



Mr. Amarasingam Narmilan
Lecturer
Department of Biosystems Technology
Faculty of Technology
South Eastern University of Sri Lanka.

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CAREER OBJECTIVE: To get a challenging position of lecturer in which I can utilize my knowledge and experience and make the bright career of students.

QUALIFICATION

1. Academic Qualification

a. Postgraduate Qualification

- Course : Master of Science in Agriculture
- Institution : Eastern University, Sri Lanka (EUSL)
- Medium : English
- Specialization : Agricultural Engineering

b. Undergraduate Qualification

Internal

- Course : Bachelor of Science in Agricultural Science
- Institution : Eastern University, Sri Lanka (EUSL)
- Duration : 04 Years (2010 to 2015)
- Medium : English
- Specialization : Agricultural Engineering
- Class Obtained : First Class

External

- Course : Bachelor of Information Technology (BIT)
- Institution : University of Colombo School of Computing (UCSC)
- Duration : 03 Years (2012 to 2015)
- Medium : English

2. Educational Qualification

G.C.E A/L Examination Result

- Year : December, 2009
- School : BT/ST. Michael College
- Index Number : 3216551

| Subject | Grade |
|---------------------|-------|
| Chemistry | B |
| Physics | C |
| Biology | S |
| Common General Test | 67 |

G.C.E O/L Examination Result

- Year : December 2005
- School : BT/Chenkalady Central College
- Index Number : 54633168

| Subject | Grade |
|-------------------------------|-------|
| Tamil Language and Literature | A |
| Mathematics | A |
| Social Studies and History | A |
| Religion (Hindu) | A |
| Health and physical Education | A |
| Science and Technology | B |
| English Language | B |
| Agriculture | B |
| Development Studies | B |
| Tamil Literature | C |

WORK EXPERIENCE

| Position | Organization | Period |
|------------------------------|--|----------------------------|
| Lecturer (Probationary) | Department of Biosystems Technology, Faculty of Technology, South Eastern University of Sri Lanka. | 01.11.2017 to Present |
| Temporary Assistant Lecturer | Department of Biosystems Technology, Faculty of Technology, South Eastern University of Sri Lanka. | 01.01.2017 to 30.10.2017 |
| Temporary Instructor | Department of Biosystems Technology Faculty of Technology, South Eastern University of Sri Lanka | 13.07.2016 to 30. 12. 2016 |
| Temporary Assistant Lecturer | Department of Agricultural Engineering Faculty of Agriculture, Eastern University, Sri Lanka | 01.01.2016 to 12.07.2016 |
| Volunteer Teacher | Guide Notion Campus, Chenkalady, Batticaloa. | 2013 to 2017 |

AWARD: Kannappan Namasivayam Memorial Award-2016 for the **overall best performance** in the Bachelor of Science in Agriculture Degree Programme (2009/2010 Batch)

COURSE FOLLOWED

1. Successfully completed the Higher Diploma in Information Technology (University of Colombo School of Computing: 2014).
2. Successfully completed the Diploma in Information Technology (University of Colombo School of Computing: 2013).
3. Successfully completed the English Language Level 1 and 2 (Headway School of Language (PVT) LTD)
4. Successfully completed the training on "Operation and Maintenance of Farm Machinery", in FMTC, Anuradhapura, Sri Lanka.

WORKSHOP AND WEBINAR ATTENDED

| No | Name of Workshop or Webinar | Organizer or Resource Person | Year |
|----|--|---|------|
| 1 | Soft Skills program | John Keels Foundation | 2014 |
| 2 | Information literacy programme | SDC, South Eastern University of Sri Lanka | 2016 |
| 3 | Scientific Research: Planning, implementation and Dissemination | General Research Committee (GRC) and Sri Lanka Association for Advancement of Science (SLAAS) | 2016 |
| 4 | Academic Excellence | SDC, South Eastern University of Sri Lanka. Resource person: Prof. M.I.M. Mowjood | 2017 |
| 5 | Transparent Research Performance for Academic Staff | SDC, South Eastern University of Sri Lanka. Resource person: Dr. R. Balasubramani | 2018 |
| 6 | Outcome based education (OBE) and Student-Centered Learning (SCL) for academic staff | SDC, South Eastern University of Sri Lanka. Resource person: Prof. Suki Ekaratne. | 2019 |
| 7 | EndNote Training & Certification Program | Clarivate | 2020 |
| 8 | GIS as an Effective Decision Supporting Tool” | SLAAS and GIS Solutions (Pvt) Limited | 2020 |
| 9 | Creating a Smart Learning Environment | International Institute of Health Science | 2020 |
| 10 | Use of Technology in Education | International Institute of Health Science | 2020 |
| 11 | How to Publish with Oxford Journals | Oxford University Press | 2020 |
| 12 | Framing a Literature Review | Research Center for Social Sciences and Humanities, SEUSL | 2020 |
| 13 | Writing High Impact Research Papers | Library, Uva Wellassa University, Sri Lanka | 2020 |
| 14 | Online Teaching & Learning Process: | Library, Uva Wellassa University, Sri Lanka | 2020 |

RESEARCH INTERESTS

- Precision Agriculture
- Biosystems Engineering
- Irrigation and Water Management
- Environmental Management
- Meteorology
- Socio Economy

RESEARCH PAPER REVIEWED

- Reviewed a paper of “Temporal Variation of Reference Evapotranspiration in Lower River Kaduna Catchment Area, Nigeria” from Archives of Current Research International in science domain international (www.sciencedomain.org).

MEMBERSHIP IN PROFESSIONAL BODIES

1. The Computer Society of Sri Lanka (CSSL) from 2020
2. The National Science Foundation (NSF) from 2020
3. AG Institute of Australia from 2020

RESEARCH AND PUBLICATIONS

| Peer Review Journals | Full paper proceedings | Extended Abstract proceeding | Abstract proceeding |
|----------------------|------------------------|------------------------------|---------------------|
| 12 | 10 | 01 | 03 |

a) Published Research Paper

Peer Review Journals

1. **Narmilan, A** and Amuthenie, S. (2015). Demand for Organic food Products in the urban areas of the Batticaloa District, Sri Lanka Res. J. Agriculture & Forestry Sci., 3(11), 21-26.
2. Sugirtharan, M., **Narmilan, A.**, Dasinaa, S., Amuthenie, S. (2016). Assessment of water availability and personal hygiene in the Vavunatheevu area of Batticaloa District: A Base line study Scholars Journal of Arts, Humanities and Social Sciences, 2016; 4(3A):242-248.
3. **Narmilan, A.** (2016). Web Based Agricultural Meteorology and Crop Evapotranspiration System. Journal of Information Systems & Information Technology (JISIT). Vol. 1: 33-47.
4. **Narmilan, A.** (2017). E-Agricultural Concepts for Improving Productivity: A Review. Scholars Journal of Engineering and Technology (SJET) ISSN 2321-435X (Online). Sch. J. Eng. Tech., 2017; 5(1):11-17. DOI: 10.21276/sjet.2017.5.1.3.
5. **Narmilan, A.**, S. Puvanitha. (2020). The Effect of Different Planting Methods on Growth and Yield of Selected of Cassava (*Manihot esculenta*) Cultivars. Agricultural Science Digest.
6. **Narmilan, A.**, S. Puvanitha. (2020). Mitigation Techniques for Agricultural Pollution by Precision Technologies with a Focus on the Internet of Things (IoTs): A Review. Agricultural Review.
7. **Narmilan, A.**, Niroash, G., & Sumangala, K. (2020). Assessment on Consequences and Benefits of the Smart Farming Techniques in Batticaloa District, Sri Lanka. International Journal of Research Publications (IJRP. ORG). 61(1), 11-11.
8. **Narmilan, A.**, & Niroash, G. (2020). Reduction techniques for consequences of climate change by Internet of Things (IoT) with an emphasis on the agricultural production: a review. International Journal of Science, Technology, Engineering and Management-A VTU Publication, 2(3), 6-13.
9. Santhirakumar. S & **Narmilan. A.** (2020). Impact of Environmental Factors on Trend of Milk Production: A Study Based in Batticaloa District, Sri Lanka. Sambodhi Journal. ISSN: 2249-6661. Vol-42, No.-1, January - March (2020).
10. **Narmilan, A.**, G. Niroash, and N. Puvanitha. "Assessment of current status on smart farming technologies in Batticaloa District, Sri Lanka." (2020).
11. **Narmilan, A.**, and M. Sugirtharan. "Application of FAO-CROPWAT Modelling on Estimation of Irrigation Scheduling for Paddy Cultivation in Batticaloa District, Sri Lanka." Agricultural Reviews 42.1 (2021).
12. **Narmilan, A.**, et al. "Domestic water consumption pattern and awareness of urban households." International Journal of Human Capital in Urban Management 6.3 (2021): 225-236.

Full paper proceedings

1. ***Narmilan, A** and Myouramokan, V. 2016. Web based agricultural irrigation scheduling system for Batticaloa district. Proceedings in Computing, 9th International Research Conference-KDU, Sri Lanka.
2. Thivyatharsan, R and **Narmilan, A.** 2016. Assessment of Sub-Leachate Pollution Index (Sub -LPI_{hm}) to Determine the Heavy Metal Pollution Potential of Landfill Leachate at Thiruperunthurai Landfill Site, Batticaloa. 6th International Symposium (IntSym 2016), South Eastern University of Sri Lanka.
3. Sugirtharan, M., Pathmarajah, S., Mowjood, M.I.M and **Narmilan, A.** 2017. Characteristics of Sediments of Batticaloa Lagoon of Sri Lanka during Rainy Season with Special Reference to Texture and Organic Matter. 5th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS-2017).

4. **Narmilan, A** and Puvanitha, S. 2017. Prevalence on Low Birth Weight Babies in Eravur Pattu, Batticaloa District. 6th International Symposium of Sabaragamuwa University of Sri Lanka, (ICSUSL-2017).
5. **Narmilan A** and Puvanitha S. 2017. "Crop Farm baseline Survey in Eravur Pattu of Batticaloa District with Special Reference to Socioeconomic Factors, Cultivation Practices, Extension Services and Constraints" - 10th International Research Conference of KDU.
6. Jayawardena, S P, Sugirtharan, M, **Narmilan, A.** 2017. "Paddy Farmer's Satisfaction and Problems Associated with Mahavilachchiya Tank Irrigation in Anuradhapura District"- Trincomalee International Conference (TRInCo-2017).
7. **Narmilan A** and Puvanitha S. 2017. Pesticides Use in Paddy production with Special Reference to Sammanthurai Divisional Secretariat Area in Ampara District. 7th International Symposium (IntSym 2017), South Eastern University of Sri Lanka.
8. **Narmilan, A.**, 2018. Structural measures for flood risk mitigation in the agricultural field: a review. 6th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS-2018).
9. **Narmilan, A.** and Sugirtharan, M., 2018. Modelling the crop water requirement in Batticaloa district, Sri Lanka: FAO-Cropwat modelling for rice. University of Jaffna.
10. **Narmilan, A.**, Sewwandi, B.G.N. and Puvanitha, S., 2019. Impact of extreme climate on crop production and management techniques in Batticaloa district, Sri Lanka: review on flood and drought. IRENE 2017.

Extended Abstract proceeding

1. Jeevasuluxey J., Thivyatharsan R and **Narmilan A.** (2016). Efficiency of coagulation processes for the treatment of flood affected water with special reference to turbidity and total solids. 2nd National Symposium on Agriculture (NSA 2016), Faculty of Agriculture, Eastern University, Sri Lanka.

Abstract proceeding

1. A Role of Organic Farming for Minimize the Environmental Impacts: A Case Study of Batticaloa District, Sri Lanka by Santhirakumar. S, **Narmilan.** (Journal of Environmental Research and Development-2019).
2. Present Status on the Milk Production with Special References to Influence of Environmental Factors and Management Practices in Cattle and Buffalo Population in Eravur Pattu, Batticaloa District in Sri Lanka by Santhirakumar. S and **Narmilan. A** (8th South Eastern University International Arts Research Symposium-2019 (SEUIARS 2019)).
3. Impact of Environmental Factors on Trend of Milk Production: A Study Based in Batticaloa District, Sri Lanka by Santhirakumar. S and **Narmilan. A** (International Conference on Consortium for Business, Marketing and Management-2020).

b) Accepted Manuscripts

1. Assessment on Impact of COVID-19 Outbreak on the Micro, Small & Medium Enterprises: A SWOT Analysis Tool.
2. The Economic Impact of COVID-19 on the Micro, Small and Medium Enterprise (MSME) Sector in Batticaloa District, Sri Lanka.
3. An Assessment of Farmers' Perception of Paddy Sun Drying Practices in Ampara District, Sri Lanka.

c) Submitted manuscripts

1. The Economic Impact of COVID-19 on the Micro, Small and Medium Enterprise (MSME) Sector in Batticaloa District, Sri Lanka.
2. An Assessment of Farmers' Perception of Paddy Sun Drying Practices in Ampara District, Sri Lanka.

POSTGRADUATE AND UNDERGRADUATE RESEARCH PROJECT

| No | Research Project | Title | Supervisor | Organization |
|----|--------------------------------|--|----------------|---|
| 1 | Post-graduate Research Project | Modelling the Crop Water Requirement and Irrigation Scheduling in Batticaloa District, Sri Lanka: Fao-Cropwat Modelling for Rice | M. Sugirtharan | Department of Agricultural Engineering, faculty of Agriculture, Eastern University, Sri Lanka |
| 2 | Undergraduate Research Project | Spatial variation of some cation concentrations, texture and organic matter content of the bottom sediments in Batticaloa lagoon | M. Sugirtharan | Department of Agricultural Engineering, faculty of Agriculture, Eastern University, Sri Lanka |
| 3 | Undergraduate Software Project | Agro Meteorological Indicator | V. Myouramokan | University of Colombo School of Computing, Sri Lanka |

UNIVERSITY AND NATIONAL CONTRIBUTIONS

1. Serving as a **Coordinator** of ISO 9000- Quality Management System and 5S implementation at the Faculty of Technology.
2. Serving as a **Mentor** for students in Department of Biosystems Technology.
3. Serving as a **Student Counsellor** for students in Department of Biosystems Technology.
4. Serving as **Department Representative** to the Faculty Curriculum Development Committee of Faculty of Technology
5. Serving as a **Supervisor and Evaluator** for industrial training for 2nd year students in Department of Biosystems Technology.
6. Serving as a **Member of Subcommittee** of SER-WC/IR 2019 for IQAU/SEUSL in South Eastern University of SL.
7. Worked as a **Co-Controller** for Advanced Level practical examination for Biosystems Technology school students.
8. Worked as an **Invigilator** for examination in Faculty of Technology in SEUSL.

COMMUNICATION TO LEARNED SOCIETIES AND EXPERIENCES

- Successfully organized seminars for Advanced level Biosystems Technology students in Eastern University, Sri Lanka (2016).
- Secretary of Young Men Hindu Association, Eravur, Batticaloa from 2015 to 2016.
- Sociological activities such as teaching to poor students, arranging the competition for school students and advising to farmers.
- Developed and implemented the computer software for Agrarian Service Center. (Agro Meteorological Indicator: Determination of Crop water requirement and Irrigation Schedule in Batticaloa District)

KEY SKILLS

- Excellent explanation skills
- Can teach the students as per their level
- Good communication skills
- Awareness about the various teaching techniques
- In depth knowledge of the subjects

TECHNICAL SKILLS

- Well knowledge with software development by PHP, HTML, JavaScript and CSS.
- Well knowledge with computer and other software application such as MS office package and Software tools.

HOBBIES

- Playing cricket
- Home gardening
- Software development

PERSONAL DETAILS

- Full Name : Amarasingam Narmilan
- Gender : Male
- Date of Birth : 01st November, 1989
- Civil Status : Married
- Nationality : Sri Lankan Tamil
- N.I.C No : 198930601657

NON- RELATED REFEREES

| Detail of First Referee | |
|--------------------------|---|
| Name with Initial | Dr. M. G. Mohamed Thariq |
| Profession | Senior Lecturer |
| Official Address | Department of Biosystems Technology, Faculty of Technology, South Eastern University of Sri Lanka, University Park, Oluvil, #32360, Sri Lanka. |
| Email Address | mgmthariq@seu.ac.lk |
| Mobile No | +94772640558 |
| Detail of Second Referee | |
| Name with Initial | Dr. M.M Muhamed Muneeb |
| Profession | Senior Lecturer and Head of the Department |
| Official Address | Department of Biosystems Technology, Faculty of Technology, South Eastern University of Sri Lanka, University Park, Oluvil, #32360, Sri Lanka. |
| Email Address | muneeb@seu.ac.lk |
| Mobile No | +94773147820 |

I hereby certify that the above particulars given by me are true and correct to the beat of my knowledge and belief.

18.11.2020

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Date



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Signature