

CURRICULUM VITAE

Nileththi Yasendra Jayanath



Lecturer
Department of Food Science & Technology
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Google Scholar: <https://scholar.google.com/citations?user=6EwrUkQAAAAJ&hl=en#>

Education

2015-2017 **Asian Institute of Technology, Thailand**
M.Sc. in Food Engineering and Bioprocess Technology (FGPA-3.77)

2012-2015 **Postgraduate Institute of Agriculture,
University of Peradeniya, Sri Lanka**
M.Sc. in Food & Nutrition (FGPA-3.77)

2006-2010 **Faculty of Agriculture, University of Peradeniya**
B.Sc. (Hons) in Food Science & Technology (FGPA-3.74)

Work experience

2014 **Lecturer, Department of Food Science Technology,
(March to Faculty of Agriculture, UUniversity of Peradeniya,
present) Sri Lanka**

- Conducting lectures and practical in 2-degree programs; B.Sc. in Food Science & Technology & B.Sc. in Agricultural Technology & Management

Courses conduct: Unit operations in Food Processing, Food Engineering, Food Process Technology, Food Sanitation, Processing of Beverages, Food Product development, Grain & Starch Products Technology

- Supervising the undergraduate final year research projects.
- Has coordinated different training programs for high school students and teachers.

2012-2014 Lecturer (temporary), Department of Nursing, Faculty of Allied Health Sciences, University of Peradeniya

- Conducted lectures in the degree program of B.Sc. Nursing

Courses conducted: Biochemistry, Nutrition, Nutrition & Dietetics, Community Health II

- Many administrative works: Handling marks of students, Preparing rosters for clinical

2011 Lecturer (temporary), Department of Agricultural Systems, Faculty of Agriculture, Rajarata University of Sri Lanka

- Conducted lectures in the degree program of B.Sc. Agriculture

Courses conducted: Food Packaging, Food Chemistry & Post Harvest Technology

2011 Research & Development Executive, Maliban Milk Products (pvt.) Ltd., Rathmalana, Sri Lanka

- Developed a prebiotic enriched UHT milk using reconstituted milk.

2010-2011 Lecturer (temporary), Department of Food Science Technology, Faculty of Agriculture, University of Peradeniya, Sri Lanka

- Coordinated the practical classes and conducted tutorials to the students of B.Sc. in Food Science & Technology and B.Sc. in Agricultural Technology & Management.

Memberships and awards

Awards

- AIT Fellowship 2015: Fellowship offered by Asian Institute of Technology, Thailand to study the Master's degree in Food Engineering and Bioprocess Technology.
- Prof. Upali Samarajeewa Gold Medal for best performance in the B.Sc. Food Science and Tech. Degree (2010).
- Keells Gold medal for Food Safety in the B.Sc. Food Science and Tech. Degree (2010).
- Won the second place in the competitions of speech and '3-minute E-poster presentation' on food waste management, organized jointly by FAO & Asian Institute of Technology, Thailand (2017).

Memberships

- Steering committee member of Young Scientists Forum (YSF) attached to National Science and Technology Commission, Sri Lanka (2019 -present).
- Life member of YSF of National Science & Technology Commission of Sri Lanka.
- Senior Treasurer, Society of Food Science and Technology, Faculty of Agriculture, University of Peradeniya (2019-20) and (2015-16).
- Assistant Treasurer of Sri Lanka Inter University Association for Food Science and Technology (2009-2010).
- Member of Institute of Applied Statistics, Sri Lanka.
- Member of Nutrition Society of Sri Lanka.
- Member of Alumni Association of the Faculty of Agriculture, University of Peradeniya, Sri Lanka.

Publications & Scientific Communications

Rathnakumar Kaavya, R. Pandiselvam, S. Abdullah, N.U. Sruthi, **Yasendra Jayanath**, C. Ashokkumar, Anandu Chandra Khanashyam, Anjineyulu Kothakota, S.V. Ramesh, Emerging non-thermal technologies for decontamination of Salmonella in food, Trends in Food Science & Technology, Volume 112, 2021, Pages 400-418, ISSN 0924-2244, <https://doi.org/10.1016/j.tifs.2021.04.011>.

Senevirathne, I. G. N. H., Abeysekera, W. K. S. M., Abeysekera, W. P. K. M., **Jayanath, N. Y.**, Galbada Arachchige, S. P., & Wijewardana, D. C. M. S. I. (2021). Antiamylase, Antiglucosidase, and Antiglycation Properties of Millets and Sorghum from Sri Lanka. Evidence-Based Complementary and Alternative Medicine, 2021, 5834915. <https://doi.org/10.1155/2021/5834915>

Nguyen, L., Ahmad, I. and **Jayanath, N.** (2020). Dielectric Properties of Selected Seafood and their Products. In Encyclopedia of Marine Biotechnology, S.-K. Kim (Ed.). doi:10.1002/9781119143802.ch127

Lakshan, S. A. T., Pathirana, C. K., **Jayanath, N. Y.**, Abeysekara, W. P. K. M., & Abeysekara, W. K. S. M. (2020). Antioxidant and selected chemical properties of the flowers of three different varieties of Butterfly Pea (*Clitoria ternatea* L.). Ceylon Journal of Science, 49(2), 195–201. DOI: <http://doi.org/10.4038/cjs.v49i2.7740>

Pandiselvam, R., Kaavya, R., **Jayanath, Y.**, Veenuttranon, K., Lueprasitsakul, P., Divya, V., ... Ramesh, S. V. (2020). Ozone as a novel emerging technology for the dissipation of pesticide residues in foods—a review. *Trends in Food Science & Technology*, 97, 38–54. <https://doi.org/https://doi.org/10.1016/j.tifs.2019.12.017>

Lakshan S. A. T., **Jayanath N. Y***, Abeysekera W. P. K. M, and Abeysekera W. K. S. M. (2019) “A Commercial Potential Blue Pea (*Clitoria ternatea* L.) Flower Extract Incorporated Beverage Having Functional Properties,” *Evidence-Based Complementary and Alternative Medicine*, vol. 2019, Article ID 2916914, 13 pages, 2019. <https://doi.org/10.1155/2019/2916914>.

Jayanath, N. Y., Nguyen, L. T., Vu, T. T., & Tran, L. D. (2018). Development of a portable electrochemical loop mediated isothermal amplification (LAMP) device for detection of hepatitis B virus. *RSC Advances*, 8(61), 34954–34959. <https://doi.org/10.1039/C8RA07235C>

Jayathilaka, S. I., Abeysekera, W. P. K. M., Abeysekera, W. K. S. M., **Jayanath, N. Y.**, Premakumara, G. A. S. and Wijewardana, D. C. M. S. I. (2019). Anti-oxidant and Anti-inflammatory activities of Selected Millet Types and Sorghum Varieties of Sri Lanka. *Proceedings of the 39th annual sessions of the institute of biology*, 27th September 2019, Pp 62.

Jayanath N.Y., Abeysekera W.K.S.M., Illeperuma C.K and Premakumara G.A.S. (2010) Antiglucosidase activity of *Khomba Arka* and development of a beverage using *Khomba Arka*. *Proceedings of the Peradeniya University Research Session*, Sri Lanka. 15:1-3

Lakshan, S.A.T., **Jayanath, N.Y***, Abeysekera, W.P.K.M. and Abeysekera, W.K.S.M. (2017). Optimization of hot water extract of Blue Pea flower (*Clitoria ternatea* L.) by response surface methodology. *Proceedings of the 4th International Conference on Health & Medicine*, Colombo, Sri Lanka. 96.

Lakshan, S.A.T., **Jayanath, N.Y***, Abeysekera, W.P.K.M, Abeysekera, W.K.S.M and Piyalungka, P. (2017). Development of a herbal drink using Blue Pea flower (*Clitoria ternatea*) and investigation of its antioxidant and anti-diabetic properties. *Proceedings of the 4th Undergraduate Research Symposium*, Faculty of Agriculture, University of Peradeniya, Sri Lanka. 21.

Wijelath, W.A.G.E., **Jayanath, N.Y***, Senevirathne, D., Guruge, T. and Madhujith, T. (2018). Determination of the level of benzoic and sorbic acids and synthetic dyes in fruit jellies available for sale in Sri Lanka. *Proceedings of the Annual Scientific Sessions of the Nutrition Society of Sri Lanka*, Colombo, Sri Lanka. 20.

Ranatunga, J.M.J.N.M., **Jayanath, N.Y***, Induwara, I.V.A.D.C.S. and Chandrasiri, K.A.K.L. (2017). Effect of different packaging materials on quality of whole black pepper (*Piper nigrum* L.) during bulk storage. *Proceedings of the 4th Undergraduate Research Symposium*, Faculty of Agriculture, University of Peradeniya, Sri Lanka. 93.

Shakir, M.S.M., **Jayanath, N.Y*** and Pathirage, A.C. (2017). Increasing the water content of sauce sachet preserving sensory, physicochemical properties and stability. *Proceedings of the 4th Undergraduate Research Symposium*, Faculty of Agriculture, University of Peradeniya, Sri Lanka. 160.

Chandrasekara, C.M.L.P., **Jayanath, N.Y***. and Chinthaka, U.G.S. (2017). Evaluating quality of water used by small scale dairy farmers in Gampaha district area. Proceedings of the 4th Undergraduate Research Symposium, Faculty of Agriculture, University of Peradeniya, Sri Lanka. 189.

Jayawardhana D.N., **Jayanath N.Y***. and Perera N. (2015). Development of cereal and pulse based yoghurt for toddlers. Proceedings of the Peradeniya University International Research Session, Sri Lanka. 19: 159.

Jayawardana D.N., **Jayanath N.Y***., Wijesinghe D.G.N. and Perera N. (2014) Development of cereal and pulse based yoghurt. Proceedings of the 1st Faculty of Agriculture Undergraduate Research Symposium. 60.

Wijewardana N.T.P., Arampath P.C., **Jayanath N.Y***. and Rajapaksha R.P.A.D. (2014) Quality improvement in virgin coconut oil process. Proceedings of the 1st Faculty of Agriculture Undergraduate Research Symposium. 75.

Abeyrathna S.M.U.C., **Jayanath N.Y.** and Jayaweera P.S. (2014) Changes of chilli (*Capsicum annuum*) during commercial level processing and storage. Proceedings of the 1st Faculty of Agriculture Undergraduate Research Symposium. 81.

Senarath T.S., **Jayanath N.Y***. and Samarasinghe J.M.S.C. (2014) The potential of increasing ground biscuit powder percentage in a cream sandwich puff biscuit. Proceedings of the 1st Faculty of Agriculture Undergraduate Research Symposium. 83.

Wanninayake W.M.D.P.K., Arampath P.C. and **Jayanath N.Y***. (2014) Formulation and proximate analysis of finger millet cookies. Proceedings of the 1st Faculty of Agriculture Undergraduate Research Symposium. 88.

(*Corresponding Author)

Professional qualifications

- Working as a consultant for Senodha Associates (a food processing company), Imbulgoda, Sri Lanka in areas of quality and hygiene maintenance from 2010 to present.
- Serving as a trainer (Laboratory safety and Food Hygiene Management) for Heineken Lanka Ltd – Brewery, Mawathagama, Sri Lanka.
- Diploma in Quality Management– Sri Lanka Standard Institution (SLSI)
- Certificate Course in Basic Statistics – Institute of Applied Statistics, Sri Lanka.
- Certificate course on Statistical Packages for Data Analysis- Institute of Applied Statistics, Sri Lanka.
- Successfully completed the training course of Agricultural and Livestock Product Processing for the Belt and Road Countries, held in Hrabn University of Commerce, China (2017).

- Resource person for the workshop of commercialization of research outcomes of Faculty of Agriculture, University of Peradeniya held at National Chamber of Commerce, Sri Lanka (2015).
- Departmental coordinator for the Internship program for undergraduates of Sultan Qaboos University, offered by Agriculture Education Unit of University of Peradeniya (2017).
- Resource person in the workshop conducted for the entrepreneurs in eastern province of Sri Lanka on rice based products, funded by Industrial Development Board, Sri Lanka (2014).
- Coordinated the departmental stall (Department of Food Science, Faculty of Agriculture) at Pro Food Pro Pack (2014) exhibition which won the best stall award in institution category.

Additional skills

- Fluent in Statistics
- Sound knowledge in process optimization softwares (Surface response methodology)
- Councelling
- Singing and compeering

Referees

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Declaration

I do hereby certify that the above particulars furnished by me are true and correct to the best of my knowledge.



N.Y. Jayanath

18.09.2021