITM (South Asian Institute of Technology and Medicine) Research Symposium on Engineering Advancements – 2011, 27th & 28th May 2011, Malabe, Sri Lanka. pp: 59-63
- 14) Weerakoon, G. M. P. R., Pratheep, S.D., **Mowjood, M. I. M.**, Herath, G. B. B. and Jinadasa K. B. S. N., (2011), Performance Comparison of Tropical Constructed Wetlands subject to variable Hydraulic Loading rates. Annual Transactions of IESL, Volume I-Part B, Technical papers pp: 256-263.
- 15) Sasitharan, R., Weerakoon, G. M. P. R., Jinadasa K. B. S. N. and **Mowjood, M. I. M.**, (2011). An approach for small community wastewater Management using Constructed wetlands, IESL-SSMS Joint International Symposium on Social Management Systems 2011, September 14, 15 and 16, 2011, Colombo, Sri Lanka: pp 294-301.
- 16) Sewwandi, B. G. N., Wijesekara, S. S. R. M. D. H. R., Rajapaksha, A. , **Mowjood, M. I. M** and Vithanage, M. (2011). Risk of Soil and Water Pollution by Heavy Metals in Landfill Leachate. In Proc. International Conference on Agricultural Engineering “Novelty, Clean and Sustainable”. Thailand, 31st March-1st April 2011: pp 43.
- 17) Weragoda S.K., Norio Tanaka, M.I.M. Mowjood, K.S.B.N. Jinadasa (2010) Application of Floating Wetlands at Tropical context for Lake water reclamation, Proceedings in an International Conference on Sustainable Built Environments, Special Session: Natural Systems to Control “Water Resources Pollution” and “Water Hazards” 13-14. December, 2010. Kandy, Sri Lanka pp: 58-64
- 18) Weerakoon, G. M. P. R., Mowjood, M. I. M., Herath, G. B. B. and Jinadasa K. B. S. N., (2010), Performance Comparison of Subsurface Flow and Surface Flow Constructed Wetlands in Tropics. Proceedings of the 13th Asian Congress of Fluid Mechanics, 17-21st December, 2010, Dhaka, Bangladesh.
- 19) Herath, H.M.D.D, **Mowjood, M.I.M.**, and Sivananthawerl, T. (2010) Development of an index to access accessibility to safe drinking water in dry zone of Sri Lanka: A case study in Medirigiriya DS division. National Symposium Proceedings of Water Professionals’ Day. Postgraduate Institute of Agriculture and Geo-Informatics

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- Society of Sri Lanka (GISSL). 1st October 2010, University of Peradeniya, Peradeniya, 71-82.
- 20) Bawatharani, T. **Mowjood, M.I.M.**, Dayawmnsa, N.D.K. and Kumaragamage, D., (2009) Application of LEACHM-N for predicting nitrate leaching in sandy Regosols in Batticaloa. National Symposium Proceedings of Water Professionals' Day. Geo-Informatics Society of Sri Lanka (GISSL) and Cap-Net Lanka. 1st October 2009, University of Peradeniya, Peradeniya.
 - 21) Sewwandhi. B.G.N., Weragoda, S.K., **Mowjood, M.I.M.** and Tanaka, N., Sasikala.S (2009) Pre and post anoxic denitrification on nitrogen removal in wetland systems using submerged and floating macrophytes, International Exchange Symposium on Sustainable Infrastructure Development in Asia, 14-15 September, 2009 , University of Ruhuna, Sri Lanka.
 - 22) Ratnapriya E.A.S.K, Ekanayake J.B.C. and **Mowjood M.I.M** (2008) Mitigation of impacts of leachate from solid waste dumping sites using constructed wetlands, International Exchange Symposium between Saitama University, University of Moratuwa and University of Peradeniya on Sustainable Infrastructure Development in Asia, 15-17 September, 2008 , University of Peradeniya, Sri Lanka.
 - 23) Weragoda, S.K, Sewwandi, B.G.N., **Mowjood, M.I.M** and Norio Tanaka, (2008) Effect of coconut coir-pith supplement on enhanced water reclamation water in submerged plant wetlands systems. International Exchange Symposium between Saitama University, University of Moratuwa and University of Peradeniya on Sustainable Infrastructure Development in Asia, 15-17 September, 2008 , University of Peradeniya, Sri Lanka
 - 24) Perera, W.A.R.P, Nawarathna, C. M and **Mowjood, M.I.M** (2008) Water quality improvement through vegetative landscape, Student Session, University of Ruhuna,
 - 25) Jinadasa, K.B.S.N., Norio Tanaka, **Mowjood, M.I.M.**, Werellagama, D.R.I.B. and Karunaratne, A. (2005) Performance comparison of *Typha angustifolia* and *Scirpus grossus* in a tropical free water surface constructed wetland. 5th International Symposium on Wastewater Reclamation and Reuse for Sustainability (WRRS) 2005, IWA specialty conference, November 8-11, 2005, Jeju, Korea, Proc: p-447.
 - 26) Jinadasa, K.B.S.N., Norio Tanaka, **Mowjood, M.I.M.** and Werellagama, D.R.I.B., (2005) Effects of Vegetation on Pollutant Removal in a Constructed Wetland: Potential Applications for Tropical Developing Countries. 1st International Water Association -Asia Pacific Regional Group (IWA-ASPIRE) Conference and Exhibition, (5F-2), 11 - 15 July, 2005, Singapore, CD version.
 - 27) Jinadasa, K.B.S.N., Norio Tanaka, Werellagama, D.R.I.B., **Mowjood, M.I.M.**, and Junki Yagisawa. (2004) Remediation and Rehabilitation of Constructed Wetland. Sixth International Summer Symposium, July 31, 2004, Japan Society of Civil Engineers, Saitama, Japan. Proc: 409 – 412.
 - 28) Najim, M.M.M., Lee, T.S., Aminul Haque, M., **Mowjood, M.I.M.** (2004) Land Preparation Water Management by Canal Simulation in a Paddy Estate in Malaysia. Tenth Asian Congress of Fluid Mechanics, 17 – 21 May 2004, University of Peradeniya, Sri Lanka, Proc: 27-28
 - 29) Bawatharani, T. **Mowjood, M.I.M.** Dayawmnsa, N.D.K. and Kumaragamage, D. (2003) Effect of Irrigation on Nitrate Leaching in Sandy Regosols in Batticaloa. Proceedings of the International Workshop on Environmental Management in North-East of Sri Lanka – December 2003, University of Jaffna, Proc: 55-56
 - 30) **Mowjood, M.I.M.**, Pathmarajah, S. and Rambanda. M. (2003) Effect of Cracks on

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- Water Requirement for Land Soaking in Lowland Paddy Cultivation. Proceedings of the Peradeniya University Research Sessions – October 2003, University of Peradeniya, Peradeniya, Proc: 8: 10
- 31) Senanayake, S.S., Basnayake, B.F.A. and **Mowjood, M.I.M.** (2001) Aerated soaking of paddy for Rice parboiling and its effect on Effluent Kinetics. Annual Research Sessions – November 2001, University of Peradeniya, Peradeniya, Proc: 6: 12
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PROFESSIONAL MEMBERSHIPS

Life member	Agricultural Engineering Society of Sri Lanka (AESSL)
Life member	Soil Science Society of Sri Lanka (SSSSL)
Core group Member	Cap-Net Lanka (Capacity Building Network for Integrated Water Resources Management)



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