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EDUCATIONAL BACKGROUND

- 1989-1993 PhD (Agriculture: Applied Microbiology)
Faculty of Agriculture, Hokkaido University, Sapporo, Japan
- 1973-1975 M.S. (Microbiology)
Kasetsart University, Bangkok, Thailand
- 1968-1971 B.S. (Agriculture)
Chiang Mai University, Chiang Mai, Thailand

FIELDS OF SPECIALIZATION

- Microbiology
- Mycology
- Microbial Technology and Microbial Ecology

AWARDS

- 2002 The Best Article Award in the Soil Nutrient and Water Management category. International Rice Research Institute
- 2003 Award for publish the highest number of publication. Faculty of Science, Chiang Mai University, Chiang Mai Thailand.
- 2004 Award for publish the highest number of publication. Faculty of Science, Chiang Mai University, Chiang Mai Thailand.
- 2005 Outstanding Paper of the Year Award for the Paper Published in Mycoscience. The Mycological Society of Japan.
- 2007 Award for Outstanding on Mycological Research of benefit to Society. From The Kaejohan Foundation and Uppsala University. **Award was hand by Hr Royal Highess Crown Princess Victoria of Sweden** during the cerebration of The Linnaeus Tricentennial.
- 2007 Outstanding Research (Bringing wild mushroom, black bolete to a commercial mushroom). Thailand Research Funding organization
- 2007 Award as a chairperson of the second price for PhD Thesis. Chiang Mai University: Biodiversity of Saprobic fungi on woody litter.
- 2008 Golden Elephant Award for "The Best Lecturer and Researcher"
- 2011 Award for publish the third highest number of publication in Scopus during 2011. Faculty of Science, Chiang Mai University, Chiang Mai Thailand
- 2015 Award of Outstanding Chiang Mai University Alumni in Scientific Research
- 2016 Award of Outstanding Japanese Alumni in Scientific Research
- 2016 Award for highest publication in 2016, Faculty of Science, Chiang Mai University

PUBLICATIONS (2011-Now)

1. Suwannarach N., Kaewyana C., Yodmeeklin A., Kumla J., Matsui K., **Lumyong S.** 2017. Evaluation of *Muscodor cinnamomi* as an egg biofumigant for the reduction of microorganisms on eggshell surfaces and its effect on egg quality. **International Journal of Food Microbiology** 244: 52-61. (IF=3.445/ Q=1)
2. Tanruean K., Kaewnarin K., Suwannarach N., **Lumyong S.** 2017. Comparative evaluation of phytochemicals, and antidiabetic and antioxidant activities of *Cuscuta reflexa* grown on different hosts in northern Thailand. **Natural Product Communications** 12: 51-54. (IF=0.884/ Q=2)
3. De Silva NI., Phookasak R., Maharachchikumbura SSN., Thambugala KM., Bhat DJ., Al-Sadi AM., **Lumyong S.**, Hyde KD. 2017. *Monochaetia ilexae* sp. nov. (Pestalotiopsidaceae) from Yunnan province in China. **Phytotaxa** 291: 123-132 (IF=0.884/ Q=3)
4. Kumla J., Suwannarach N. **Lumyong S.** 2016. Characterization of *Pisolithus orientalis* in culture and in vitro mycorrhization with *Eucalyptus camaldulensis* and *Pinus kesiya*. **Mycosphere** 7:1415-1424. (IF=0.654)
5. De Silva NI., **Lumyong S.**, Hyde KD., Bulgakov T., Phillips AJL., Yan JY. 2016. Mycosphere Essays 9: Defining biotrophs and hemibiotrophs. **Mycosphere** 7:545-559. (IF=0.654)
6. Yang J., Maharachchikumbura SSN., Bhat DJ., Hyde KD., Mckenzie EH., Jones EB., Al-Sadi AM., **Lumyong S.** 2016. Fuscosporellales, anew ordor of aquatic and terrestrial Hypocreomycetidae (Sordariomycetes). **Cryptogamie Mycologie** 37: 449-475 (IF=1.509/ Q=2)
7. Sujarit, K., T. Kudo, M. Ohkuma, W. Pathom-Aree, S. **Lumyong**. 2016. *Streptomyces palmae* sp. nov., isolated from oil palm (*Elaeis guineensis*) rhizosphere soil. **International Journal of Systematic and Evolutionary Microbiology**. 66: 3983-3988. (IF=2.439/ Q=2)
8. Li, J., DJ. Bhat, R. Phookamsak, A. Mapook, **S. Lumyong** and KD. Hyde. 2016. *Sporidesmioides thailandica* gen. et sp. nov. (Dothideomycetes) from northern Thailand. **Mycological Progress**. 15:1169-1178. (IF=1.913/ Q=1)
9. De Silva, NI., **S. Lumyong**, KD. Hyde, T. Bulgakov, AJL. Phillips and JY. Yan. 2016. Mycosphere essays (: Defining biotrophs and hemibiotrophs. **Mycosphere** 7: 545-559. (IF=0.64)
10. Senanayake, IC., AM. Al-sadi, JD. Bhat, E. Camporesi, AJ. Dissanayake, **S. Lumyong**, SSN. Maharachchikumbura and KD. Hyde. 2016. *Phomatosporales* ord. nov. and *Phomatosporaceae* fam. nov. to accommodate *Lanspora*, *Phomatospora* and *Tenuimurus*, gen. nov. **Mycosphere** 7:628-641 (IF= 0.64)
11. Li, J., R. Phookamsak, A. Mapook, S. Boonmee, J. Bhat, KD. Hyde and **S. Lumyong***. 2016. *Seifertia shangriensis* sp. nov. (Melanommataceae), a new species from Sounthwest China. **Phytotaxa** 273:34-42 (IF= 1.318/ Q=2)
12. Kaewnarin K., N. Suwannarach, J. Kumla and **S. Lumyong***. 2016. Phenolic profile of various wild edible mushroom extracts from Thailand and their antioxidant properties, anti-tyrosinase and hyperglycaemic inhibitory activities. **Journal of Functional Food** 27: 352-364 (IF=3.973/ Q=1)
13. Suwannarach, N., J. Kumla, K. Sri-Ngernyuang and **S. Lumyong***. 2016. A new endophytic fungus, *Chrysotilia barringtoniae* sp. nov., from Thailand. **Mycoscience** 57: 361-365 (IF=1.165/ Q=2)
14. Suwannarach, N., J. Kumla, S. Vadhanarat, O. Raspé and **S. Lumyong***. 2016. Morphological and molecular evidence support a new truffle, *Tuber lannaense*, from Thailand. **Mycological Progress** 15: 827-834 (IF=1.913/ Q=1)

15. Suwannarach N, J. Kumla and **S. Lumyong***. 2016. *Pseudoplagiostoma dipterocarpi* sp. nov., a new endophytic fungus from Thailand. **Mycoscience** 57: 118-122 (IF=1.165/ Q=2)
16. Suwannarach N, Kumla J, **S. Lumyong***. 2016. First report of sour rot on tomato caused by *Galactomyces reessii* in Thailand. **Journal General Plant Pathology** 82: 228-231 (IF=1.120/ Q=2)
17. Lasudee K., S. Tokuyama, **S. Lumyong** and W. Pathom-area*. 2016. Mycorrhizal Spores Associated *Lysobacter soli* and Its Plant Growth Promoting Activity. **Chiang Mai Journal of Science** 43: 1-8 (IF=0.420/ Q=3)
18. Kumla J., N. Suwannarach and **S. Lumyong*** 2016. First report of Phoma leaf spot disease on cherry palm caused by *Phoma herbarum* in Thailand. **Canadian Journal of Plant Pathology** 38: 103-106 (IF=1.119/ Q=2)
19. Raspé O., S. Vadhanarat, KD Kesel, J. Degreef, KD. Hyde K and **S. Lumyong** 2016. *Pulveroboletus fragrans*, a new Boletaceae species from Northern Thailand, with a remarkable aromatic odor. **Mycological Progress** 15:38 (IF=1.913/ Q=1)
20. Kumla, J., E.A. Hobbie, N. Suwannarach and **S. Lumyong.*** 2015. The ectomycorrhizal status of a tropical black bolete, *Phlebopus portentosus*, assessed using mycorrhizal synthesis and isotopic analysis. **Mycorrhiza** 26: 333-343 (IF= 3.454/ Q=1)
21. Maneechote N. and **S. Lumyong*** 2016. An improved method for purification of marine cyanobacteria isolated from the Gulf of Thailand. **Journal of Pure and Applied Microbiology** 9 (Spl.Edn.2). : 391-399. (IF= 0.073/ Q=4).
22. Barnes E. C., J. Jumpathong, **S. Lumyong**, K. Voigt and C. Hertweck. 2016. Daldionin, an unprecedented binaphthyl derivative, and diverse polyketide congeners from a fungal orchid endophyte. **Chemistry A European Journal** 22: 1-6. (IF= 5.731/ Q=1)
23. Siri-udom S, N. Suwannarach and **S. Lumyong.*** 2016. Existence of *Muscodor vitigenus*, *M. equiseti* and *M. heveae* sp. nov. in leaves of the rubber tree (*Hevea brasiliensis* Müll.Arg.), and their biocontrol potential. **Annals of Microbiology** 66: 437-448. (IF 2013=1.039/ Q=3)
24. Girdthep, S., N. Komrapit, R. Molloy, **S. Lumyong**, W. Punyodom, P. Worajittiphon*, 2015. Effect of plate-like particles on properties of poly(lactic acid)/poly(butylene adipate-co-terephthalate) blend: A comparative study between modified montmorillonite and graphene nanoplatelets **Composites Science and Technology** 119: 115-123. (IF = 3.569/ Q=1).
25. Damea ZT, N. Suwannarach, **S. Lumyong** and H. Laatscha*. A new citrinin dimer isolated from a fungal Strain ZDF21. **Natural Product Communication** 10: 623-624 (IF=0.906/ Q=2).
26. Jannoey, P*. W. Pongprasert, **S. Lumyong**, S. Roytrakul and M. Nomura. 2015. Comparative proteomic analysis of two cultivars (*Oryza sativa* L.) contrasting in brown planthopper (BPH) stress resistance. **Omics Journal POJ** 8: 96-105.(IF=0.77/ Q=2)
27. Penkhrue, W., C. Khanongnuch, K. Masaki, W. Pathom-area, W. Punyodom, **S. Lumyong.***2015, Isolation and screening of biopolymer-degrading microorganisms from northern Thailand. **World Journal of Microbiology and Biotechnology** 31: 1431-1442. (IF = 1.779/ Q=2).
28. Kanpiengjai A. **S. Lumyong**, P. Wongputtisin, D. Haltric, Th., Nguyen and C. Khanongnuch*. 2015. Efficient secretory expression of gene encoding a broad pH-stable maltose-forming amylase from *Lactobacillus plantarum* S21 in food-grade lactobacilli host. **Journal of the Korean Society for Applied Biological Chemistry** 58: 901-908. (IF= 0.655/ Q=3)
29. Suwannarach N., B. Bussaban, W. Nuangmek, W. Pithakpol, B. Jirawattanakul, K. Matsui and **S. Lumyong***. 2015. Evaluation of *Muscodor suthepensis* CMU-Cib462 as a postharvest biofumigant for tangerine fruit rot caused by *Penicillium digitatum*. **Journal of the Science of Food and Agriculture** 96: 339-345 (IF=1.71/ Q=1)
30. Suwannarach N., J. Kumla and **S. Lumyong***. 2015. A new whitish truffle, *Tuber thailandicum* from northern Thailand and its ectomycorrhizal association. **Mycological Progress** 14: 83 (IF=1.913/ Q=1)

31. Suwannarach, N., J. Kumla, K. Matsui, **S. Lumyong***. 2015. Characterization and efficacy of *Muscodorum cinnamomi* in promoting plant growth and controlling Rhizoctonia root rot in tomatoes. **Biological Control** 90: 25–33 (IF=1.635/ Q=1)
32. Aung-aud-chariya*, A., P. Bangrak, **S. Lumyong**, W. Phupong, N. S. Aggangan and N. Kamlangdee. .2015. RNA Polymerase II Second Largest Subunit Molecular Identification of *Boletus griseopurpureus* Corner From Thailand and Antibacterial Activity of Basidiocarp Extracts. **Jundishapur J Microbiol.** 2015. 8: e15552. (IF=0.378/ Q=4)
33. Nimnoi, P.* , N. Pongsilp and **S. Lumyong**. 2015. Utilization of agro-industrial products for increasing red pigment production of Monascus purpureus AHK12. **Chiang Mai Journal of Science** 42: 331-338 (IF=0.420/ Q=3)
34. Kumla, J., E. Danell and **S. Lumyong***.2015. Improvement of yield for a tropical black bolete, *Phlebopus portentosus*, cultivation in northern Thailand. **Mycoscience** 56 : 114-117 (IF=1.165/ Q=2)
35. Girdthep, P. Worajittiphon, R. Molloy, **S. Lumyong**, T. Leejarkpai, W. Punyodom*,2014. Biodegradable nanocomposite blown films based on poly(lactic acid) containing silver-loaded kaolinite: A route to controlling moisture barrier property and silver ion release with a prediction of extended shelf life of dried longan, **Polymer**, 55 : 6776-6788 (IF 2014 = 3.562/ Q=1)
36. Chaiyasen, A., J.P.W. Young, N. Teaumroong, P. Gavinlertvatana and **S. Lumyong***. 2014. Characterization of arbuscular mycorrhizal fungus communities of *Aquilaria crassa* and *Techtona grandis* roots and soils in Thailand plantations. **PLOS ONE** 9(11): e112591 (1-8). (IF= 3.730/ Q=1)
37. Chawachart, N., S.Anbarasan, S. Turunen, H. Li, C. Khanongnuch, M. Hummel. H. Sixta, T. Granstrom, **S. Lumyong** and O. Turunen*. 2014. thermal behaviour and tolerance to ionic liquid [emim]OAc in GH10 xylanase from *Thermoascus aurantiacus* SL16W. **Extremophiles** 18: 1023-1034. (IF= 2.203/ Q=2)
38. Kanpiengjai, A., W. Rieantrakoonchai, R. Pratanaphon, W. Pathom-aree, **S. Lumyong** and C. Khanongnuch*. 2014. High efficacy bioconversion of starch to lactic acid using an amyloytic lactic acid bacterium isolated from Thai indigenous fermented rice noodles. **Food Science and Biotechnology** 23:1541-1550 (IF= 0.656/ Q=3)
39. Suwannarach, N., J. Kumla and **S. Lumyong***.2014. First report of Alternaria leaf blight disease on oil palm caused by *Alternaria longipes* in Thailand. **Phytoparasitica** 43: 57–59. (IF= 1.034/ Q=2)
40. Sujada, N., R. Sungthong and **S. Lumyong***. 2014. Termite nests as an abundant source of cultivable actinobacteria for biotechnological purposes. **Microbes and Environments** 29: 211-219. (IF = 2.412/ Q=1)
41. Siangsuepchart, A., and S. Lumyong*. 2014. Statistical optimization for production of D-mannose isomerase by *Saccharothrix* sp. CMU-K747 using response surface methodology. **Chiang Mai Journal of Science** 42: 52-61 (IF = 0.420/ Q=4)
42. Kumla, J., N. Suwannarach, B. Bussaban, K. Matsui and **S. Lumyong***. 2014. Indole-3-acetic acid production, solubilization of insoluble metal minerals and metal tolerance of some sclerotermatoid fungi collected from northern Thailand. **Annals of Microbiology** 64: 702-720. (IF =1.039/ Q=2)
43. Chawachart, N., Y. Kasinubon, C. Khanongnuch, M. Leisola and **S. Lumyong***.2014. Evaluation of xylanase production by a thermophilic fungus, *Thermoascus aurantiacus* SL16W using statistic experimental designs and the arabinose inductive effect. **Chiang Mai Journal of Science** 41: 48-59 (IF = 0.420/ Q=2)
44. Rangjaroen, C., B. Rerkasem, N. Teaumrong, R. Sangthong and **S. Lumyong***. 2014. Promoting plant growth in a commercial rice cultivar by endophytic diazotrophic bacteria isolated from rice landraces. **Annals of Microbiology** 65: 253-266 (IF = 1.039/ Q=2)

45. Rangjaroen, C., B. Rerkasem, N. Teaumrong, R. Sangthong and **S. Lumyong***. 2014. Comparative study of endophytic and endophytic diazotrophic bacteria communities across rice landraces grown in the highlands of northern Thailand. **Archives of Microbiology** 196: 35-49. (IF = 1.86/ Q=3)
46. Siri-in, J., J. Kumla, N. Suwannarach, N., **S. Lumyong***. 2013. Culture conditions and some properties of pure culture of ectomycorrhizal fungus, *Scleroderma sinnamariense*. **Chiang Mai Journal of Science** 40: 1-11. (IF = 0.420/ Q=2)
47. Wiriya, J., P. Kavnlertvatana and **S. Lumyong***. 2013. Effect of different culture media, carbon and nitrogen sources and solid substrates on growth of Termitomyces mushrooms. **Chiang Mai Journal of Science** 40: 1-5 (IF = 0.420/ Q=2)
48. Suwannarach, N., J. Kumla, B. Bussaban, W. Nuangmek, K. Matsui and **S. Lumyong***. 2013. Biofumigation with endophytic fungus *Nodulisporium* spp. CMU-UPE34 to control postharvest decay of citrus fruit. **Crop Protection** 45: 63-70. (IF = 1.652/ Q=1)
49. Kumla, J., N. Suwannarach, B. Bussaban, **S. Lumyong***. 2013. New report of *Morganella purpurascens* in Thailand. **Mycoscience** 55: 49-52 (IF = 1.165/ Q=2)
50. Chairin, T., T. Nitheranont, A. Watanabe, Y. Asada, C. Khanongnuch and **S. Lumyong***. 2013. Purification and characterization of the extracellular laccase produced by *Trametes polyzona* WR710-1 under solid-state fermentation. **Journal of Basic Microbiology** 54: 35-43. (IF=1.198/ Q=2)
51. Kumla, J., N. Suwannarach, B. Bussaban and **S. Lumyong***. 2013. *Scleroderma suthepense*, a new ectomycorrhizal fungus from Thailand. **Mycotaxon** 123: 1-7. (Impact factor = 0.821/ Q=2)
52. Adelin, E., M-T. Martin, S. Cortial, P. Retailleau, **S. Lumyong** and J. Ouazzani. 2013. Bioactive polyketides isolated from agar-supported fermentation of *Phomopsis* sp. CMU-LAM, taking advantage of the scale-up device, Platotex. **Phytochemistry** 72: 2406-2412. (IF =3.351/ Q=1)
53. Suwannarach, N., K. Sujarit, J. Kumla, B. Bussaban and **S. Lumyong***. 2013. First report of leaf spot disease caused by *Pestalotiopsis theae* in Thailand. **Journal of General Plant Pathology** 79: 277-279. (IF =1.120 / Q=1)
54. Suwannarach, N., J. Kumla, B. Bussaban, Kevin D. Hyde, K. Matsui and **S. Lumyong***. 2013. Molecular and morphological evidence support four new species in the genus *Muscodor* from northern Thailand. **Annals Microbiology** 63: 1341- 1351. (IF =1.232/ Q=3)
55. Chairin, T., T. Nitheranont, A. Watanabe, Y. Asada, C. Khanongnuch and **S. Lumyong***. 2013. Biodegradation of bisphenol A and decolorization of synthetic dyes by laccase from white-rot fungus, *Trametes polyzona*. **Applied Biochemistry and Biotechnology** 196: 539-545. (IF=1.893/ Q=3)
56. Saksinchai, S., M. Suzuki, P. Chantawannakul, M. Ohkuma and **S. Lumyong**. 2013. A novel ascosporogenous yeast species, *Zygosaccharomyces siamensis*, and the sugar tolerant yeast associated with raw honey collected in Thailand. **Fungal Diversity** 52: 123-139. (IF = 6.991/ Q=1)
57. Konkit, M., A. Jarerat, C. Khanongnuch, **S. Lumyong** and W. Pathom-aree. Poly(lactide) degradation by pseudomonas alni AS4.1531T. . **Chiang Mai Journal of Science**, 2012,39(1), 128-132.
58. Suwannarach, N., B. Bussaban, W. Nuangmek, E.H.C. McKenzie, K.D. Hyde and **S. Lumyong**. 2012. Diversity of endophytic fungi associated with *Cinnamomum bejolghota* (Lauraceae) in northern Thailand. **Chiang Mai Journal of Science** 39(2): 1-16.
59. Chutima, R. and **S. Lumyong***. 2012. Production of indole-3-acetic acid by Thai native orchid-associated fungi. **Symbiosis** 56: 35-44. DOI 10.1.1007/s13199-012-0158-2
60. Theantana, T., D. Kanjanapothi and **S. Lumyong***. 2012. In vitro inhibition of lipid peroxidation and the antioxidant system of endophytic fungi from Thai medicinal plants. **Chiang Mai Journal of Science** 39(2):1-16.

61. Kamla, J., B. Busaban, N. Suwannarach, **S. Lumyong*** and E. Danell. 2012. Basidiome formation of an edible wild, putatively ectomycorrhizal fungus, *Phlebopus portentosus* without host plant. **Mycologia** 104(3): 597-603.
62. Thet, TM. and **S. Lumyong***. 2012. Evaluation of effective entomopathogenic fungi to fruit fly pupa, *Bactrocera* spp., and their antimicrobial activity. **Chiang Mai Journal of Science** 39(3): 1-14.
63. Chaiharn, M. and **S. Lumyong**, N. Hassan and A. Plikomol. 2012. Solid state cultivation of *Bacillus thruringiensis* R 176 with shrimp shell and rice straw as a substrate for chitinase production. **Annual Microbiology** XX:xx-yy. DOI 10.1007/s13213-012-0488-6.
64. Wongputtisin, P. K. Chartchai, W. Khongbantad, P. Niamsup, and **S. Lumyong**. 2012. Screening and selection of *Bacillus* spp. for fermented corticate soybean meal production. **Journal of Applied Microbiology** XX:xx-yy. (accepted).
65. Suwannarach, N., J. Kamla, B. Bussaban and **S. Lumyong***. 2012. New report of leaf blight disease on eucalyptus (*Eucalyptus camaldulensis*) caused by *Pestalotiopsis virgatula* in Thailand. **Canadian Journal of Plant Pathology** 34: 306-309.
66. Aung-aud-chariya, A., P. Bangrak, B. Dell, **S. Lumyong** and N. Kamlangdee. 2012. Preliminary molecular identification of *Boletus griseopurpureus* Corner from Thailand and its nutritional value. **Journal of Agricultural Technology** 8(6): 1989-1996.
67. Siangsuepchart, A., K. Izumori, V. Sahachaisaree and **S. Lumyong***. 2012. D-Mannose Isomerase produced from *Saccharothrix* sp. CMU-K747 and some properties of the crude enzyme. **Chiang Mai Journal of Science** 39(4): 575-586.
68. Pongsilp, N., P. Nimnoi and **S. Lumyong**. 2012. Genotypic diversity among rhizospheric bacteria of three legumes assessed by cultivation-dependent and cultivation-independent techniques. **World Journal of Microbiology and Biotechnology** 28: 615-626.
69. Suwannarach, N., J. Kumla, B. Bussaban, **S. Lumyong***. 2012, Biocontrol of *Rhizoctonia solani* AG-2, the causal agent of damping-off by *Muscador cinnamomi* CMU-Cib 461. **World Journal of Microbiology and Biotechnology** 28: 3171-3177.
70. Tungao, W., P. Nimnoi, **S. Lumyong** and N. Pongsilp. 2012. Determination of bacterial diversity in bulk soil and rhizospheres using molecular finger printings and phenotypic features. **World Applied Sciences Journal** 19(11): 1613-1620.
71. Wongsawad, P., Y. peerapornpisal, K. Saenphet and **S. Lumyong**. 2012. Variation and ecological relevance of green algae, *Spirogyra* sp. In northern Thailand using topology of light and scanning electron microscope. **Journal of the Microscopy Society of Thailand** 59(1-2):1-4.
72. Ruanpanun, P., A. Yokota and **S. Lumyong***. 2012. Characterization of *Streptomyces* strain CMU-MH021, a nematicidal actinomycetes isolated from plant-parasitic nematode-infested soil in northern Thailand. **Annal of Microbiology** 62: 1447-1452.
73. Thet TM, N. Suwannarach and **S. Lumyong***. 2012. Isolation of entomopathogenic fungi from Northern Thailand and their production in cereal grains. **World Journal of Microbiology and Biotechnology**. 28: 3281-3291.
74. Kongbuntad, W., K. Saenphet, P. Wongputtisin, C. Khanongnuch and **S. Lumyong**. 2012. Toxicological evaluation of *Thermoaccus aurantiacus* SL16W in albino rats: subchronic toxicity study. **Research Journal of Biological Sciences** 7(6): 240-243.
75. Kennedy, K.H., J.M. Maxwell and **S. Lumyong**. 2012. Fire and the production of *Astraeus odoratus* (Basidiomycetes) sporocarps in deciduous dipterocarp-oak forests of northern Thailand. **Maejo International Journal of Science and Technology** 6(3): 483-504.

76. Nakaew, N., R. Sungthong, A. Yokota and **S. Lumyong**. 2012. *Nonomuraea monospora* sp. Nov., an actinomycete isolated from cave soil in Thailand, and emended description of the genus *Nonomuraea*. **International Journal of Systematic and Evolutionary Microbiology** 62: 3007-3012. DOI 10.1099/ijss.0.035220-0
77. Kumla, J., N. Suwannarach, A. Jaiyasen, B. Bussaban and **S. Lumyong***. 2012. Development of an edible wild strain of Thai Oyster mushroom for economic mushroom production. **Chiang Mai Journal of Science** 39: 1-12. DOI: 10.5829/idosi.wasj.2012.19.11.2787
78. Win Ko Ko, T., S. Stephenson, KD. Hyde and **S. Lumyong**. 2011. Influence of seasonality on the occurrence of Myxomycetes. **Chiang Mai Journal of Science** 38(1), 71-84.
79. Chaihan, M. and **S. Lumyong***. 2011. Screening and optimization of indole-3-acetic acid production and phosphate solubilization from rhizobacteria aimed at improving plant growth. **Current Microbiology** 62,173-181. DOI 10.1007/s00284-9674-6 (2010)
80. Kumla, J., E. Danell, B. Bussaban and **S. Lumyong***. 2011. Suitable growth conditions and nutrition factors on in vitro culture of *Phlebopus portentosus* (Boletales). **Chiang Mai Journal of Science** 38(1), 156-159.
81. Chutima, R., B. Dell, S. Vessabutr, B. Bussaban and **S. Lumyong***. 2011. Endophytic fungi from *Pecteilis susannae* (L.) Rafin (Orchidaceae), a threatened terrestrial orchid in Thailand. **Mycorrhiza** 21,221-229. DOI10.1007/s00572-010-0327-1
82. Nimnoi, P., **S. Lumyong** and N. Pongsil. 2011. Impact of rhizobial inoculants on rhizosphere bacterial communities of three medicinal legumes assessed by denaturing gradient gel electrophoresis (DGGE)". **Annual Microbiology** 61,237-245 DOI 10.1007/s13213-010-0128-y .
83. Chomchoei, A., W. Pathom-areae, A. Yokota, C. Khanongnuch and **S. Lumyong***. 2011. Amycolatopsis thailandensis sp. nov., a poly(L-lactic acid)-degrading actinocytetes isolated from soil in northern Thailand. **International Journal of Systematic and Evolutionary Microbiology** 61, 839-843.
84. Adelin, E., C. Servy, s. Cortial, H, Levaique, J.F. Gallard, M. Martin, P. Retailleau, B. Bussaban, **S. Lumyong** and J. Ouazzani. 2011. Biotransformation of natural compounds, oxidoreduction of Sch-642305 by *Aspergillus ochraceus* ATCC 1009. **Bioorganic & Medicinal Chemistry Letters** 21, 2456-2459. doi:10.1016/j.bmcl.2011.02.063.
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91. Nimnoi, P., N. Pongsilp and **S. Lumyong**. Actinobacterial community and diversity in rhizosphere soils of *Aquilaria crassna* Pierre ex Lec assessed by RT-PCR and PCR-DGGE. **Biochemical Systematic and Ecology** 39:509-519. doi 10.1016/j.bse.2011.07.010.
92. Saksinchai, S., M. Suzuki, **S. Lumyong**, M.Ohkuma and P. Chantawannakul. 2011.Two new species of the genus *Candida* in the Zygoascus clade, *Candida lundiana* sp. Nov. and *Candida suthepensis* sp. Nov., isolated from raw honey in Thailand. **Antonie van Leeuwenhock**, 2011. doi 10.1007/s10482.011-9677-8.

RESEARCH GRANTS (Ongoing Research Grants)

Research Topic	Sustainable Utilization of Microbial Resources for Global Warming Solution.
Sources of Funding	National Research University program, The office of Higher Education Commission (A1 program), Chiang Mai University
Time Duration	(1 October 2010 – 30 September 2016)
Budget	6,000,000 baht
Researchers	<u>Saisamorn Lumyong</u> , Boonsom Bussaban, Wasu Pathom-Aree
Research Topic	Sustainable Utilization of Microbial Resources
Sources of Funding	Funding from Thailand Research Fund on Research Team Association (RTA5880006)
Time Duration	3 Year (30 October 2015 - 30 November 2018)
Budget	7,500,000 baht
Researchers	<u>Saisamorn Lumyong</u> , Wipornpan Nuangmek, Boonsom Bussaban, Chartchai Khanongnuch, Nopparat Wannathes, Wasu Pathom-Aree, Somchid Youpensook, Kanchana Dumri, Pongrawee Nimnoy, Pattana Kakumyan, Nednapa Insalud, Chakrapong Rangjaroen
Research Topic	4 Topics-Microbe and application
Sources of Funding	Center of Excellence on Biodiversity (BDC), Office of Higher Education Commission (BDC-PG2-159010-013)
Time Duration	3 Year (1 April 2016 - 30 November 2019)
Budget	11,000,000 baht
Researchers	<u>Saisamorn Lumyong</u> , Nakarin Suwannarach, Jaturong Kumla, Neung Teamroog, Chartchai Khanongnuch, Sophon Boonlur, Vichien Kitpreechavanich, Keerati Tanruean, Saowanee Wikee, Juangjan Jumpathong, Jomkhwan Meerak, Nareeluk nakaew

RESEARCH GRANTS (Completed)

Research Topic	Biology and potential of endophytic microbes as plant growth promoter and biocontrol agents of some economic crops in Thailand
Sources of Funding	Funding from Thailand Research Fund on Research Team Association (RTA5580007)
Time Duration	3 Year (29 August 2013 – 30 September 2015)
Budget	7,500,000 baht
Researchers	<u>Saisamorn Lumyong</u> , Wipornpan Nuangmek, Boonsom Bussaban, Wasu Pathom-Aree, Somchid Youpensook

PATENTS

Title:	Bioinoculum for fumigation to control of post-harvest and soil pathogen
Inventors:	Saisamorn Lumyong and Nakarin Suwannarach
Apply Date:	21 July 2011
Thai Patent Application No:	1101002200

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