

# **CURRICULUM VITAE**

**Jayasinghe, Udayasiri Lalitha Bandara (U.L.B)**

**Senior Research Professor**

**H-Index 34 for Citations 3350 (December 2025)**

**National Institute of Fundamental Studies**

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## **Academic & Professional Qualifications**

- B.Sc. Special Degree in Chemistry with Physics as subsidiary subject (1985)  
- University of Peradeniya, Sri Lanka.
- Ph.D. Natural Products Chemistry (1992) University of Peradeniya, Sri Lanka.  
Title of the Thesis: "Chemistry and bioactivity of some Sri Lankan Menispermaceae and Lauraceae".  
Supervisor : Professor G. P. Wannigama
- Diploma, Natural Products Chemistry (1994), Tokyo Institute of Technology, Japan.  
Supervisor : Professor Y. Fujimoto

## **Administration Experiences**

- Acting Director, NIFS,  
(9 months Totally, 2012 -2020)
- Acting Secretary, NIFS,  
(10 months Totally, 2016 - 2025),
- Head, Project Leader, Natural Products Project, NIFS  
(Since 1996 - To date)
- Member, Governing Board of the NIFS  
(from April 2009 - Dec. 2018)
- Elected Fellow, National Academy of Sciences, Sri Lanka (FNASSL), from 2012.
- Chartered Chemist, Member for Life, Institute of Chemistry, Sri Lanka from 1996
- Member, Research Committee of the Faculty of Science, University of Peradeniya, from 2008-2023.
- Member, Editorial Board, *Ceylon Journal of Science*, from 2013-2016
- Visiting Lecturer,  
- PGIS, University of Peradeniya since 2000.

- Department of Chemistry, University of Peradeniya 2000.
- Department of Chemistry, Sabaragamuwa University, Buttala, 2001/2002.
- Institute of Chemistry, Sri Lanka 2001/2002.
- Lecturer, Certificate Course in Advanced Organic Chemistry, PGIS, University of Peradeniya (2000 - to date)
- Member for Life, SLAAS (4260E) and Committee Member, Chemical Science Section E<sub>2</sub> -1996.
- Member, Research Council of the NIFS (2000 to date)
- Member (2001-2005, 2014-2017 & 2019 - 2023) and Secretary (2004), Board of Study in Chemical Sciences, PGIS, University of Peradeniya.
- Course Coordinator & Member of Teaching Panel Postgraduate Certificate Course in Advanced Organic Chemistry, PGIS, University of Peradeniya, 2003/2004, 2006/2007, 2009/2010, 2012/2013, 2014/2015, 2017, 2019, 2020, 2021/2022, 2023/2024, 2025.
- Ph.D., M.Phil. and M.Sc. Thesis Examiner, PGIS, University of Peradeniya 2000 - to date.
- Ph.D. Thesis Examiner, University of Madras, India, 2003.
- Ph.D. Thesis Examiner, University College, Dublin, Ireland, 2012.
- Ph.D. Thesis Examiner, Universiti Teknologi MARA, Malaysia, 2017.
- Ph.D. Thesis Examiner, University of Colombo, 2018, 2021, 2022
- Ph.D. Thesis Examiner, University of Queensland, Australia. 2024
- Ph.D. & M.Phil. Thesis Examiner, University of Sri Jayawardenapura, 2019, 2020, 2021.
- M.Phil. Thesis Examiner, University of Kelaniya, 2020, 2021, 2022.
- M.Phil. & Ph.D Thesis Examiner, University of Ruhuna, 2022, 2024, 2025.
- M.Phil. Thesis Examiner, Uwa Wellassa University, 2022.

## Peer Reviewer

- *Natural Product Research* (Reviewed over 40 articles)
- *Archive der Pharmazie*
- *Journal of Agricultural and Food Chemistry*
- *Journal of the National Science Foundation* Sri Lanka
- *International Journal of Molecular Sciences*
- *Natural Products Communications*
- *Phytochemical Analysis*
- *BMC Complementary and Alternative Medicine*
- *Chinese Medicine*
- *Ceylon Journal of Science*
- *Nature Scientific Reports*
- *Evidence Based Complementary and Alternative Medicine*
- *Biochemical Systematic and Ecology*
- *Biotechnology Reports*
- Research Grant Proposals, NRC, Sri Lanka, since 2000
- Research Grant Proposals, NSF, Sri Lanka, since 2000

- Research Papers, University of Peradeniya (Rescon & IPURSE) Since 2000 and NIFS since 2015

## Awards

### **Kandiah Memorial Award I - 1992**

Awarded by the Institute of Chemistry, Sri Lanka, for the best piece of Research in Chemistry by a Post-graduate student in the Universities in Sri Lanka.

### **TWAS / NARESA Prize for Young Scientists - 1992**

Awarded by the Third World Academy of Sciences (TWAS - Italy) in collaboration with the Natural Resources, Energy and Science Authority (NARESA - Sri Lanka) for the outstanding contribution to science in the field of Chemistry in 1992.

### **Presidential Awards for Research 2002, 2003, 2004, 2006, 2007, 2008, 2012, 2015**

Awarded by His Excellency the President, Democratic Socialist Republic of Sri Lanka.

### **National Research Council Merit Award for Scientific Publications - 2014**

Awarded in 2016

### **NSF - SUSRED Award - 2017**

SUSRED (Support Scheme for Supervision of Research Degrees) is a NSF award given to Supervisors of postgraduate research degrees (MPhils and PhDs) that support postgraduate research in Sri Lanka, in recognition of the service to the nation

### **National Research Council Merit Award for Scientific Publications - 2018**

Awarded in 2022

### **Most Outstanding Researcher, NIFS - 2017, 2019, 2020, 2021, 2022, 2023**

Most outstanding researcher - Annual Review, Senior Research Professor Category, National Institute of Fundamental Studies, Sri Lanka.

### **Dr. C.L. De Silva Gold Medal from Institute of Chemistry Ceylon, 2021**

Gold Medal, Institute of Chemistry Ceylon,

### **Lifetime Award - SLAAS- 2023**

Awarded by Sri Lanka Association for the Advancement of Sciences.

### **CRS Gold Medal, West Bengal University, India - 2024**

Awarded by West Bengal University, India

### **PIFI Award - CAS Presidents International Fellowship Initiative - 2024**

Awarded by Chinese Academy of Science to South China Sea Institute of Oceanology, from 1<sup>st</sup> May 2024 - 31<sup>st</sup> Jan. 2025, Guanzhou, China.

## Fellowships

### **IPICS Research Fellowship - 1988**

Awarded by the International Program in the Chemical Sciences (Sweden) to H.E.J. Research Institute of Chemistry, University of Karachi, Pakistan on training of modern spectroscopic techniques under the supervision of Professor Atta-ur-Rahman, Sept.- Dec. 1988.

### **The Tokyo Tech - UNESCO Research Fellowship, Japan - 1993/1994**

Awarded by Tokyo Institute of Technology and UNESCO to participate to the 29th International Post-graduate University Course in Chemistry and Chemical Engineering held at Tokyo Institute of Technology, Japan. Oct. 1993 - Sept. 1994.

### **Fellowship, Goethe Institute, Mannheim, Germany - 1998**

Awarded by Alexander von Humboldt Foundation, Germany to study German Language at Goethe Institute, Mannheim, Germany, from 30<sup>th</sup> Sept. 1999 - 29<sup>th</sup> Jan. 2000.

### **Alexander von Humboldt Research Fellowship, Germany - 1999/2000**

Awarded by the Alexander von Humboldt Foundation to conduct research work at Professor W. Kraus's Laboratory at University of Hohenheim, Stuttgart, Germany, Feb. 1999 - Jan. 2000.

### **Visiting Scientist - Tokyo Institute of Technology, Japan - 2004**

Awarded by Tokyo Institute of Technology, to conduct research work at the Department of Chemistry and Materials Science from May - July 2004.

### **Visiting Scientist - University of Mississippi, USA - 2004/2005**

Awarded by National Centre for Natural Product Research, University of Mississippi, from 2004 Oct. - 2005 Sept.

### **Visiting Scientist - University of Milan, Italy - 2006**

Dipartimento Di Scienze Molecolari Agroalimentari, Università Degli Studi Di Milano, from Oct. - Nov. 2006.

### **Visiting Professor - Tokyo Institute of Technology, Japan - 2009**

Awarded by the Tokyo Institute of Technology, to spent three months at the Department of Chemistry and Materials Science from July - Sept. 2009.

### **Alexander von Humboldt Research Fellowship, Germany - 2011, 2015, 2019, 2022**

Awarded by the Alexander von Humboldt Foundation Short term research fellowships to conduct research work at Jacobs University of Bremen, Germany April - June 2011; Sept. - Nov. 2015; 15<sup>th</sup> Feb - 15<sup>th</sup> May, 2019; Sept. - Nov. 2022.

### **Guest Scholar, Meiji University, Japan - 2019**

Awarded by the Meiji University, Japan, from 11<sup>th</sup> -20<sup>th</sup> Dec. 2019.

## International Symposiums attended:

- \* 17th IUPAC International Symposium on the Chemistry of Natural Products, 4<sup>th</sup>-9<sup>th</sup> Feb., 1990, New Delhi, **India**.
- \* International Symposium on Natural Product Chemistry. Fifty years of Chemistry in Sri Lanka, Golden Jubilee, 20<sup>th</sup>-23<sup>rd</sup> May, 1991, Peradeniya, Sri Lanka.
- \* 6<sup>th</sup> International Symposium on Natural Product Chemistry, 4<sup>th</sup>-8<sup>th</sup> Jan., 1996, Karachi, **Pakistan**.
- \* SAARC Meeting of Experts on Cultivation/Utilisation of Medicinal and Aromatic Plants, 18<sup>th</sup>-20<sup>th</sup> Oct, 1995, Colombo, Sri Lanka.
- \* Symposium on Bioactive Natural Products, 11<sup>th</sup>-16<sup>th</sup> Nov. 1996, Peradeniya, Sri Lanka.
- \* Symposium on “Saponins in Food, Feedstuffs and Medicinal Plants”, 6<sup>th</sup>-8<sup>th</sup>, 1999, Pulawy, **Poland**.
- \* Participant, Annual Meeting of the Alexander von Humboldt Foundation held in Berlin, Germany from the July, 2010.
- \* 9<sup>th</sup> International Symposium on Natural Product Chemistry, 4<sup>th</sup>-8<sup>th</sup> Jan. 2004, Karachi, **Pakistan**.
- \* 46<sup>th</sup> Annual meeting of the American Society of Pharmacognosy, Oregon State University, July 2005, Corvallis, Portland, **U.S.A**.
- \* Alexander von Humboldt - Kolleg on “Aquatic Sciences cum Enhancement of the Agro Industry” Universiti Sains Malaysia, Penang, Malaysia, 25<sup>th</sup>-29<sup>th</sup> Oct. 2007, **Malaysia**.
- \* Alexander von Humboldt Colloquium for Humboldt Fellows and Awardees from Thailand and Neighbouring Countries, “Regional Networking - a Chance for Science and Scholarship”, 23<sup>rd</sup>-25<sup>th</sup> Nov. 2007, Chiang Mai, **Thailand**.
- \* The Tokyo Tech-UNESCO Fellows Symposium for Development of a Human Resources and Research Network in Science and Technology, 10<sup>th</sup>-11<sup>th</sup> Dec. 2009, Tokyo, **Japan**.
- \* Invited Speaker and Member of the Organizing Committee, International Symposium on Natural Products to felicitate Prof. Vijaya Kumar and Prof. Savitri Kumar, University of Peradeniya, 26<sup>th</sup> June 2010, Sri Lanka.
- \* Kathmandu Alexander von Humboldt Kolleg (KHK) on “Collaborative research as an integrative tool for strengthening science and technology in South Asia”, November 15-18<sup>th</sup> 2010, Kathmandu, **Nepal**.
- \* Invited Speaker, Session Chairman, 12<sup>th</sup> International Symposium on Natural Product Chemistry, 22<sup>nd</sup>-25<sup>th</sup>, November 2010, Karachi, **Pakistan**.
- \* Participant, Mini Symposium on Tea and Coffee, jointly organised by Jacobs University Bremen and the Technical University Braunschweig, **Germany** held at the Jacobs University Bremen, on the 10<sup>th</sup> of June 2011.
- \* Participant, Annual Meeting of the Alexander von Humboldt Foundation held in Berlin, **Germany** from the 27<sup>th</sup> - 29<sup>th</sup> of June 2011.
- \* Coordinating Secretary, Invited Speaker, International Symposium on Natural Products and their application in Health and Agriculture (NPAHA-2011), 3<sup>rd</sup>-8<sup>th</sup> October 2011, Kandy, Sri Lanka.

- \* Participant, International Conference on Chemical Sciences (ICCS) - 2012 organized by the Institute of Chemistry Sri Lanka, 22<sup>nd</sup> -25<sup>th</sup> June 2012, Colombo.
- \* Participant, EUROMAR, Conference (European Magnetic Resonance) - 2012, 1<sup>st</sup>-6<sup>th</sup> July, Dublin, **Ireland**.
- \* Invited Speaker, Session Chairman, 13<sup>th</sup> International Symposium on Natural Products, 22-25 Sept. 2012, Karachi, **Pakistan**.
- \* Invited Speaker, International Conference on Natural Products 2013, 4-6<sup>th</sup> March, 2013, Selangor, **Malaysia**.
- \* Invited Speaker, 14<sup>th</sup> Asian Symposium on Medicinal Plants, Spices and Other Natural Products, 9<sup>th</sup> -12<sup>th</sup> December 2013, Karachi, **Pakistan**.
- \* Invited Speaker, 2<sup>nd</sup> Humboldt Kolleg: The Voice of Asian Researchers in conjunction with: International Conference on Natural Sciences (ICONS) 2014, Ma Chung, **Indonesia**.
- \* Participant, Executive Technology Forum - 2016, organized by Waters (India), 7<sup>th</sup>-9<sup>th</sup>, March 2016, Bangalore, **India**
- . Participant, 16<sup>th</sup> Conference of the Science Council of Asia, 30<sup>th</sup> May - 1<sup>st</sup> June 2016, Colombo.
- \* Invited Speaker & Session Chair, 14<sup>th</sup> Eurasia Conference on Chemical Sciences, 15-18<sup>th</sup> December 2016, Karachi, **Pakistan**.
- \* Chairman, Organizing Committee, The 1<sup>st</sup> Sri Lankan ANRAP Regional Seminar (ANRAPSL1) on “Herbal Approaches in Combating Diabetes and Common Tropical Diseases”, 17-19<sup>th</sup> January 2018, NIFS, Kandy, Sri Lanka.
- \* Member, Ministerial Delegation led by Hon. Sarath Amunugama, Minister, Science, Technology & Research, Sri Lanka to China attend the “3<sup>rd</sup> forum on China- South Asia Technology Transfer and collaborative innovation” was held in Kunming, Yunanan province of the China under the theme of “Innovations Drives Development & Collaboration Wins the Future”, 14<sup>th</sup> - 18<sup>th</sup> June, 2018, Kungmin, **China**.
- \* Participated as a Guest to the Eurasia-15<sup>th</sup>, Rome, Italy to present the vision and willingness to host the next Eurasia-16<sup>th</sup> (2020) in Sri Lanka, 5<sup>th</sup>-8<sup>th</sup> Sept 2018, Rome, **Italy**.
- \* Invited Speaker & Session Chairman, 2<sup>nd</sup> International Symposium on Natural Products for the Future (ISNPF-2), 4<sup>th</sup> - 6<sup>th</sup> Nov. 2018, Karachi, **Pakistan**.
- \* Invited Speaker & Session Chairman, 14<sup>th</sup> International Symposium on Natural Products Chemistry (ISNPC-14), 6<sup>th</sup> - 8<sup>th</sup> Nov. 2018, Karachi, **Pakistan**.
- \* Invited Speaker & Session Chairman, 9<sup>th</sup> ANRAP International Seminar on “From Plant to Patient: Identification of New Drugs for Metabolic Disorders”, 25<sup>th</sup> - 27<sup>th</sup> Jan. 2019, Karachi, **Pakistan**.
- \* Invited speaker, 25<sup>th</sup> Year Celebrations of ANRAP, Dhaka, 2<sup>nd</sup> Sept.- 2019, Dhaka, **Bangladesh**.
- Presenter, Chemical Wealth of Mangrove Associated Fungi, Key Laboratory of Tropical Marine Bio-Resources and Ecology, Chinese Academy of Sciences, Jan. 17<sup>th</sup>, 2025, Guanzhou, **China**.

- Participant, International Symposium on the International Conference on Climate Change and Agriculture in Tropical Latitudes, Hilton Hotel, Colombo, May 5<sup>th</sup>, 2025.
- Keynote Speaker, at International Conference on Integration of Traditional Medicine in Modern Healthcare System, March 2<sup>nd</sup>, 2025, at Jharkhand Rai University, Ranchi, **India**.
- Plenary Speaker, on the International Conference on "Circular Economy: Approaches in Food, Energy & Environmental Systems" (IC-CEFEES 2025) was organized by the Department of Food Technology, Sree Buddha College of Engineering, Alappuzha, in association with the Kerala Academy of Sciences on the 29<sup>th</sup> - 30<sup>th</sup> of May 2025, Alapuzza, Kerala, **India**.
- Co-Chairman, Keynote Speaker "2025 - ICSDMBR International Conference on the Sustainable Development of Marine Bio-Resources, Aug 2<sup>nd</sup> to 3<sup>rd</sup>, 2025, Marine Beach Hotel, Colombo.
- Plenary speaker, 10th Anniversary and the 10th China-Sri Lanka Joint Workshop on Climate Change and Sustainable Marine Development, held from 23<sup>rd</sup>-24<sup>th</sup> October 2025 at Cinnamon Life, City of Dreams, Colombo.
- Invited Speaker, Session Chairman, Alexander von Humboldt Kolleg on "Humboldt Kolleg 2025: Current Updates on Antimicrobial Resistance (AMR) and Development of New Antibiotics, from October 28-31, 2025, Kathmandu, **Nepal**,

## Workshops attended

- \* Participant, Residential workshop on Phytochemical and Biological Investigations of Medicinal and Related Plants of Sri Lanka. 17<sup>th</sup>-19<sup>th</sup> Oct. 1986, University of Peradeniya.
- \* Workshop Assistant, National Workshop on Chromatography, 19<sup>th</sup>-22<sup>nd</sup> Oct. 1989, University of Peradeniya.
- \* Workshop Assistant, Regional workshop on Carbohydrates and Carbohydrate Containing Natural Products, 12<sup>th</sup>-16<sup>th</sup> July, 1990, University of Peradeniya.
- \* Workshop Co-ordinator and Resource Person, National Workshop on Separation Techniques and Spectroscopy in Organic Chemistry, 31<sup>st</sup> Oct.-1<sup>st</sup> Nov., 1996, Institute of Fundamental Studies, Kandy in Collaboration with SLAAS.
- \* ANRAP (Asian Network of Research on Antidiabetic Plants) Workshop on Phytochemical Techniques, 16<sup>th</sup>-20<sup>th</sup> Nov. 1996, HEJ Research Institute of Chemistry, University of Karachi, **Pakistan**.
- \* Resource Person, Workshop for Technical Officers on Instrumentation, 2009 November, Institute of Fundamental Studies, Kandy.
- \* Resource Person and Coordinating Secretary, Workshop on "Bioassays for Natural Product Research", Institute of Fundamental Studies, Kandy, 25-26<sup>th</sup> March, 2009.
- \* Resource Person, Workshop on "Extraction, Screening and Bioassays for the Analysis of Microbial and Plants products" organised by Sri Lankan Society for Microbiology, 4<sup>th</sup>-6<sup>th</sup> Dec. 2010, University of Peradeniya.

- \* Chairman, Organizing Committee & Resource Person - National Workshop on Investigating Bioactive Metabolites from Natural Sources: Enzyme Inhibitory Studies, NMR & LC-MS Interpretation, 13<sup>th</sup>-17<sup>th</sup> October, 2014, Institute of Fundamental Studies, Kandy, Sri Lanka.
- \* Chair-Organizing Committee & Resource Person - National Workshop on Separation Techniques in Natural Product Research, 19<sup>th</sup>-23<sup>rd</sup> September, 2016, Institute of Fundamental Studies, Kandy, Sri Lanka.
- \* Participant, ANRAP (Asian Network of Research on Antidiabetic Plants) Workshop for Developing Inter-laboratory Cooperation for Research on Herbal Medicine, 29<sup>th</sup>-30<sup>th</sup> October, 2016, Dhaka, Bangladesh.
- \* Participant, Advance Application Training Program on LCMS Ion Trap Techniques in Natural Product Analysis, June 25-30<sup>th</sup> 2017, Thermo India, Mumbai, India.

**10. Google H index - 34**

**Citations - 3350 (Google Scholar; December 2025)**

**Publications in Scholarly Journals - 143**

**Manuscripts under Review - 04**

**Book Edited - 01**

**Chapters in Books - 06**

**Presentations at International Symposia - > 180**

**Presentations at National Symposia - > 190**

**Postgraduate Degree Supervision (completed) - 5(Ph.D), 32(M.Phil), 8(M.Sc.)**

**Postgraduate Degree Supervision (on going) - 2(Ph.D.), 8(M.Phil.)**

**11. Referees**

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| <p>(i) Prof. Yoshinori Fujimoto,<br/>School of Agriculture,<br/>Meiji University,<br/>Higashima, Tama-ku<br/>Kawasaki 214-8571<br/>Japan.<br/>(fujimoto.y.aa@gmail.com)</p>  | <p>(ii) Prof. Nikolai Kuhnert,<br/>School of Engineering &amp; Science,<br/>Jacobs University Bremen,<br/>28759, Bremen,<br/>Germany.<br/>(n.kuhnert@jacobs-university.de)</p> |
| <p>(iii) Prof. Sabrina Dallavalle,<br/>Department of Food, Environmental<br/>and Nutritional Sciences (DeFENS),<br/>Università degli Studi di Milano,<br/>via Celoria 2, 20133 Milan,<br/>Italy.<br/>(sabrina.dallavalle@unimi.it)</p> |  |



## List of Publications - Lalith Jayasinghe (U.L.B.)

Google H index -34; Citations - 3350 (December 2025)

### Publications in Scholarly Journals

1. Liang, J., Chen, X., Chen, Y., Cong, M., Cao, Q., Huang, X., Liu, Y., **Jayasinghe, L.**, Chen, C., Zhou, X. (2025). Bioactive metabolites from the sponge-derived fungus *Penicillium crustosum* SCSIO 41442. *Journal of Tropical Oceanography*, 44(6), 188-195
2. Samarakoon, K., Dissanayake, D., Amarasinghe, N.R., Kumar, N.S., Yakandawala, D., Adikaram, N., **Jayasinghe, L.**, Araya, H., Fujimoto, Y. (2025). Phytotoxicity of secondary metabolites from a fungal endophyte *Muyocopron laterale* isolated from leaves of *Centella asiatica*. *Phytochemistry Letters*, 66, 24-30.
3. Selvaskanthan, S., **Jayasinghe, L.**, Eeswara, J.P. (2025). Rapid micropropagation and chemical profiling of in vitro plantlets and agarwood of *Gyrinops walla* Gaertn. by gas chromatography and mass-spectrometry, PLOS ONE, <https://doi.org/10.1371/journal.pone.0321049>
4. Piyasena, K.G.N.P., Wickramarachchi, W.A.R.T., Kumar, N.S., Adikaram, N.K.B., **Jayasinghe, L.**, Araya, H., Fujimoto, Y. (2025). Phytotoxic naphtho- $\gamma$ -pyrones from an endophytic fungus *Aspergillus niger* from *Basella alba*. *Vegetos*, <https://doi.org/10.1007/s42535-025-01515-4>.
5. Siriwardhane, U., Samarakoon, K., Kalinga, J., Yakandawala, D., Adikaram, N., **Jayasinghe, L.**, Araya, H., Fujimoto, Y. (2025). Enzyme inhibitors from endophytic *Xylaria feejeensis* isolated from *Cardiospermum halicacabum*, *Vegetos*, <http://doi.org/10.1007/s42535-025-01495-5>
6. Nilmini, B.M.S., Samarakoon, K., Yakandawala, D., Kumar, N.S., Adikaram, N.K.B., **Jayasinghe, L.**, Araya, H., Fujimoto, Y. (2025).  $\alpha$ -Glucosidase inhibitors from an endophytic fungus *Edenia gomezpompae* from *Costus speciosus*. *Vegetos*, <https://doi.org/10.1007/s42535-025-01405-9>
7. Kalinga, J., Samarakoon, K., Siriwardhane, U., Yakandawala, D., Adikaram, N., **Jayasinghe, L.**, Araya, H., Fujimoto, Y. (2025).  $\alpha$ -Glucosidase inhibitor and phytotoxic metabolite produced by an endophytic fungus *Diaporthe melonis* isolated from *Acalypha indica* L. *Vegetos*, <https://doi.org/10.1007/s42535-025-01313-y>
8. Bandara, B.G.R.R., **Jayasinghe, L.**, Koosha, M., Yang, X., Li, T., Araya, H., Fujimoto, Y. (2025). Valorization of *Zingiber officinale* (Ginger) Leaf Waste by Extraction and Identification of Compounds with High Phytotoxicity. *Waste and Biomass Valorization*, <https://doi.org/10.1007/s12649-025-03025-5>
9. Liyadupitiya, N., Ekanayake, U., Jayarathna, L., Ulpahakumbura, S., **Jayasinghe, L.**, Marikkar, N. (2025). Nutritional composition and bioactivity studies on edible soft stem of banana (*Musa* spp.). *Agricultural Science & Technology*, 17, 10-23.
10. Piyasena, K.G.N.P., Ranatunga, M.A.B., Napagoda, M.T., Amarasinghe, N.R., Abayarathna, A.A.B., **Jayasinghe, L.** (2025). Evaluation of antioxidant, acetylcholinesterase, lipase,  $\alpha$ -amylase, xanthine oxidase, and  $\alpha$ -glucosidase enzyme inhibitory activities of Sri Lankan tea cultivars, *Discover Plants*, <https://doi.org/10.1007/s44372-025-00122-6>

11. Halaldeen, F., **Jayasinghe, L.**, Marikkar, N., Musthafa, M.M., Arshad, M., Kheraif, A.A.A., Husain, F.M., Adil, M., Khan, R. (2025). Bioactivity Studies of Different Solvent Extracts of Defatted Residues from *Terminalia catappa* L. Seed Kernels, *Journal of Food Biochemistry*, <https://doi.org/10.1155/jfbc/8590029>
12. Jayasundara, Y., Herath, N., Buddhipala, A., Bandara, M.D., **Jayasinghe, L.**, Attanayake, R., Perera, D., Paranagama, P. (2025). Nutritional Composition and Bioactive Properties of *Salicornia brachiata*: A Comparison of Drying Methods, *Natural Product Communications*, <https://doi.org/10.1177/1934578X251315822>
13. Kulatunge T., **Jayasinghe, L.**, Wickramarachchi, P. Marikkar, JMN., Adikaram, NKB. (2025). Prospecting bioassays and enzyme inhibitory activities of *Alysicarpus vaginalis*, *Biophytum reinwardtii*, *Mikania cordata* and *Plumeria obtuse*. *Journal of Multidisciplinary & Translational Research*, 10
14. Halaldeen, F., Zahir, I., Ulpathakumbura, S., **Jayasinghe, L.**, Marikkar, N., Mustafa, M.M., Arashad, M., Kheraif, A.A.A., Husain, F.M., Adil, M. (2024). Characterization of oils and defatted residues of *Terminalia catappa* L. seed kernels of two varieties, *International Journal of Food Properties*, 27(1), 30-43.
15. Zeng, Z., Cai, J., Chen, Y., Li, X., Chen, C., Liu, Y., **Jayasinghe, L.**, Zhou, X. (2025). Three New Dipeptide and Two New Polyketide Derivatives from the Mangrove-Derived Fungus *Talaromyces* sp.: Antioxidant Activity of Two Isolated Substances, *Marine Drugs*, 22(12), 559.
16. Chen, Y., Liu, Y., She, J., Cong, M., Wang, J., **Jayasinghe, L.**, Liu, Y., Zhou, X. (2024) Secondary metabolites from the cold-seep-derived fungus *Penicillium* sp. SCSIO 41425 and their free radical scavenging activity. *Journal of Holistic Integrative Pharmacy*, 5(4), 257-261.
17. Piyasena, K.G.N.P., Napagoda, M.T., Kalinga, J., Abayarathne, A.A.B., Jayawardhane, P.A.M., Siriwardhane, K.D.P.U., Ranatunga, M.A.B., **Jayasinghe, L.** (2024). Variation of elastase, collagenase, tyrosinase enzyme inhibitory and antioxidant potential of different tea cultivars, *Discover Chemistry*, <https://doi.org/10.1007/s44371-024-00041-7>
18. Wijesekera, M.M.T., Famidah, H.F., Ulpathakumbura, B.S.K., **Jayasinghe, L.**, Marikkar, J.M.N. (2024). Nutritional Composition, Anti-oxidative and Anti-hyperglycemic Potential of the Kernels of Two Varieties of *Terminalia catappa* L. *Journal of Agricultural Sciences-Sri Lanka*, 19(3). 507-516.
19. Jayasinghe, Y.A., Peiris, P., Pradeep, R., Jayawickrama, S.M., Seneviratne, K., Piyarathne, N., Ariyasena, T.C., Jayawardene, N.U., Jayasinghe, L., Weerasooriya, R., Jayasinghe, R. (2024). Toxic metal analysis of Sri Lankan Areca catechu varieties, *International Dental Journal*. S257.
20. Gunarathne, R., Ulpathakumbura, S., Marikkar, N., Jayasinghe, L., Lu, J. (2024). Coconut Testa Flour Sub-Fractions: Correlation Between FTIR Spectral Data and  $\alpha$ -Glucosidase Inhibitory Activities. *Foods*, 13(21), 3418.
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