

Ms. G.R.V.S. Gamlath
Lecturer (Probationary) at Department of Export Agriculture

Department of Export Agriculture
Faculty of Animal Science and Export Agriculture
Uva Wellassa University
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PROFILE

A highly enthusiastic, self-motivated, hardworking, flexible individual who is ready to meet demanding challenges. A well passionate, neat, quick learner and a devoted character who pursues the ability to lead and manage an effective team as a good team player. Motivated to manage my work even under a huge workload.

EDUCATIONAL QUALIFICATIONS

- B.Sc. Hons in Palm and Latex Technology and Value Addition, Uva Wellassa University of Sri Lanka (Second class upper division with a GPA of 3.62)
- Completed an online course in Advanced Chemistry conducted by the University of Kentucky

ACADEMIC HONOURS (AWARDS, RECOGNITIONS AND SCHOLARSHIPS)


- Vice Chancellor's Award for best performance in Palm and Latex Technology and Value Addition Degree Program
- Included in the Dean's List of Exceptional Academic Performance in the first semester of Academic Year 2019/2020
- Merit Awarded at the Technical Session of Processing Technology at the Final Research Presentations 2020 conducted by Uva Wellassa University
- Awarded by "Mahatma Gandhi Scholarship" granted by the High Commission of India

PUBLICATIONS

Peer-Reviewed Journal Articles

- H.G.I.M. Wijesinghe, **G.R.V.S. Gamlath**, A.M.W.K. Senevirathna, D.G. Edirisinghe, R.R.W.M.U.G.K. Wadugodapitiya, T.A.R.W.M.M.C.G. Bandara, B.S.N. Bandara, “Effect of Pre-Blending and Phase-Mixing Methods on Properties of Natural Rubber and Acrylonitrile Butadiene Rubber Blends Filled with Nano Silica Extracted from Rice Husk Ash”, Journal of Nanoscience and Technology, vol 7, issue 1 (2021) 928-932 doi:10.30799/jnst.319.21070101
- R.R.W.M.U.G.K. Wadugodapitiya, H.G.I.M. Wijesinghe, D.G. Edirisinghe, **G.R.V.S. Gamlath**, A.M.W.K. Senevirathna, T.R.A.W.M.M.C.G. Bandara, “Potential of Using Carbon Black and Silica Extracted from Rice Husk Ash as Combined Filler System for Acrylonitrile - Butadiene Rubber Compounds”, Journal of the Plastics and Rubber of Sri Lanka – Volume 19-2020
- H.G.I.M. Wijesinghe, T.N.B. Etampawala, D.G. Edirisinghe, **G.R.V.S. Gamlath**, R.R.W.M.U.G.K. Wadugodapitiya, T.A.R.W.M.M.C.G. Bandara, “Properties of Rice Husk Ash Silica Filled Natural Rubber and Acrylonitrile-Butadiene Rubber Blends” Accepted for publication in Vol 17, No. 1 of Journal of Agricultural Sciences

Books/Book Chapters

	G.R.V.S. Gamlath “Effect of Mixing Method on Properties of Natural Rubber/Acrylonitrile Butadiene Rubber Blend Composites Reinforced with Silica Extracted from Rice Husk Ash” Harvest Magazine, Volume 01, Issue 02
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Abstracts/Extended Abstracts

- M.B.J.M. Fernando, D.M.M. Nandasena, **G.R.V.S. Gamlath**, A.M.W.K. Senevirathna “Determination of the Causes for Yellow Patch Formation in Natural Rubber-based Examination Gloves”, Published on International Research Conference of Uva Wellassa University 2023

- K.A.H. De Silva, M.N. Wijesinghe, T.A.R.W.M.M.C.G. Bandara, **G.R.V.S. Gamlath**, M.A.U.G. Meewalaarachchi, B.A.D.U.P. Bulathsingha, A.M.W.K. Senevirathna, “Development of Fire-retardant Natural Latex Foam Mattress Incorporating Expandable Graphite”, Published on International Research Conference of Uva Wellassa University 2023
- **G.R.V.S. Gamlath**, T.N.B. Etampawala, “Enhancement of the Thermal Conductivity of Graphite Filled Natural Rubber Latex Dipped Composites”, Published on Institute of Technology University of Moratuwa Research Symposium 2021
- **G.R.V.S. Gamlath**, H.G.I.M. Wijesinghe, A.M.W.K. Senevirathna, D.G. Edirisinghe, “Effect of Mixing Method on Properties of Natural Rubber/Acrylonitrile Butadiene Rubber Blend Composites Reinforced with Silica Extracted from Rice Husk Ash” Published on International Research Conference of Uva Wellassa University 2020

Theses/Dissertations

- Completion of BSc (Hons) in Palm and Latex Technology and Value Addition degree program through the submission of the dissertation titled “Effect of Mixing Method on the Properties of Natural Rubber/Acrylonitrile Butadiene Rubber Blend Composites Reinforced with Silica Extracted from Rice Husk Ash”

PATENTS

- Textile Blend Separation using mechanical separation methods

RECENT RESEARCH PROJECTS INVOLVED

- Development of a heat-resistant table mat using waste polyvinyl chloride as a filler
- Development of an Areca husk fiber seedling pot
- Development of a rubber article using the Dipping Tank Coagulum (DTC)/ Natural Rubber (NR) blend to check the possibility of using dipping tank coagulum as a raw material
- Development of a heat-resistant bike seat cover incorporating waste polyvinyl chloride as a filler

- Production of abrasive-resistant footwear by incorporating waste polyethylene filler in the form of pellets
- Development of heat and soundproof foam cover for vehicles using waste polyvinyl chloride and polyurethane foam
- Development of a piezoresistive latex foam material incorporating carbon nanotubes

THESIS SUPERVISION

- Identification of an Alternative Chemical for the Bleaching Agent Used in Crepe Rubber Manufacturing (Mr. R.M.V.S. Rathnayake)
- Effect of Mixed Soap on Natural Rubber Latex Foam Properties (Mr. R.L.G. Sulakshana)
- Determination of the Cause for Yellow Patch Formation in Natural Rubber-Based Examination Gloves (Ms. M.B.J.M. Fernando)
- Preparation and Characteristics of Savinase-treated Deproteinized Skim Crepe Rubber (Mr. W.M.T.M. Wickramasinghe)
- Effect of Biological Treatment Method for Total Dissolved Solids Level and Chloride Reduction in Activated Carbon Washing Effluent (Ms. R.A.M.P. Ranasinghe)

TEACHING CONTRIBUTION

- Overview to Palm and Latex Industry (PLT 131-1)
- Latex Industrial Machinery (PLT 243-2)
- Cultivation and Management of Rubber and Allied Crops (PLT 252-2)
- Rubber Processing Technology I (PLT 341-2)
- Rubber Processing Technology II (PLT 345-2)
- Instrumentation in Agricultural Research (EAG 349-1/ PLT 343-1)
- Rubber Products Designing and Development (PLT 442-2)
- Introduction to Crop Science (ANS 201-2)
- Industrial Waste Management (PLT 344-1)

WORK EXPERIENCE

- Works as a Lecturer (Probationary) at the Department of Export Agriculture
- Worked as a Temporary Lecturer in the Department of Export Agriculture from 4th of May 2022 – 3rd May 2023
- Worked as a Research Assistant in the Center for Advanced Material Research at the Faculty of Applied Sciences, University of Sri Jayewardenepura from September 2020 to April 2022
- Worked as a Quality Assurance Intern at Camso Loadstar (PVT) Ltd from January 2020 to March 2020

OTHER POSITIONS HELD

- Member of the Organizing Committee of the 3MT competition organized by the Faculty of Animal Science and Export Agriculture, Uva Wellassa University
- Member of the University Nature Explorer's Team
- Member of the University Art Society

RESOURCE PERSON

- Participated in a program conducted by Badulla 'Pradeshia Sabha' on the upliftment of the lives of rural people in Badulla district
- Participated in the Athwela – O/L seminars conducted at D.S. Senanayake Maha Vidyalaya, Athiliwewa, Monaragala

TRAINING AND WORKSHOPS ATTENDED

- Participated in the workshop on "Counselling and Mentoring" conducted by Mr. Akila Aushada Bandara
- Participated in the workshop on "Use of Online Tools and Techniques for Teaching and Assessments" conducted by Prof. E.P.S.K. Ediriweera

EDITOR/REVIEWER ASSIGNMENTS

- Reviewer in the proceedings of the International Research Conference of Uva Wellassa University

SCIENTIFIC SOCIETIES MEMBERED

- Member of the Young Scientist Forum (National Science and Technology Commission) –
Membership No: YSF/AM/23/15

SKILLS

- *Softwares*

Arduino, Origin Lab, ChemDraw, Mendeley, Minitab, Microsoft Word, Excel, and PowerPoint

- *Instruments*

Mooney Viscometer, Universal Testing Machine, Homogenizer, Brookfield Viscometer, Mechanical Stability Time Tester, Four Probe Conductivity Meter, UV - Visible Spectrometer, X-ray Diffractometer, FTIR Spectrometer, and Raman Spectrometer

PERSONAL INFORMATION

Surname : Gamlath
Name : G.R.V.S. Gamlath
Sex : Female
Date of Birth : 12th October 1995
Marital Status : Single
Nationality : Sri Lankan
Contact : 071 7044188