

Ms. Maathumai Sivaji
Lecturer (Probationary)

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PROFILE

A highly motivated, hardworking young academic member in the field of Palm and Latex Technology and also a proactive and dedicated researcher on palm food process technology, value addition and product development.

EDUCATIONAL QUALIFICATIONS

MSc in Food Science and Technology (with Research)

PGIA, University of Peradeniya

GPA: 3.94

BSc in Palm and Latex Technology and Value Addition

Second Class (Honors) Upper Division

Faculty of Animal Science and Export Agriculture

Uva Wellassa University of Sri Lanka

PGDIP in Professional Practice in English

PGIE, Open University of Sri Lanka.

Professional Certificate in Human Resource Management

Sri Lanka Agricultural Science Association

ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)

- Winner: 3MT Competition (Three Minutes Thesis) organized by the Open University of Sri Lanka 2022

PUBLICATIONS

Indexd Journal Article

- Accepted for Publication in the Journal of Agricultural Sciences for the upcoming issue: "Physicochemical and Nutritional Characterization of Palmyrah (*Borassus*

flabellifer L.) Pith Waste: A Study to Explore Potential Agricultural and Industrial Applications”, authored by M. Sivaji, V. Ratnarajah, B. Aheeshan and A.J. Kumar

Peer Reviewed Journal Articles

- Sobini, N., Datchian, S.A., Wijesinghe, W.A.J.P., Maathumai, S. and Sriwijendran, S., 2022. Effect of Xanthan Gum and Homogenization on the Stability of Palmyrah (*Borassus flabellifer* L) Ready-to-Serve Drink. Journal of Food and Agriculture, 15(2), pp.1–9. DOI: <http://doi.org/10.4038/jfa.v15i2.5267>.
- Aheeshan, B. Wijesinghe, W.A.J.P. Subajini, M. Maathumai, S. Sriwijendran, S. (2022). Antioxidant Activity and Physicochemical Analysis of Coconut, Kithul and Palmyra Palm Treacle. Journal of Science, 13 (1): 23 – 30. DOI [10.4038/jsc.v13i1.40](https://doi.org/10.4038/jsc.v13i1.40)
- Sivaji, M. and Aheeshan, B. (2021). Antioxidant and Nutritional Properties of Freshly Tapped Palmyra (*Borassus Flabellifer*) Sap. Journal of Advances in Technology, 1(2): 300 – 306. <https://doi.org/10.31357/ait.v1i2.4880>.
- Maathumai, S., Arampath, P. C, Kapilan, R. (2020). Tenderizing Ability of *Bryophyllum pinnatum* Leaf Extract in Comparison to Papain and Bromelain on Goat Meat Chunks. Journal of Dry Zone Agriculture, 6 (2): 100 – 114.
- Maathumai, S., Anuluxshy, B. Wijesinghe, W. A. J. P. Bandara, S. M. I. P. G. Sriwijendran, S. (2018). Effect of Sodium Metabisulphite on the Nutritional Characteristics of Palmyra Fruit Pulp. IOSR Journal of Environmental Science, Toxicology and Food Technology. 12 (2): 59 – 62.

Abstracts/Extended Abstracts

- Datchikan, S.A. Sobini, N. Wijesinghe, W. A. J. P. Maathumai, S. Sriwijendran, S. (2022) Effect of Xanthan Gum and Homoginization on the Stability of Palmyra (*Borassus flabellifer* L.) Redy to serve Drink. Proceedings of ARSFOT on Technological Transformation for sustainable Development. Page 31.

- Sivarathan, S. Subajini, M. Wijesinghe, W. A. J. P. Maathumai, S. Sriwijendran, S. (2022) Effect of Clarification on the Quality of Palmyra (*Borassus flabellifer* L.) Toddy. Proceedings of ARSFOT on Technological Transformation for sustainable Development. Page 19.
- Maathumai, S, Vassanthini, R.(2022) Physiochemical and Nutritional Composition of the Palmyrah Fruit Pulp Extracted From the Variety of Blacked Skin Palmyra Fruit. Proceedings of 5th International GARI Conference on Sustainable Development. Page 25.
- Maathumai. S, Kapilan, R. Arampath, P. C. (2020) Tenderizing Ability of *Bryophyllum pinnatum* Leaf Extract in Comparison to Papain and Bromelain on Goat Meat Chunks. Thirty Scond Annual Congress of the PGIA. Page 54.
- Maathumai. S. Kapilan, R. Arampath, P. C. (2019) Effect of Meat Tenderizer (Bromelain) on the Sensory Attributes of Goat Meat Chunks. Proceedings of 5th International Conference on Dry Zone Agriculture 2019. Page 60.
- Maathumai, S. Kapilan, R. Arampath, P. C. (2019) Leaf Extract of *Bryophyllum pinnatum*: A potential Tenderizer for Goat Meat. Proceedings of the Vavuniya Campus International Research Symposium 2019. Page 114 - 117
- Maathumai, S., Anuluxshy, B. Wijesinghe, W.A.J.P. Bandara S.M.I.P.G. Sriwijendran, S. (2017). Comparative Nutrient Analysis of Palmyra Fruit Pulp with and without Artificial Preservative. Proceedings of International Research Symposium, Uva Wellassa University. Page 79.

Scientific Presentations

- Maathumai, S, Vassanthini, R. Physiochemical and Nutritional Composition of the Palmyrah Fruit Pulp Extracted From the Variety of Blacked Skin Palmyra Fruit. 5th International GARI Conference on Sustainable Development 2022.

- Maathumai. S, Kapilan, R. Arampath, P. C. Tenderizing Ability of *Bryophyllum pinnatum* Leaf Extract in Comparison to Papain and Bromelain on Goat Meat Chunks. Thirty Second Annual Congress of the PGIA. 2019.
- Maathumai. S. Kapilan, R. Arampath, P. C. Effect of Meat Tenderizer (Bromelain) on the Sensory Attributes of Goat Meat Chunks. 5th International Conference on Dry Zone Agriculture 2019.
- Maathumai, S. Kapilan, R. Arampath, P. C. Leaf Extract of *Bryophyllum pinnatum*: A potential Tenderizer for Goat Meat. Vavuniya Campus International Research Symposium 2019.
- Maathumai, S., Anuluxshy, B. Wijesinghe, W.A.J.P. Bandara S.M.I.P.G. Sriwijendran, S. Comparative Nutrient Analysis of Palmyra Fruit Pulp with and without Artificial Preservative. International Research Symposium, Uva Wellassa University. 2017.

Theses/Dissertations

- Maathumai, S., Anuluxshy, B. Wijesinghe, W.A.J.P. Bandara S.M.I.P.G. Sriwijendran, S. Comparative Nutrient Analysis of Palmyra Fruit Pulp with and without Artificial Preservative. (2017). Uva Wellassa University.
- Maathumai. S, Kapilan, R. Arampath, P. C. Tenderizing Ability of *Bryophyllum pinnatum* Leaf Extract in Comparison to Papain and Bromelain on Goat Meat Chunks.(2022). PGIA, University of Peradeniya.

RECENT RESEARCH PROJECTS INVOLVED

- Physicochemical and Nutrient Content Analysis of the Palmyra Fiber Wastes

THESIS SUPERVISION

Co- supervisor for the undergraduate research on:

- Effect of Different Clarifiers on the Clarification of Palmyrah Fruit Juice
- Effect of Clarification on the Quality of Palmyrah Toddy
- Development of Value Added Virgin Coconut Oil Based Healthy Green Curry Paste.

- Formulation of Antioxidant Enriched Palmyrah Based Herbal Shampoo
- Formulation of Natural Wound Healing Palmyrah Based Ointment
- Bio-activity of Palmyrah inflorescence
- Quality improvement of palmyrah jaggery and tooth paste
- Non thermal processing of king coconut water
- Consumer preference of defatted coconut flour based bread

TEACHING CONTRIBUTION

Uva Wellassa University of Sri Lanka (2021 December to date)

- Other Palm Food Products Technology (PLT 362 – 2)
- Ornamental Palm Production (PLT 353 – 1)
- Coconut Food Products Technology (PLT 361 – 3)

Eastern University of Sri Lanka (2020 – 2021)

- Plant Based Products Technology
- Dairy Technology

WORK EXPERIENCE

- Lecturer (Probationary), Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka. (From 15th December 2021 to Date).
- Assistant Lecturer, Department of Biosystem Technology, Faculty of Technology, Eastern University of Sri Lanka. (From 2nd September 2020 to 1st October 2021)
- Temporary Demonstrator, Department of Export Agriculture, Faculty of Animal Science and Export Agriculture, Uva Wellassa University of Sri Lanka. (From 02nd May 2017 to 1st May 2018).

OTHER POSITIONS HELD

- Academic Sub Warden, Female Hostels (Rambukpotha A and Rambukpotha E)

- Field Training Coordinator for Palm and Latex Technology and Value addition Degree Programme, 2023.
- Laboratory Incharge: Palm Technology Laboratory
- Track Coordinator (Food Science and Technology Track 1) of Academic Session 2022.
- Organizing Committee of 3MT Competition 2022, Faculty of Animal Science and Export Agriculture, Uva Wellassa University
- Coordinator, Orientation Programme for New Entrance (2018/2019), Faculty of Technology, Eastern University of Sri Lanka.
- Organizing Committee Member, Boost-up Programme for New Entrance (2018/2019), Faculty of Technology, Eastern University of Sri Lanka.
- In charge, Practical Manual Development for the Course Units of Plant Based Products Technology and Dairy Products Technology for 3rd year Biosystem Technology Undergraduates, Eastern University, Sri Lanka.

RESOURCE PERSON

- One week boost up programme for new entrance (2018/2019) on English for Technology, Faculty of Technology, Eastern University of Sri Lanka.

TRAININGS AND WORKSHOPS ATTENDED

- Training of Trainers (ToT) Session on “Learning to Live with Diversity” by Centre for Gender Equity and Equality (CGEE), of the University Grants Commission (UGC) at Uva Wellassa University (January 25th, 2023).
- Workshop on “Use of Online Tools and Techniques for Teaching and Assessments”
- Two Days Webinar on Food Additives and Adulterants, Organized by Information Service Centre, Industrial Technology Institute. (4th and 5th May, 2022).

- Workshop on Scientific Writing, Organized by the Department of Export Agriculture, Uva Wellassa University of Sri Lanka. (March 30th, 2022).
- Two Days Training Programme on Handling of Winpact Bioreactor and its Application on Fermentation, Organized by the Department of Biosystem Technology, Eastern University of Sri Lanka. (December 21st and 22nd, 2020).
- Internship at Growrite Substrate Private Limited, Kurunagal. (May to June, 2016).
- Field Training on Coconut and Rubber Production at Coconut Research Institute, Lunuwila and Rubber Research Institute, Agalawatta and Rathmalana and Kurunagal Plantations Limited (October to November, 2015)
- Two Days workshop on Soft Skills, Organized by the John Keels Foundation in Collaboration with the Career Guidance Unit of the Uva Wellassa University. (17th & 18th November, 2015).

PERSONAL INFORMATION

Name : Maathumai Sivaji
Sex : Female
Date of Birth : 19/04/1991
Marital Status : Married
Nationality : Sri Lankan