
Nanayakkara Wasantha Batadula Arachchige Lahiru Udayanga

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Basic Information

Date of Birth: 16th of December, 1990

Marital Status: Single

NIC No: 903513616 V

Career Objective

To strengthen and broaden the knowledge base, talents and personality, while using my talents, analytical thinking, innovativeness and leadership skills intensively in an effective manner, to actively contribute towards the progression and well-being of science, community and the country, irrespective of the field of research.

Self-Portfolio

A doctoral candidate with a B.Sc. (Special) in Environmental Conservation and Management, seeking to utilize my knowledge-base, skills and innovativeness efficiently towards achievement of organizational goals, (where I'm employed), and well-being of science, community and the motherland, while enjoying subsequent mutual benefits.

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Educational Qualifications

2015 to date: **Doctoral Candidate in Environmental Modelling & Epidemiology, Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya.**
Field of Specialization: Medical Entomology & Geo-Informatics

2010 to 2015: **Bachelor of Science in Environmental Conservation and Management (Special) Degree, Faculty of Science, University of Kelaniya, Sri Lanka.**

First Class Honours (GPA- 3.94 on a scale of 0.00- 4.00)
Gold Medal recipient for the best performance in 2015

Thesis: Development of a Modified Environmental Flow Modelling Approach (MEFMA) for Aththanagalu Oya basin, Sri Lanka.

Supervisor: Prof. M.M.M. Najim, Professor in Department of Zoology and Environment Management, Faculty of Science, University of Kelaniya and Vice-Chancellor, University of South Eastern, Oluvil.

2001 to 2009: **Ananda College (Colombo 10, Sri Lanka)**
G.C.E. Advanced Level: Biology (C), Chemistry (C), Physics (B)
G.C.E. Ordinary Level: 9 (A) s and 1 (B).

Career Experience

2018 to date: Joined the Department of Biosystems Engineering, Faculty of Agriculture & Plantation Management, Wayamba University of Sri Lanka.

2018 to date: Editorial Assistant, Journal of Food and Agriculture, Faculty of Agriculture & Plantation Management, Wayamba University of Sri Lanka.

2018 to date: Lecturer (Probationary) of the Department of Bio-systems Engineering, Faculty of Agriculture & Plantation Management, Wayamba University of Sri Lanka.

2017 to 2018: GIS expert and a member of the Specialist Consultation team for the “Vulnerability Assessment and Adaptation” chapter of the Health Sector in the “**Third National Communication on Climate Change**” compiled by the Ministry of Mahaweli Development and Environment.

2015 to 2018: Research Assistant, Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya.

- January, 2015:** Member of the Organizing committee of the Dengue Awareness Programme, held on 14th of January, 2017 at the Auditorium of the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya.
- November, 2015:** Content designer and administrator of the official website of the
to National Research Council funded Dengue Mega Project (NRC TO 14-
December, 2016 04) launched by the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya.
- November, 2015:** Member of the Organizing committee of the National Workshop on Current Research Activities on Dengue, held on 13th of November, 2015 at the Auditorium of the National Blood Bank, Colombo.
- November, 2015:** Designer & member of the editing panel of the proceedings booklet of the National Workshop on “Current Research Activities on Dengue”, held on 13th of November, 2015 at the Auditorium of the National Blood Bank, Colombo.
- July, 2015:** Member of the Organizing committee of the International Workshop on Molecular Biological Techniques Related to Infectious/Genetic Diseases and Human Identification, held during 6th and 17th of July, 2015 at the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya, Ragama.
- July, 2015:** Designer & member of the editing panel of the proceedings booklet of the International Workshop on Molecular Biological Techniques Related to Infectious/Genetic Diseases and Human Identification, held during 6th and 17th of July, 2015 at the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya, Ragama.

2013 to 2014: Co-Sub Editor of “Cynosure 2013”, the Annual magazine of the Environmental Conservation and Management Society of University of Kelaniya.

August, 2012: Programme Assistant at the International Conference on Environment and Humanity, held during 19th and 20th of August, 2012 at Sri Lanka Foundation, Colombo.

2004: Member of the Organizing committee of the 118th Founders Day competitions organized by the Buddhist Association of Ananda College, Colombo 10.

Teaching Experience

2018 to date: Started undergraduate teaching at the Department of Biosystems Engineering, Faculty of Agriculture & Plantation Management, Wayamba University of Sri Lanka.

January, 2017: Contributed as a resource person in Entomologist Officer training programme conducted at the Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya, Ragama, Sri Lanka, during 18th - 19th of January, 2017.

September, 2016: Contributed as a resource person for the “MedKel 2016” exhibition, where more than 100,000 community participants were educated regarding vector borne diseases, vector ecology and vector controlling activities of dengue conducted at the premises of the Faculty of Medicine, University of Kelaniya, Ragama, Sri Lanka, during 23rd to 29th of September, 2016.

February, 2016: Contributed as a resource person in Entomologist Officer training programme conducted at the Molecular Medicine Unit, Faculty of

Medicine, University of Kelaniya, Ragama, Sri Lanka, on 16th of February, 2016.

Completed Courses/ Attended Workshops & Other Qualifications

- January, 2019:** Successfully completed the Certificate Course on Staff Development (10th intake - 2018) conducted by Staff Development Centre, Wayamba University of Sri Lanka.
- March, 2018:** Successfully completed a six-day workshop on "Capacity Building on Gender", organized by the University Grants Commission, on 11th and 16th of March, 2018.
- December, 2017:** Successfully completed a four-day training on "Greenhouse Gas Inventory Development & Other Components of National Communications on Climate Change", organized by the Climate Change Secretariat, Ministry of Environment and Mahaweli Development, on 12th and 15th of December, 2017.
- August, 2017:** Successfully completed a two-day training on "Malaria Risk Mapping", organized by the Anti-Malaria Campaign, on 8th and 9th of August, 2017.
- April, 2017:** Successfully completed a two-day workshop on "Watershed and River Flow Modeling using HEC-HMS and HEC-RAS", organized by the Sri Lankan Association for Advancement of Science, on 24th and 25th of April, 2017.
- December, 2016:** Successfully completed a One-Day Workshop on Artificial Neural Network Modelling, organized by the Department of Statistics & Computer Science, Faculty of Science, University of Kelaniya, Sri Lanka, on 1st of December, 2016.

- December, 2016:** Completed a certificate course in Vastu (6 months), conducted by the Department of Sanskrit, Faculty of Humanities, University of Kelaniya, Sri Lanka.
- November, 2016:** Successfully completed a One-Day Workshop on Biological Modelling, organized by the Department of Statistics & Computer Science, Faculty of Science, University of Kelaniya, Sri Lanka, on 30th of November, 2016.
- May, 2016:** Successfully completed the International Workshop on Advanced Mosquito Entomology, organized by Molecular Medicine Unit, Faculty of Medicine, University of Kelaniya, Ragama, Sri Lanka, during 2nd to 8th of May, 2016.
- April, 2016:** Successfully completed a workshop in “Loading, Coding and Quoting: Using Literature Reviews to learn the basic functions of Atlas.ti” organized by the Department of Medical Education, Faculty of Medicine, University of Kelaniya, on 6th of April, 2016.
- January, 2016:** Successfully completed a workshop on Scientific Writing organized by the Department of Public Health, Faculty of Medicine, University of Kelaniya, Ragama.
- December, 2015:** Successfully completed the following course modules conducted by the Faculty of Graduate Studies, University of Kelaniya.
- Information Literacy
 - Research Methodology and Scientific Writing
 - Statistical Analysis and Interpretation of Results
- October, 2014:** Successfully completed a training Programme on Environmental Management Systems (EMS) organized by Management System Users and

Promoters Association for Sustainability and Environmental Conservation and Management Alumni Association, on 11th and 12th of October, 2014.

November, 2014: Successfully completed a workshop on Identifying & Conducting Outreach Activities to Enhance Soft Skills of Environmental Conservation and Management Graduates organized by the Department of Zoology and Environmental Management, Faculty of Science, University of Kelaniya, on 13th of November, 2014.

November, 2014: Contributed to the conduction of Sri Lankan Biology Olympiad 2014 as a voluntary member.

June, 2007: Successfully completed a diploma in 3D animation and video editing conducted by the NCCS Computer Systems (Pvt) Ltd. in 2007.

2006 to 2007: Passed “Dharmacharya” examination with 4 Distinction passes (D) and 1 Credit pass (C).

2004: Passed the Theory of Music (Grade 2) examination conducted by the Associated Board of the Royal Schools of Music with distinction, in 2004.

2004: Passed the Theory of Music (Grade 1) examination conducted by the Associated Board of the Royal Schools of Music with distinction, in 2004.

November, 2003: Successfully completed a certificate course in computer studies (intermediate Level) conducted by the Technical Engineering College (TEC) Sri Lanka in 2003.

November, 2003: Successfully completed a certificate course in computer studies (Intermediate Level) conducted by the Technical Engineering College (TEC) Sri Lanka in 2003.

August, 2002: Successfully completed a certificate course in computer studies (Basic Level) conducted by the Technical Engineering College (TEC) Sri Lanka in 2002.

August, 2001: Successfully completed a certificate course in computer literacy conducted by the Technical Engineering College (TEC) Sri Lanka in 2001.

Awards/ Medals/Scholarships

January, 2019: Certificate for best performer of the Certificate Course on Staff Development (10th intake - 2018) conducted by Staff Development Centre, Wayamba University of Sri Lanka.

January, 2019: Certificate for best presenter under “Section A: Health Sciences” session in the 74th Annual Sessions of the Sri Lankan Association for Advancement of Science (SLAAS), Sri Lanka.

December, 2017: Certificate for best presenter under “Section A: Health Sciences” session in the 73rd Annual Sessions of the Sri Lankan Association for Advancement of Science (SLAAS), Sri Lanka.

February, 2015: Gold medal recipient for the best performance in Environmental Conservation and Management (2015), Alumni Association of Faculty of Science, University of Kelaniya, Sri Lanka.

February, 2015: Post-Graduate research scholarship under the National Research Council funded Dengue Mega Project (NRC TO 14-04) for a Ph.D.

January, 2015: Certificate for best presenter under “Climate Change and Environmental Management” session in the Undergraduate Research Symposium for

Environment Conservation and Management, 29th of January, 2015,
University of Kelaniya, Sri Lanka.

2005: Certificate for excellent academic performances at the year-end examination in 2005, of the Ananada College, Colombo 10 in 2005.

2004: Subject Prize for the best performance for Tamil of the section, at the Annual Prize Giving of the Ananada College, Colombo 10 in 2004.

Extra-Curricular Activities

Leaderships Held

2015 to date: Committee member of the Alumni Association of Environmental Conservation and Management.

2013 to 2014: Committee member of the Nature Club, University of Kelaniya in the academic year.

2008 to 2009: Traffic Sargent of the Traffic Unit, Ananda College, Colombo 10.

2008 to 2009: A Leader of the biology section of Ananda College, Colombo 10.

2007 to 2008: President of the Traffic Unit, Ananda College, Colombo 10.

2007 to 2009: An active member of the Bio Club of Ananda College, Colombo 10.

2007 to 2009: An active member of the Science Union of Ananda College, Colombo 10.

2007 to 2009: An active member of the Physics club of Ananda College, Colombo 10.

2005 to 2007: A Leader of the grade 10 & 11 sections of Ananda College, Colombo 10.

2002 to 2003: Class representative of the Buddhist Association of the Ananda College, Colombo 10.

Sports

- 2011 to 2012:** University colours for Wrestling from the University of Kelaniya.
- 2011 to 2012:** Won the first place in the Inter-Faculty Wrestling tournament in the academic year of 2010/2011 at the University of Kelaniya.
- 2010 to 2011:** University colours for Rugger from the University of Kelaniya
- 2011 to 2013:** Permanent member of the Wrestling team, University of Kelaniya.
- 2010 to 2013:** Permanent member of the Rugger team, University of Kelaniya.
- 2003:** Member of the Rugger team (Under Thirteen) of Ananda College that won the Runners-Up title of Plate Level in all island school rugger tournaments.

Research Experience and Interests

- ✓ Environmental Modelling [Hydrologic Modelling, Environmental Flow (E-flow) Estimation and Modelling]
- ✓ Geographical Information Systems (GIS) and Remote Sensing
- ✓ Medical Entomology
- ✓ Health Informatics
- ✓ Environmental Monitoring and Impact Assessment
- ✓ Biological Statistics
- ✓ Aquatic Ecology [Monitoring and Assessment of Freshwater systems, Hydro-climatology and sediment transport]
- ✓ Climatology
- ✓ Application of Traditional Knowledge for Environmental Conservation

Scientific Communications

Full papers in Peer Reviewed International Journals

1. P.A.D.H. N. Gunathilaka, H. Udawala, **N.W.B.A.L. Udayanga**, R.M.T.B. Ranathunge, L.D. Amarasinghe, W. Abeyewickreme, 2017. Determination of the Efficiency of Diets for

Larval Development in Mass Rearing *Aedes albopictus* (Diptera: Culicidae). *Bulletins of Entomological Research*. 108(5): 583-592.

2. Gunathilaka, N., Ranathunge, T., **Udayanga, L.** and Abeyewickreme W., 2017. Efficacy of blood sources and artificial blood feeding methods in mass rearing of *Aedes aegypti* (Diptera; Culicidae) for Sterile Insect Technology and Incompatible Insect applications. *BioMed Research International*.
3. Gunathilaka, N., Ranathunge, T., **Udayanga, L.**, Wijegunawardana, A. and Abeyewickreme W., 2017. Evaluation of the oviposition behaviour of *Aedes aegypti* and *Aedes albopictus* mosquitoes in laboratory settings. *Bulletins of Entomological Research*: 1-9. doi:10.1017/S0007485317000955
4. **Udayanga, L.**, Gunathilaka, N., Iqbal, M., Lakmal, K., Amarasinghe, U.S. and Abeyewickreme W., 2018. Comprehensive evaluation of demographic, socio-economic and other associated risk factors affecting the occurrence of dengue incidence among Colombo and Kandy Districts of Sri Lanka: A cross sectional study. *Parasites & Vectors* 11(1): 478.
5. **Udayanga, L.**, Gunathilaka, N., Iqbal, M., Kusumawathie, P., Najim, M.M.M., and Abeyewickreme W., 2018. Empirical modelling of dengue incidence and an approach to diminish disease transmission based on larval indices of *Aedes* mosquitoes in Kandy District of Sri Lanka. *Parasites & Vectors*: 11(1): 368.
6. **Udayanga, L.**, Gunathilaka, N., Iqbal, M., Kusumawathie, P., Amarasinghe, U.S. and Abeyewickreme W., 2018. Socio-economic, Knowledge Attitude Practices (KAP), household related and demographic based appearance of non-dengue infected individuals in high dengue risk areas of Kandy District, Sri Lanka. *BMC Infectious Diseases* 18 (88).

7. Gunathilaka, N., Niroshana, D., Amerasinghe, L.D., **Udayanga, L.**, 2018. Prevalence of gastrointestinal parasitic infections and assessment of deworming program among cattle and buffaloes in Gampaha District, Sri Lanka. BioMed Research International.
8. Samanmali, C., **Udayanga, L.**, Ranathunge, T., Perera, S.J., Hapugoda, M. and Weliwitiya, C., 2018. Larvicidal Potential of Five Selected Dragonfly Nymphs in Sri Lanka over *Aedes aegypti* (Linnaeus) Larvae under Laboratory Settings. BioMed Research International, 2018.
9. Gunathilaka, N., Ranathunge, T., **Udayanga, L.** Dilushika W.A.P., Wijegunawardana, A. and Abeyewickreme W., 2019. Use of mechanical and behavioural methods to eliminate female *Aedes aegypti* and *Aedes albopictus* for sterile insect technique and incompatible insect technique applications. Parasites & vectors, 12(1):148.
10. **Udayanga, L.**, Ranathunge, T., Iqbal, M.C.M., Abeyewickreme, W. and Hapugoda, M., 2019. Predatory efficacy of five locally available copepods on *Aedes* larvae under laboratory settings: An approach towards bio-control of dengue in Sri Lanka. PloS one, 14(5), p.e0216140.
11. Radhika, N.M.L., Gunathilaka, N., **Udayanga, L.**, Kasturiratne, A. and Abeyewickreme, W., 2019. Level of Awareness of Dengue Disease among School Children in Gampaha District, Sri Lanka, and Effect of School-Based Health Education Programmes on Improving Knowledge and Practices. BioMed Research International, 2019.
12. Gunathilaka, N., Chandrasena, N. and **Udayanga, L.**, 2019. Prevalence of Ectoparasitic Infections and Other Dermatological Infections and Their Associated Factors among School Children in Gampaha District, Sri Lanka. Canadian Journal of Infectious Diseases and Medical Microbiology, 2019.
13. Wijegunawardana, N.D.A.D., Gunawardene, Y.I.N., Chandrasena, T.G.A.N., Dassanayake, R.S., **Udayanga, N.W.B.A.L.** and Abeyewickreme, W., 2019. Evaluation

of the Effects of *Aedes* Vector Indices and Climatic Factors on Dengue Incidence in Gampaha District, Sri Lanka. BioMed research international, 2019.

Peer Reviewed Full papers

1. **Udayanga, N.W.B.A.L** and Najim, M.M.M., 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. IN: Water Professional's Day- October 01, 2013, Geo-Informatics Society of Sri Lanka, Peradeniya, Sri Lanka. pp. 51-62.
2. Halwatura, D., Najim, M.M.M. and **Udayanga, N.W.B.A.L.**, 2013, Impacts of Urban Water Management in Attanagalu Oya Basin. IN: Special session on Urban Water Environment Monitoring & Management, 4th International Conference on Structural Engineering and Construction Management, 2013, Kandy, Sri Lanka. pp. 134-145.
3. **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.
4. Rushnee, R.M., **Udayanga N.W.B.A.L.**, Chamara A.H.M.N., and Herath H.M.L.K., 2018. Farmers Willingness towards Organic Vegetable Production: A Case Study from Anuradhapura District IN: Proceedings of the 17th Agricultural Research Symposium, Faculty of Agriculture, Wayamba University of Sri Lanka.
5. Tarsha, K, D.B.N., Chamara A.H.M.N., **Udayanga N.W.B.A.L.**, Sumanaratne, L.E.M.C.S., and Herath H.M.L.K., 2018. Determining Quality of Edible Salt in Sri Lanka Based on Consumers Perspectives. IN: Proceedings of the 17th Agricultural Research Symposium, Faculty of Agriculture, Wayamba University of Sri Lanka.
6. Gunawardhane, L.A.S.I., Patjhiraja, P.M.E.K, **Udayanga, N.W.B.A.L.**, and Gajanayake, B., 2018. Vulnerability of Coconut Small Holders to Climate Change in Kurunegala

District. IN: Proceedings of the 17th Agricultural Research Symposium, Faculty of Agriculture, Wayamba University of Sri Lanka.

7. De Mel, M.S.V, **Udayanga, N.W.B.A.L.**, Hapuarachchi, B., Perera, D. and Gajanayake B., 2018. Socio-economic Vulnerability of Two Agricultural Communities to Climate Change: A Case Study in Wanathawilluwa in Puttlam District of Sri Lanka. IN: Proceedings of the 17th Agricultural Research Symposium, Faculty of Agriculture, Wayamba University of Sri Lanka.

Peer Reviewed Extended Abstracts

1. **Udayanga, N.W.B.A.L** and Najim, M.M.M., 2013, Assessment and Comparison of Climatic Patterns in Thanamalvila and Bingiriya (DL_{1b} and IL_{1a}) regions of Sri Lanka. IN: Young Scientists Forum Symposium – 2013, Young Scientists Forum, Colombo, Sri Lanka. pp. 181-184.
2. **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. Geo-Informatics Based Approach for Evaluation of Trends in Dengue Outbreaks within Doluwa Medical Officer of Health (MOH), Central province, Sri Lanka. IN: 5th Young Scientists Forum Symposium – 2016, Young Scientists Forum, Colombo, Sri Lanka. pp. 102 - 105.
3. **Udayanga, N.W.B.A.L.**, Najim, M.M.M. and Kaleel, M.I.M., 2017. Variations in Rainfall Patterns of Batticaloa (DL_{2b}) in Terms of Severity and Frequency of Occurrence of Wet and Dry Events IN: 5th International Conference, SEUARS – 2016 (South Eastern University Arts Research Session 2016), 9th of January, 2017.
4. **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., 2017. Characterization of Dengue Incidence within the Kandy Municipal Council and Gangawata Korale Medical Officer of Health (MOH) areas, Kandy. IN: 2nd National Dengue Mini Symposium, Faculty of Medicine, University of Kelaniya.

Peer Reviewed Abstracts

1. **Udayanga, N.W.B.A.L.** and Najim, M.M.M., 2013, Evaluation of Traditional Plantation Management Techniques with Respect to Modern Concepts of Plantation Management. IN: Eighteenth International Forestry and Environment Symposium-2013. Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka. pp. 75.
2. **Udayanga, N.W.B.A.L.** and Najim, M.M.M., 2013, Evaluation of Traditional “Micro Catchment Management” Practices in Respect with Basic Concepts of Modern Water Resources Management. IN: Eighteenth International Forestry and Environment Symposium-2013. Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka. pp. 107.
3. **Udayanga, N.W.B.A.L.** and Najim, M.M.M., 2013, Severity and Frequency of Occurrence of Wet and Dry Events in the IL_{1a} Intermediate Zone of Sri Lanka. IN: Eighteenth International Forestry and Environment Symposium-2013. Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka. pp. 124.
4. **Udayanga, N.W.B.A.L.** and Najim, M.M.M., 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. IN: International Symposium on ICT for Environmental Sustainability-2014, University of Kelaniya, Kelaniya, Sri Lanka. pp. 15-16.
5. **Udayanga, N.W.B.A.L.** and Kodituwakku, K. A. R. K., 2014, Evaluation Of The Spatial And Temporal Trends In Household Solid Waste Disposal In Sri Lanka With The Use Of Geo-Informatics And Statistical Tools. IN: International Symposium on ICT for Environmental Sustainability-2014, University of Kelaniya, Kelaniya, Sri Lanka. pp. 29-30.

6. **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.
7. **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_{1b} 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.
8. **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, 29th of January, 2015, University of Kelaniya, Sri Lanka. pp. 38.
9. **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, 29th of January, 2015, University of Kelaniya, Sri Lanka. pp. 39.
10. **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, 29th of January, 2015, University of Kelaniya, Sri Lanka. pp. 37.
11. **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

21st Annual Scientific Sessions of Sri Lanka Association for Fisheries and Aquatic Resources - 2015, 22nd of May, 2015, Colombo, Sri Lanka.

- 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, 11th & 12th 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, 5th & 6th November 2015, University of Peradeniya, Sri Lanka. pp. 205.
- 14. Udayanga, N.W.B.A.L** and Najim, M.M.M., 2015. Evaluation of the Status in Environmental Flow Maintainance at Mangalathiriya Anicut in Aththanagalu Oya, Sri Lanka. IN: Proceedings of iPURSE – 2015, 5th & 6th November 2015, University of Peradeniya, Sri Lanka. pp. 24.
- 15. 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 in Dengue Incidence in Colombo and Kandy Districts, Sri Lanka. IN: Proceedings of the National Workshop on “Current Research Activities on Dengue”, 13th of November, 2015, Auditorium of the National Blood Bank, Colombo. pp. 22 -23.
- 16. 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, 3rd of December, 2015, University of Sri Jayawardnapura, Sri Lanka. pp. 7.

- 17. 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, 2nd of December, 2015, University of Sri Jayawardnapura, Sri Lanka. pp. 12.
- 18. Udayanga, N.W.B.A.L.,** Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., Kusumawathie, P.H.D. and Abeyewickreme, W. 2015. Emerging Spatio-Temporal Trends in Dengue Incidence in Poojapitiya Medical Officer of Health (MOH), Central province, Sri Lanka. IN: International Postgraduate Research Conference-2015, 10th of December, 2015, Faculty of Graduate Studies, University of Kelaniya, Kelaniya, Sri Lanka. pp. 140.
- 19. Udayanga, N.W.B.A.L.,** Gunathilaka, P.A.D.H.N., Iqbal, M.C.M., and Abeyewickreme, W., 2015. Emerging Trends in Dengue Incidence in Kundasale Medical Officer of Health (MOH), Central province, Sri Lanka. IN: Biennial Research Symposium of Industrial Technology Institute - 2015, Industrial Technology Institute (ITI), Colombo, Sri Lanka. pp. 38.
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Memberships in Professional Societies

- Life Member of the Sri Lanka Association for the Advancement of Science (SLASS)
- Member of the Young Scientists Forum, Sri Lanka (YSF)
- Committee member of the Alumni Association of Environmental Conservation and Management.

Language Competence

- Fluent in English, Sinhalese and Tamil Languages (Spoken and Written)
- Passed Official Language Proficiency exam for Tamil (level 3) with a Distinction pass (D) in 2010.
- Passed basic level of communicative and speech Tamil offered by the Department of Official Language, with a Distinction pass (D) in 2010.

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