CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI ***(Personal Details)***			
Nama Penuh *(Full Name)*	Ho Chai Ling		Gelaran *(Title):* Professor
No. MyKad / No. Pasport *(Mykad No. / Passport No.)*	Warganegara *(Citizenship)* Malaysia	Bangsa *(Race)* Chinese	Jantina *(Gender)* Female
Jawatan *(Designation)*	Professor	Tarikh Lahir *(Date of Birth)*	

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
Department of Cell and Molecular Biology Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia Tel: 03-97697475	Department of Cell and Molecular Biology Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia Tel: 03-97697475	E-mail: clho@upm.edu.my URL:

B. KELAYAKAN AKADEMIK ***(Academic Qualification)***			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususan *(Area of Specialization)*
PhD	Chiba University	1999	Plant Molecular Biology
M.Biotech	University of Malaya	1995	Seaweed Biotechnology
B.Sc.(Hons.)	Universiti Kebangsaan Malaysia	1992	Biological Sciences

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English				√	
Bahasa Melayu				√	
Chinese			√		
Lain-lain *(other):*					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(Scientific experience and Specialisation)

Organization	*Position*	*Start Date*	*End Date*	*Expertise*
Universiti Putra Malaysia	Lecturer/ Principal investigator	2000		Crop plant and seaweed molecular biology and functional genomics

E. PEKERJAAN *(Employment)*

Majikan */ Employer*	Jawatan */ Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
Universiti Putra Malaysia	Lecturer Associate Professor Professor	Cell and Molecular Biology	2000 2006 2016	2006 2016

F. ANUGERAH DAN HADIAH *(Honours and Awards)*

Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards	MONBUSHO Scholarship UM Fellowship	Japanese Government UM	Scholarship Scholarship	2001 1992-1994
Non-Academic Awards	Perkhidmatan Cemerlang Anugerah Perkhidmatan Cemerlang	FBSB, UPM UPM		2003-2016 2006, 2010, 2014
Awards of Merit	1. Gold medal winner for poster at the Exhibition of Invention, Research & Innovation UPM 2012	UPM	Poster award	2012
	2. Silver and Bronze medals winner for posters at the Exhibition of Invention, Research & Innovation UPM 2011	UPM	Poster award	2011
	3. Winner of the Great Illumina 10G Challenge for Malaysia	Illumina	Award	2010
	4. 2008-9 Fulbright Scholarship	Department of State of U.S.A.	Scholarship	2008-2009
	5. 2009 Poster award for Animal/Bioinformatics Category for the 18th MSMBB meeting	MSMBB	Poster award	2009
	6. 2007 Best poster for Conference on Plantation Commodities	Conference on Plantation Commodities	Poster award	2007
	7. 2007 Best poster for PIPOC 2007 International Palm Oil Congress	PIPOC 2007 International Palm Oil Congress	Poster award	2007
	8. 2006 Bronze medal winner for poster at the Exhibition of Invention, Research and Innovation UPM 2006	UPM	Poster award	2006
	9. 2003 Bronze medals for 4 posters at the Exhibition of Invention, Research and Innovation UPM 2003	UPM	Poster award	2003
	10. 2002 Silver Medal for the invention/innovation of Algal Biotechnology at Expo S&T 2002, 2-4 November 2002, Kuala Lumpur. Ministry of Science, Technology and the Environment of Malaysia.	Ministry of Science, Technology and the Environment of Malaysia.	Poster award	2002
	11. 2002 Silver medals winner for 2 posters at the Exhibition of Invention, Research and Innovation UPM 2002	UPM	Poster award	2002

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*	
Journal	1. **Ho C-L**, Phang S-M and Pang T (1995) Molecular characterization of *Sargassum polycystum* and *S. siliquosum* (Phaeophyta) by polymerase chain reaction (PCR) using random amplified polymorphic DNA (RAPD) primers. *J. Appl. Phycol.* **7,** 33-41. [IF:2.492] 2. **Ho C-L**, Phang S-M and Pang T (1995) Application of polymerase chain reaction (PCR) using random amplified polymorphic DNA (RAPD) primers in the molecular identification of selected *Sargassum* species (Phaeophyta, Fucales). *Eur. J. Phycol.* **30**, 273-280. [IF:2.338] 3. Saito K, Takagi Y, **Ho C-L**, Takahashi H and Noji M (1997) Molecular cloning, characterization and expression of cDNA encoding phosphoserine aminotransferase involved in phosphorylated pathway of serine biosynthesis from spinach. *Plant Mol. Biol.* **33,** 359-366. [IF:4.072] 4. **Ho C-L**, Noji M, Saito M, Yamazaki M and Saito K (1998) Molecular characterization of plastidic phosphoserine aminotransferase in serine biosynthesis from *Arabidopsis*. *Plant J.* **16,** 443-452. [IF:6.815] 5. **Ho C-L**, Noji M, Saito M and Saito K (1999) Regulation of serine biosynthesis in *Arabidopsis*: Crucial role of 3-phosphoglycerate dehydrogenase in non-photosynthetic tissues. *J. Biol. Chem.* **274,** 397-402. [IF:4.600] 6. **Ho C-L**, Noji M and Saito K (1999) Plastidic pathway of serine biosynthesis: Molecular cloning and expression of 3-phosphoserine phosphatase from *Arabidopsis thaliana*. *J. Biol. Chem*. **274,** 11007-11012. [IF:4.600] 7. **Ho C-L** and Saito K (2001) Molecular biology of plastidic phosphorylated serine biosynthetic pathway in *Arabidopsis thaliana Amino Acids* **20,** 243-259. [IF:3.653] 8. **Ho CL*,** Harikrishna K, Kodi Isparan K, Chin CF, and Siti Suhaila AR (2003) Variation in turfgrasses demonstrated by amplified fragment length polymorphism (AFLP). *Asia Pac. J. Mol. Biol. Biotech.* **11,** 51-55. 9. Chan C-X, Teo SS, **Ho C-L*,** Othman RY, and Phang S-M (2004) Optimisation of RNA extraction for marine red alga, *Gracilaria changii* (Gracilariales, Rhodophyta). *J. Appl. Phycol.* **16**, 297-301. [IF:2.492] 10. Teo CH, Tan, S. H., **Ho C. L.,** Faridah, Q. Z., Othman, R. Y., Heslop-Harrisson, J. S., Kalender, R., and Schulman, A. H. (2005) Genome constitution and classification using retrotransposon-based markers in the orphan crop banana. *J. Plant Biol.* **48**, 96-105. [IF:1.284] 11. Chan C-X, **Ho C-L,** and Phang S-M (2006) Trends in seaweed research. *Trends Plant Sci.* **11**, 165-166. [IF:14.220] 12. Nguyen PD, **Ho C-L***, Harikrishna JA, Wong MVL, and Raha AR (2006) Generation and analyses of expressed sequence tags from the mangrove plant, *Acanthus ebracteatus* Vahl. *Tree Genet. Genomes* **2**,196-201. [IF:2.435] 13. Teo S-S, **Ho C-L*,,** Teoh S, Lee W-W, Tee J-M, Raha AR and Phang S-M (2007) Analyses of expressed sequence tags (ESTs) from an agarophyte, *Gracilaria changii* (Gracilariales, Rhodophyta). *Eur. J. Phycol.* **42**, 41-46. [IF:2.338] 14. Wong Y-Y, **Ho C-L*,** Teo S-S, Nguyen PD., Teo S-S, Harikrishna JA, Wong MVL, and Raha AR (2007) Isolation of salinity tolerant genes from the mangrove plant, *Bruguiera cylindrica* (L.) Blume by using suppression subtractive hybridization (SSH) and bacterial functional screening. *Aquat. Bot.* **86**,117-122. [IF:1.471] 15. Wong TK-M, **Ho C-L*,** Lee W-W, Raha AR and Phang S-M (2007) Analyses of expressed sequence tags (ESTs) from *Sargassum binderi* (Phaeophyta). *J. Phycol.* **43**, 528-534. [IF:2.529] 16. Nguyen PD, **Ho C-L***, Harikrishna JA, Wong MVL, and Raha AR (2007) Functional screening for salinity tolerant genes from *Acanthus ebracteatus* Vahl using *Escherichia coli* as a host. *Trees* **21,** 515-520. [IF:2.154] 17. Chan K-L, **Ho C-L*,** Namasivayam P and Suhaimi N (2007) A simple and rapid method for RNA isolation from plant tissues with high phenolic compounds and polysaccharides. *Nature Protocols*

DOI:10.1038/nprot.2007.184

18. **Ho C-L***, Kwan Y-Y, Choi M-C, Tee S-S, Ng W-H, Lim K-A, Lee Y-P, Ooi S-E, Lee W-W, Tee J-M, Tan S-H, Kulaveerasingam H, Alwee SSRS, Abdullah MO (2007) Analysis and functional annotation of expressed sequence tags (ESTs) from multiple tissues of oil palm (*Elaeis guineensis* Jacq.) *BMC Genomics* **8,** 381. [IF:4.040]

19. Wong Y-C, **Ho C-L***, Harikrishna K, Mohd Zain A, Suhaimi N and Faridah QZ (2007) Analyses of expressed sequence tags (ESTs) from rice panicles of the *indica* rice cultivar MR84 during reproductive and grain filling stages and molecular characterization of ADP-glucose pyrophosphate small subunit. *Asia Pac. J. Mol. Biol. Biotech.* **15,** 81-90.

20. Seng TY, Faridah QZ, **Ho C-L,** Maizura I and Rao V (2007) Flanking AFLP markers for the *Virescens* trait in oil palm. *J. Oil Palm Res.* **19**, 381-392. [IF: 0.230]

21. **Ho C-L***, Nguyen PD, Harikrishna JA and Raha AR (2008) Sequence analysis and characterization of vacuolar-type H^+-ATPase proteolipid transcript from *Acanthus ebracteatus* Vahl. *DNA Sequence* **19,** 73-77. [IF:0.750]

22. Nguyen PD, **Ho C-L***, Teo S-S, Harikrishna JA and Raha AR (2008) Sequence and transcript analyses of antioxidant genes from *Acanthus ebracteatus* Vahl. *Tree Genet. Genomes* **4,** 705-713. [IF:2.435]

23. Omar AR, Wan Nur Syuhada WS, Nor Hanin A, Masura SS, Abdul Masani MY, **Ho CL**, Suhaimi N, Zulqarnain M and Sambanthamurthi R (2008). RTPCR amplification and cloning of partial DNA sequence coding for oil palm (*Elaeis oleifera*) phytoene synthase gene. *Asia Pac. J. Mol. Biol. Biotech.* **16,** 17-24.

24. Abdul Masani MY, Ahmad Parveez GK, and **Ho C-L** (2008) Transgenic plants producing polyhydroxyalkanoates. *Asia Pac. J. Mol. Biol. Biotech.* **16,**1-10.

25. Abdul Masani MY, **Ho, C. L.** and Ahmad Parveez, G.K. (2008) Construction of PHB and PHBV transformation vectors for bioplastic production in oil palm. *J. Oil Palm Res.* Special Issue on Malaysia-MIT Biotechnology Partnership Programme. **2**, 37-55. [IF: 0.230]

26. Omar AR, Parveez Ghulam KA, **Ho CL**, Sambanthamurthi R, and Suhaimi N (2009) Plant carotenoids: molecular genetics and regulation. *J. Oil Palm Res.* **21,** 588-601. [IF: 0.230]

27. **Ho C-L*,** Teoh S, Raha AR and Phang S-M (2009) Transcriptomic analysis of *Gracilaria changii* (Rhodophyta) in response to low irradiance. *Mar. Biotechnol.***11,** 513-519. [IF:3.152]

28. Chan K-L, **Ho C-L*,** Namasivayam P and Suhaimi N (2009) Isolation of floral transcripts from mangosteen (*Garcinia mangostana* L.). *Trees* **23,** 899–910. [IF:2.154]

29. Teo S-S, **Ho C-L*,** Teoh S, Raha AR and Phang S-M (2009) Transcriptomic analysis of *Gracilaria changii* (Rhodophyta) in response to hyper- and hypo-osmotic stresses. *J. Phycol*. **45,** 1093–1099. [IF:2.529]

30. Ho WY, Ky H, Yeap SK, Raha AR, Omar AR, **Ho CL**, and Alitheen NB (2009) Traditional practice, bioactivities and commercialization potential of *Elephantopus scaber* Linn. *J. Med. Plants Res.* **3,** 1212-1221.

31. Roowi SH, **Ho C-L**, Alwee SSRS, Abdullah MO, and Suhaimi N (2010) Isolation and characterization of differentially expressed transcripts from the suspension cells of oil palm (*Elaeis guineensis* Jacq.) in response to different concentration of auxins. *Mol. Biotechnol.* **46,** 1–19. [IF:2.275]

32. Lim K-A, Shamsuddin ZH, and **Ho C-L*** (2010) Transcriptomic changes in the root of oil palm (*Elaeis guineensis* Jacq.) upon inoculation with *Bacillus sphaericus* UPMB10. *Tree Genet. Genomes* **6,**793–800. [IF:2.435]

33. Sivakumar P, Law YS, **Ho C-L**, and Harikrishna JA (2010) High frequency plant regeneration from mature seed of elite, recalcitrant Malaysian Indica rice (*Oryza sativa* L.) cv. MR 219. *Acta Biol. Hung.* **61,** 313–321. [IF:0.793]

34. Omidvar V, Abdullah SNA, Izadfard A, **Ho CL**, and Mahmood M (2010) The oil palm metallothionein promoter contains a novel AGTTAGG motif conferring its fruit-specific expression

and is inducible by abiotic factors. *Planta* **232,** 925–936. [IF:3.376]

35. **Ho C-L*,** Teo SS, Raha AR and Phang S-M (2011) Transcripts of *Gracilaria changii* that improve copper tolerance of *Escherichia coli*. *Asia Pac. J. Mol. Biol. Biotech.* **18,** 315-319.

36. Thuc LV, Sarpan N, Ky H, Ooi S-E, Napis S, **Ho C-L**, Ong-Abdullah M, Chin C-F,and Namasivayam P (2011) A novel transcript of oil palm (*Elaeis guineensis* Jacq.), Eg707, is specifically upregulated in tissues related to totipotency. *Mol. Biotechnol.* **48,**156-64. [IF:2.275]

37. Nwe NT, Mahmood M, **Ho C-L**, Faridah QZ and Abdullah MZ (2011) Responses of some selected Malaysian rice genotypes to callus induction under *in vitro* salt stress. *African J. Biotech.* **10,** 350-362. [IF:0.570]

38. Lee WS, Li LP, **Ho CL**, and Harikrishna JA (2011) Identification of microRNA precursors in *Bruguiera* spp. *Bot. Mar.* **54,** 313–324. [IF:1.000]

39. Nwe NT, Mahmood M, **Ho C-L**, Faridah QZ and Abdullah MZ (2011) Regeneration capacity of cell suspension culture in Malaysian rice genotypes under salinity stress. *Asian J. Biotech.* **3,** 357-367.

40. Baharum H, Morita H, Tomitsuka A, Lee F-C, Ng K-Y, Raha AR, Abe I, and **Ho C-L*** (2011) Molecular cloning, modeling and site-directed mutagenesis of type III polyketide synthase from *Sargassum binderi* (Phaeophyta). *Mar. Biotech.* **13,** 845–856. [IF:3.152]

41. Teo C-J, Sudha CV, Namasivayam P and **Ho C-L*** (2011) Profiling the differentially expressed genes in two rice varieties during rapid grain-filling stages. *Acta Physiol Plant* **33,** 2259–2268. [IF:1.732]

42. Naher L, **Ho C-L***, Tan SG, Yusuf UK, and Abdullah F (2011) Cloning of transcripts encoding chitinases from *Elaeis guineensis* Jacq. and their expression profiles in response to fungal infections. *Physiol. Mol. Plant Pathol.* **76,** 96-103. [IF:1.987]

43. Ho WY, Yeap SK, **Ho CL**, Raha AR, Suraini AA, and Alitheen NB (2011) *Elephantopus scaber* induces cytotoxicity in MCF-7 human breast cancer cells via p53-induced apoptosis. *J. Med. Plants Res.* **5,** 5741-5749.

44. Siow R-S, Teo S-S, Ho W-Y, Shukor MYA., Phang S-M, and **Ho C-L*** (2012) Molecular cloning and biochemical characterization of galactose-1-phosphate uridylyltransferase from *Gracilaria changii* (Rhodophyta). *J. Phycology* **48,** 155–162. [IF:2.529]

45. Sultana S, Khew CY, Morshed MM, Namasivayam P, Napis S, and **Ho CL*** (2012) Overexpression of monodehydroascorbate reductase (AcMDHAR) from a mangrove plant confers salt tolerance in rice. *J. Plant Physiol.* **169,** 311– 318. [IF:2.770]

46. Habib SH, Syed-Alwee SSR, **Ho C-L**, Ong-Abdullah M, Sinniah UR, and Namasivayam P (2012) Morpho-histological characterization of truncated leaf syndrome seedlings: an oil palm (*E. guineensis* Jacq.) somaclonal variant. *Acta Physiol. Plant.* **34**,17–28. [IF:1.732]

47. Naher L, Tan SG, Yusuf UK, **Ho C-L**, and Abdullah F (2012) Biocontrol agent *Trichoderma harzianum* strain FA 1132 as an enhancer of oil palm growth. *Pertanika J. Trop. Agric. Sci.* **35,**173-182.

48. Mohd. Yusoff NF, Syed-Alwee SSAR, Ong-Abdullah M, **Ho C-L**, and Namasivayam, P (2012) A time course anatomical analysis of callogenesis from young leaf explants of oil palm (*Elaeis guineensis* Jacq.). *J. Oil Palm Res.* **24,**1330-1341. [IF: 0.230]

49. Omidvar V, Abdullah SNA, **Ho CL**, Mahmood M, and Al-Shanfari AB (2012) Isolation and characterization of two ABRE-binding proteins: EABF and EABF1 from the oil palm. *Mol. Biol. Rep.* **39,** 8907–8918. [IF:1.958]

50. Naher L, Tan SG, Yusuf UK, **Ho CL**, and Siddiquee S (2012) Activities of chitinase enzymes in the oil palm (*Elaeis guineensis* Jacq.) in interactions with pathogenic and non-pathogenic fungi. *Plant Omics J.* **5,** 333-336. [IF:0.777]

51. Naher L, Tan SG, **Ho CL**, Yusuf UK, Ahmad SH, and Abdullah F (2012) mRNA expression of EgCHI1, EgCHI2, and EgCHI3 in oil palm leaves (*Elaeis guineesis* Jacq.) after treatment with *Ganoderma boninense* Pat. and *Trichoderma harzianum* Rifai. *Sci. World J.* **2012**, Article ID 647504.

52. Yeap W-C, Ooi TEK, Namasivayam P, Kulaveerasingam H, and **Ho C-L*** (2012) EgRBP42 encoding a hnRNP-like RNA-binding protein from *Elaeis guineensis* Jacq. is responsive to abiotic stresses. *Plant Cell Rep.* **31,**1829–1843. [IF:2.936]

53. **Ho C-L**, Wu Y, Shen H-B., Provart NJ, and Geisler M (2012) A predicted rice interactome. *Rice* **5,**15. [IF:2.450]

54. Yeoh KA, Abrizah A, Faridah A, Sariah M, and **Ho CL*** (2012) Sequence analysis and gene expression of putative exo- and endo-glucanases from oil palm (*Elaeis guineensis* Jacq.) during fungal infection. *J. Plant Physiol.* **169,**1565–1570. [IF:2.770]

55. Ho WY, Yeap SK, **Ho CL**, Abdul Rahim R, and Alitheen NB. (2012) Hepatoprotective activity of *Elephantopus scaber* on alcohol-induced liver damage in mice. *Evid- Based Comp. Alt Med.* **2012,** Article ID 417953. [IF:2.175]

56. Ho WY, Yeap SK, **Ho CL**, Rahim RA, and Alitheen NB (2012) Development of multicellular tumor spheroid (MCTS) culture from breast cancer cell and high throughput screening method using the MTT assay. *PLOS ONE* **7,** e44640. [IF:3.534]

57. Habib SH, Ooi S-E, Novák O, Tarkowská D, Rolčík J, Doležal K, Syed-Alwee SSR, **Ho C-L**, and Namasivayam P (2012) Comparative mineral and hormonal analyses of wild type and TLS somaclonal variant derived from oil palm (*Elaeis guineensis* Jacq. var. tenera) tissue culture. J *Plant Growth Regulation* **68***,* 313-317. [IF:2.058]

58. Yeoh KA, Abrizah A, Faridah A, Sariah M, and **Ho CL*** (2013) Molecular cloning and transcript analysis of chitinases from oil palm (*Elaeis guineensis* Jacq.). *Mol. Biol. Rep.* **40,**147–158. [IF: 2.506]

59. Omidvar V, Abdullah SNA, **Ho CL**, and Mahmood M (2013) Isolation and characterization of an ERE-binding protein; EgEREBP from oil palm. *Aust. J. Crop Sci.* **7,** 219-226. [IF: 1.632]

60. Sarpan N, Ooi S-E, Ong-Abdullah M, **Ho C-L**, Chin C-F, and Namasivayam P (2013) Representational difference analysis (RDA) for the identification of DNA marker's associated with tissue culture amenity in oil palm. *J. Oil Palm Res.* **25,** 305-313. [IF: 0.230]

61. Tee S-S, Tan Y-C, Abdullah F, Abdullah MO and **Ho C-L*** (2013) Transcriptome of oil palm (*Elaeis guineensis* Jacq.) roots treated with *Ganoderma boninense*. *Tree Genet Genomes* **9,** 377–386. [IF:2.435]

62. Baharum H, Chu W-C, Teo S-S, Ng K-Y, Rahim RA, and **Ho C-L*** (2013) Molecular cloning, homology modeling and site-directed mutagenesis of vanadium-dependent bromoperoxidase (GcVBPO1) from *Gracilaria changii* (Rhodophyta). *Phytochemistry* **92,** 49–59. [IF:3.350]

63. Sim M-C., **Ho C-L** and Phang S-M (2013) A simple and effective method for RNA isolation and cDNA library construction from the brown seaweed *Sargassum polycystum* (Fucales, Phaeophyceae). *J. Appl. Phycol.* **25,**1277-1285. [IF:2.492]

64. Siow R-S, Teoh S, Teo S-S, Abd Shukor MY, Phang S-M, and **Ho C-L*** (2013) Molecular cloning and biochemical characterization of GDP-mannose epimerase from *Gracilaria changii*. *J. Appl. Phycol.* **25,**1309–1318. [IF:2.492]

65. Tan Y-C, Yeoh K-A, Wong M-Y, and **Ho C-L*** (2013) Expression profiles of putative defence-related proteins in oil palm (*Elaeis guineensis*) colonized by *Ganoderma boninense. J. Plant Physiol.* **170,** 1455– 1460. [IF:2.770]

66. Omidvar V, Abdullah SNA, Ebrahimi M, **Ho CL**, and Mahmood M (2013) Gene expression of the oil palm transcription factor EgAP2-1 during fruit ripening and in response to ethylene and ABA treatments. *Biologia Plantarum* **57,** 646-654. [IF:1.692]

67. Naseron NAH, Lim K-A, Teh S-L, Teo S-S, Leow ATC, Namasivayam P, and **Ho C-L*** (2014) Molecular characterization and homology modeling of a short-chain reductase/dehydrogenase from *Gracilaria changii* (Rhodophyta). *J. Appl. Phycol.* **26,** 665–674. [IF:2.492]

68. Lim FH, Iskandar NF, Rasid AO, Idris SS, Ahmad Parveez, GK, and **Ho C-L**, Shaharrudin NA (2014) Isolation and selection of reference genes for *Ganoderma boninense* gene expression study using quantitative real-time PCR (qPCR). *J. Oil Palm Res.* **26,**170-181. [IF: 0.230]

69. Subramani T, Yeap SK, Ho WY, **Ho CL**, Omar AR, Aziz SA, Rahman NMANA, and Alitheen NB. (2014) Vitamin C suppresses cell death in MCF-7 human breast cancer cells induced by tamoxifen. *J. Cell. Mol. Med.* **18,**305-313. [IF: 4.753]

70. Nwe NT, **Ho C-L**, Zaman FQ, and Maziah M (2014) Plant genetic transformation efficiency of selected Malaysian rice based on selectable marker gene (hptII). *Pakistan J. Biol.Sci.* **17,** 472-481.

71. Lee WK, Namasivayam P, and **Ho C-L*** (2014) Effects of sulfate starvation on agar polysaccharides of *Gracilaria* species (Gracilariaceae, Rhodophyta) from Morib, Malaysia. *J. Appl. Phycol.* **26,**1791–1799. [IF:2.492]

72. Ngu MS, Thomson MJ, Bhuiyan MAR, **Ho CL** and Wickneswari R (2014) Fine mapping of a grain weight quantitative trait locus, qGW6, using near isogenic lines derived from *Oryza rufipogon* IRGC105491 and *Oryza sativa* cultivar MR219. *Genet. Mol. Res.* **13,** 9477-9488. [IF: 0.994]

73. Yeap W-C, Namasivayam P and **Ho C-L*** (2014) HnRNP-like proteins as post-transcriptional regulators. *Plant Sci.* **227,** 90–100. [IF:4.114]

74. Chan SN, Norliza AB, Maziah M, **Ho C-L** and Noor Azmi S (2014) Molecular cloning and characterization of novel phytocystatin gene from turmeric, *Curcuma longa*. *BioMed Res. Int.* **2014,** Article ID 973790. [IF:2.880]

75. Intan Nur Ainni MA, Namasivayam P, **Ho C-L**, Sharifah SRSA and Mohamad Arif AM (2014) Differentially expressed transcripts related to height in oil palm. *J. Oil Palm Res.* **26,** 308-316. [IF: 0.230]

76. Sultana S, Tureéková V, **Ho C-L**, Napis S and Namasivayam P (2014) Molecular cloning of a putative *Acanthus ebracteatus*-9-cis epoxycarotenoid deoxygenase (AeNCED) and its overexpression in rice. *J. Crop Sci. Biotech.* **17,** 239-246.

77. Ramachandran V, Ong-Abdullah M and **Ho CL**, Syed Alwee SSR and Namasivayam P (2014) Modified RNA *in situ* hybridization protocol for oil palm (*Elaeis guineensis* Jacq.) fruits and inflorescences tissues. *J. Oil Palm Res.* **26,** 300-307 [IF: 0.230]

78. Sultana S, **Ho C-L**, Namasivayam P and Napis S (2014) Genotypic differences in response to hygromycin effect on untransformed calli death and rice germination. *Bangladesh Rice J.* **18,** 38-43

79. Habib SH, **Ho CL**, Syed-Alwee SSR and Namasivayam P (2015) Molecular analysis on the shoot apical meristem of truncated leaf syndrome plantlets of oil palm. *Plant Cell Tiss. Organ Cult.* **120,**1023–1036. [IF: 2.612]

80. Teh CY, Maziah M, Noor Azmi S and **Ho CL** (2015) *In vitro* rice shoot apices as simple model to study the effect of NaCl and the potential of exogenous proline and glutathione in mitigating salinity stress. *Plant Growth Regulation* **75**, 771–781 [IF: 1.625]

81. Hama-Ali EO, Panandam JM, Tan SG, Syed Alwee SSR, Tan JS, **Ho CL**, Namasivayam P, Hoh BP (2015) Association between basal stem rot disease and simple sequence repeat markers in oil palm, *Elaeis guineensis* Jacq. *Euphytica* **202**, 199-206. [IF: 1.643]

82. Kwan Y-M, Meon S, **Ho C-L**, and Wong M-Y (2015) Cloning of nitric oxide associated 1 (NOA1) transcript from oil palm *(Elaeis guineensis*) and its expression during *Ganoderma* infection. *J. Plant Physiol.* **174**,131-136. [IF:2.770]

83. **Ho C-L*** and Tan Y-C (2015) Molecular defense response of oil palm to *Ganoderma* infection. *Phytochemistry* **114,** 160–169 [IF:3.350]

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H. PROJEK PENYELIDIKAN TERDAHULU *(Past Research Project)*					
Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*
	Expression and characterization of putati red algal chondroitin sulf synthases in *Pichia past* and *Chlamydomonas reinhardtii*	Project leader	2023-2025	Geran Putra IPS	In progress
FRGS/1/2021/STG01/UPM/01/1	Analysis of sequence-to-function relationship of putative red algal carbohydrate sulfotransferases and reconstruction of sulfated galactan biosynthetic pathway in *Chlamydomonas reinhardtii*	Project leader	2021-2024	Fundamental Research Grant Scheme (FRGS) (Ministry of Higher Education)	Completed
UPM/700-2/1/GPB/2018/9598300	Molecular cloning and functional analysis of a novel necrosis and ethylene inducing protein from *Ganoderma boninense*, the causal agent of basal stem rot (BSR) disease in oil palm	Project leader	2018-2020	Putra Berimpak (Universiti Putra Malaysia)	Completed
FRGS/1/2016/STG05/UPM/02/18/	Analysis of single nucleotide polymorphisms (SNPs) of rice gene (LOC_Os03g32580) encoding putative BRASSINOSTEROID-INSENSITIVE 1-associated receptor kinase in relation to yield traits	Project leader	2016-2020	Fundamental Research Grant Scheme (FRGS) (Ministry of Education)	Completed
GP-IPS/2016/9487700	Identification and analysis of protein markers for screening of agar yield and gel strength in *Gracilaria* speceis	Project leader	2016-2018	Putra Siswazah (Universiti Putra Malaysia)	Completed
GP-IPB/2015/9451200	Cloning and characterization of transcripts encoding fungal lignin degrading enzymes from *Ganoderma* sp.	Project leader	2015-2017	Putra Siswazah (Universiti Putra Malaysia)	Completed
GP-IPB/2013 /9413601	Subproject1: Development of A Work-flow for High Throughput Sequence Analysis in A Web-based Portal with Oil Palm Defensome Data	Sub-Project leader	2013-2016	Putra Berkumpulan (Universiti Putra Malaysia)	Completed
02-01-04-SF1282	Development of Expressed Markers for *Gracilaria* Species With Higher Yield and Quality of Agar	Project leader	2012-2014	eScienceFund (Ministry of Science, Technology and Innovation)	Completed
07-01-12-1099FR	Conserved Structural Features of	Project leader	2012-2014	Fundamental Research Grant	Completed

	Galactosyltransferases from An Agar Producing Seaweed, *Gracilaria changii*			Scheme (FRGS) (Ministry of Education)	
9300368	Molecular Characterization of Oil Palm cDNAs Involved During Host-pathogenic Interactions	Project leader	2011-2012	Putra Siswazah (Universiti Putra Malaysia)	Completed
01-04-10-769FR	Profiling the transcriptome of *Gracilaria changii* through massively parallel RNA-sequencing	Project leader	2010-2012	FRGS	Completed

Other completed projects before 2011 were not listed.

I. ID PUBLISHING *(Publishing ID)*		
	Author ID	***Name***
Scopus	1. 7404653195	1. Ho, Chai-Ling
ORC ID		
Web of Science ID		
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Others		