

CURRICULUM VITAE



| A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i> | | | |
|--|---|--|-----------------------------------|
| Nama Penuh <i>(Full Name)</i> | CHIN KIT LING | | Gelaran <i>(Title)</i> : DR |
| No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i> 840419-08-5798 | Warganegara <i>(Citizenship)</i> MALAYSIA | Bangsa <i>(Race)</i> Chinese | Jantina <i>(Gender)</i> Female |
| Jawatan <i>(Designation)</i> | Post Doctoral Researcher | Tarikh Lahir <i>(Date of Birth)</i> | 19 April 1984 |

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| Alamat Semasa <i>(Current Address)</i> | Jabatan/Fakulti <i>(Department/Faculty)</i> | E-mel dan URL <i>(E-mail Address and URL)</i> |
| | LABORATORY OF BIOPOLYMER AND DERIVATIVES INSTITUTE OF TROPICAL FORESTRY AND FOREST PRODUCTS Tel: 03-89466916 Fax: 03-89471896 | E-mail: c_kitling@upm.edu.my URL: H/P: 016-2027204 |

| B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i> | | | |
|---|---|---------------------------------|--|
| Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i> | Nama Sekolah Institusi <i>(Name of School / Institution)</i> | Tahun <i>(Year obtained)</i> | Bidang pengkhususan <i>(Area of Specialization)</i> |
| PhD | INTROP Universiti Putra Malaysia | 2014 | Biopolymer and Derivatives |
| MSc | Fakulti Perhutanan Universiti Putra Malaysia | 2010 | Wood Science and Technology |
| BSc | Fakulti Perhutanan Universiti Putra Malaysia | 2007 | Forestry |

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

| D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation) | | | | |
|---|--------------------------|-------------|----------|----------------------------|
| Organization | Position | Start Date | End Date | Expertise |
| Institute of Tropical forestry and Forest Products, UPM | Post-Doctoral Researcher | 15 Jan 2015 | - | Biopolymer and Derivatives |
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| E. PEKERJAAN (Employment) | | | | |
|----------------------------------|--------------------------|--|------------------------------|---------------------------|
| Majikan / Employer | Jawatan / Designation | Jabatan / Department | Tarikh lantikan / Start Date | Tarikh tamat / Date Ended |
| Universiti Putra Malaysia | Post Doctoral Researcher | Institute of Tropical Forestry and Forest Products | 15 Jan 2015 | - |

| F. ANUGERAH DAN HADIAH (Honours and Awards) | | | | |
|--|------------------------------|---------------------|---------------|------|
| Name of awards | Title | Award Authority | Award Type | Year |
| Academic Awards | Graduate Research Fellowship | UPM | National | 2007 |
| | MYBRAIN15 | MOHE | National | 2010 |
| Non-Academic Awards | | | | |
| Awards of Merit | Silver Medal | Pecipta 2011 | National | 2011 |
| | Gold Medal | Biolnno Awards 2010 | International | 2010 |
| | Silver Medal | PRPI 2010 | National | 2010 |

| 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) | |
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| Journal | <p>K.L. Chin, P.S. H'ng, M.T. Paridah, K. Szymona, M. Maminski, S.H. Lee, Lum W.C. 2015. Reducing Ash Related Operation Problems Of Fast Growing Timber Species And Oil Palm Biomass For Combustion Applications Using Leaching Techniques. <i>Energy</i> 90; 622-630</p> <p>Chin Kit Ling, Eng Hooi Kyin, Lee Seng Hua, Lum Wei Chen, Chin Yin Yee. 2015. Yield And Calorific Value Of Bio Oil Pyrolysed From Oil Palm Biomass And Its Relation With Solid Residence Time And Process Temperature. <i>Asian Journal Of Scientific Research</i> 8(3); 351</p> <p>Wong W.Z., H'ng P.S., Chin K.L., Ahmad Said Sajap, Tan G.H., Paridah M.T., Soni Othman, Chai E.W., Go W.Z. 2015. Preferential Use Of Carbon Sources In Culturable Aerobic Mesophilic Bacteria Of Coptotermes Curvignathus's (Isoptera:Rhinotermitidae) Gut And Its Foraging Area. <i>Environmental Entomology</i>. 44(5):1367-1374.</p> <p>Go W.Z., H'ng P.S., Wong M.Y., Tan G.H., Luqman Chuah A., Toczyłowska-Maminska R., Wong W.Z., Chin K.L., Chai E.W. 2015. Occurrence and characterization of mycoflora in soil of different health conditions associated with white rot disease in Malaysia rubber plantation. <i>Journal of Rubber Research</i>. 18(3):159-170.</p> <p>Nurliyana M.Y., H'ng P.S., Rasmina H., Kalsom M.S.U., Chin K.L., Lee S.H., Lum W.C. 2015. Effect Of C/N Ratio In Methane Productivity And Biodegradability During Facultative Co-Digestion Of Palm Oil Mill Effluent And Empty Fruit Bunch. <i>Industrial Crops And Products</i> 76, 409-415.</p> <p>Lee Seng Hua, Zaidon Ashaari, Lum Wei Chen, H'ng Paik San, Tan Li Peng, Chow May Jinn, Chai, Ee Wen, Chin Kit Ling. 2015. Properties Of Particleboard With Oil Palm Trunk As Core Layer In Comparison To Three-Layer Rubberwood Particleboard. <i>Journal Of Oil Palm Research</i>. 27 (1); 67-74</p> <p>Karolina Szymona, Piotr Borysiuk, Paik San H'ng, Kit Ling Chin, Mariusz Mamin'ski. 2014. Valorization of waste oil palm (<i>Elaeis guineensis</i> Jacq.) biomass through Furfurylation. <i>Materials and Design</i> 53:425-429</p> <p>Wong L.J., H'ng P.S., Wong S.Y., Lee S.H., Lum W.C., Chai E.W., Wong W.Z and Chin K.L. 2014. Temites digestomes as a potential source of symbiotic microbiota for lignocelluloses degradation: A review. <i>Pakistan Journal of Biological Sciences</i> 17(8):956-963.</p> <p>Lee S.H., H'ng P.S., Lum W.C., Zaidon A., Bakar E.S., Nurliyana, M.Y., Chai, E.W. and Chin K.L. 2014. Mechanical and physical properties of oil palm trunk core particleboard bonded with different UF resins. <i>Journal of Oil Palm Research</i> 26(2): 163-169.</p> <p>Chin May Ji, Poh Phaik Eong, Tey Beng Ti, Chan Eng Seng and Chin Kit Ling. 2013. Biogas from palm oil mill effluent (POME): Opportunities and challenges from Malaysia's perspective. <i>Renewable and Sustainable Energy Reviews</i> 26:717-726.</p> <p>Chai E.W., H'ng P.S., Chin K.L., S.H. Peng, W.M. Wan-Azha, Chow M.J.: and Wong W.Z. 2013. Compost feedstock characteristics and ratio modeling for organic waste materials co-composting in Malaysia. <i>Environmental Technology</i>.</p> |

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| | Sep-Oct 34(17-20):2859-66. |
| | H'ng P.S., Chin K.L. , Chai L.Y., Tay P.W., Eng H.K., Wong S.Y., Wong W.Z., Chow M.J. and Chai E.W. 2013. Urea formaldehyde impregnated oil palm trunk as the core layer for three-layered board. <i>Materials and Design</i> . 50: 457-462. |
| | Chin, K.L. , H'ng, P.S., Go, W.Z., Wong, W. Z., Lim T. W., Maminski, M., Paridah, M.T. and Luqman, A.C. 2013. Optimization of torrefaction conditions for high energy density solid biofuel from oil palm biomass and fast growing species available in Malaysia. <i>Industrial Crops and Products</i> 49:768– 774. |
| | Tay P.W., H'ng P.S., Chin K.L. , Wong L.J., Luqman A.C. 2013. Effects of steeping variables and substrate mesh size on starch yield extracted from oil palm trunk. <i>Industrial Crops and Products</i> 44: 240– 245. |
| | Chin K.L. , H'ng P.S., Chai E.W., Tey B.T., Chin M.J., Paridah M.T., Luqman A.C. and Maminski M. 2013. Fuel characteristics of solid biofuel derived from Oil Palm biomass and fast growing timber species in Malaysia. <i>Bioenergy Research</i> 6:75–82. |
| | Peng S.H., Wan-Azha W.M., Wong W.Z., Go W.Z., Chai E.W., Chin K.L. , H'ng P.S. Effect of using agro-fertilizers and N-fixing Azotobacter enhanced biofertilizers on the growth and yield of corn. 2013. <i>Journal of Applied Sciences</i> . 13: 508-512. |
| | Chin K.L. , H'ng P.S., Mamiński M. 2012. High density solid biofuel from oil palm biomass. <i>Annals of Warsaw University of Life Sciences - SGGW. Forestry and Wood Technology</i> 77: 107-117. |
| | H'ng P.S., Chin K.L. , Mamiński M. 2012. Feasibility of bioethanol conversion from lignocellulosic biomass in Malaysia. <i>Annals of Warsaw University of Life Sciences - SGGW. Forestry and Wood Technology</i> 78: 76-82. |
| | Chin K.L. , H'ng P.S., Wong L.J., Tey B.T. and Paridah M.T. 2011. Production of glucose from oil palm trunk and sawdust of rubberwood and mixed hardwood. <i>Applied Energy</i> 88(11): 4222-4228. |
| | Chai L.Y., H'ng P.S., Lim C.G., Chin K.L. , Jusoh M.Z. and Bakar E.S. 2011. Production of oil palm trunk core board with wood veneer laminations. <i>Journal of Oil Palm Research</i> . 23(December):1166-1171. |
| | H'ng, P.S., Wong, L.J., Chin, K.L. , Tor, E.S., Tan, S.E., Tey, B.T., Maminski, M., 2011. Oil palm (<i>Elaeis guineensis</i>) trunk as a resource of starch and other sugars. <i>J. Appl. Sci.</i> 11(16), 3053-3057. |
| | Chin K.L. , H'ng P.S., Wong L.J., Tey B.T., Paridah M.T. 2010. Optimization study of ethanolic fermentation from oil palm trunk, rubberwood and mixed hardwood hydrolysates using <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> . 101(9): 3287-3291 |
| | H'ng P.S., Chai L.Y., Chin K.L. , Mamiński M. 2010. Oil palm wood (<i>Elaeis guineensis</i> Jacq.) as an underutilized resource of raw materials. <i>Annals of Warsaw University of Life Sciences - SGGW. Forestry and Wood Technology</i> 71: 235-239 |
| | H'ng P.S., Paridah M.T. and Chin K.L. 2010. Bending properties of laminated veneer lumber produced from keruing (<i>Dipterocarpus</i> sp.) reinforced with low density wood species. <i>Asian J. Scientific Res.</i> , 3 (2): 118-125. |
| | Chin Kit Ling and H'ng Paik San. 2008. Solid hardwood flooring resistance to termites (<i>Coptertermes curvignathus</i>) under laboratory condition. <i>The Malaysian Forester</i> 71(2):131-137 |
| Chapter in book | Chow May Jinn, H'ng Paik San, Chin Kit Ling , Chai Ee Wen, Paridah Md Tahir, Lee Seng Hua, Lum Wei Chen, Luqman Chuah and Mariusz Maminski. 2015. Empty Fruit Bunches In The Race For Energy, Biochemical, And Material Industry. K. R. Hakeem Et Al. (Eds.), <i>Agricultural Biomass Based Potential Materials</i> , DOI: 10.1007/978-3319-13847-3_17, Springer International Publishing, Switzerland, <i>Agricultural Biomass Based Potential Materials</i> , 375-389. |
| | Kit-Ling Chin , Paik-San H'ng, and Paridah Md Tahir. 2014. Unlocking the Destructive Powers of Wood-Eating Termites: From Pest to Biopolymer Derivatives Extractor. K.R. Hakeem et al. (eds.), <i>Biomass and Bioenergy: Applications</i> , DOI 10.1007/978-3-319-07578-5_15, Springer International Publishing, Switzerland. |
| | Chin K.L. and H'ng P.S. 2013. A Real Story of Bioethanol from Biomass: Malaysia Perspective, <i>Biomass Now - Sustainable Growth and Use</i> . Dr. Miodrag Darko Matovic (ed.), ISBN: 978-953-51-1105-4, InTech, DOI: 10.5772/51198. Available from: http://www.intechopen.com/books/biomass-now-sustainable-growth-and-use/a-real-story-of-bioethanol-from-biomass-malaysia-perspective |
| Proceedings | Chin K.L. , H'ng P.S., and Paridah M.T. 2014. Removal of oil palm biomass ash forming elements. 12 – 13 November 2014, Medan, Indonesia. |
| | Chin K.L. , H'ng P.S., Mamiński M. 2012. High density solid biofuel from oil palm biomass. In Proceeding: 24-th International Scientific Conference of Wood Technology Faculty. 20 to 21 November 2012. Rogów, Poland. |
| | H'ng P.S., Chin K.L. , Mamiński M. 2012. Feasibility of bioethanol conversion from lignocellulosic biomass in Malaysia. In Proceeding: 24-th International Scientific Conference of Wood Technology Faculty. 20 to 21 November 2012. Rogów, Poland. |
| | H'ng P.S., Chai L.Y., Chin K.L. , Mamiński M. 2010. Oil palm wood (<i>Elaeis guineensis</i> Jacq.) as an underutilized resource of raw materials. In Proceeding: 24-th International Scientific Conference of Wood Technology Faculty. 16 to 17 November 2010. Rogów, Poland. |
| | H'ng Paik San, Chin Kit Ling , Tey Beng Ti and Paridah M.T. 2009. Oil Palm Waste for The Production of Bio-ethanol. In Proceeding: 4 th International Bioenergy Conference. 31 August - 4 September 2009. Jyväskylä, Finland. |
| | H'ng P.S., Chan C.J., Chin K.L. and Nobuchi, T. 2009. Three Layer Particleboard from Kenaf (<i>Hibiscus Cannabinus</i> L.). In Proceeding: The 7 th Pacific Regional Wood Anatomy Conference. 3 – 5 August 2009. Kuala Lumpur, Malaysia. |
| | H'ng P.S., Nobuchi T., Khor B.N., Chin K.L. , Noraini, A.S. and Paridah, M.T. Anatomical Structures, Fiber Morphology and Chemical Constituents of Different Kenaf Varieties In Proceeding: The 7 th Pacific Regional Wood Anatomy Conference. 3 – 5 August 2009. Kuala Lumpur, Malaysia. |
| | H'ng Paik San, Chin Kit Ling , Tey Beng Ti and Paridah M.T. 2008. Effect Of Sulfuric Acid Concentration And Hydrolysis Time On The Glucose Yield Hydrolysed From Lignocellulosic Materials In Malaysia. In Proceeding: 3 rd International Conference & Exhibition on Environmentally-Compatible Forest Products. Universidade Fernando Pessoa, Porto, Portugal. 10-12 September 2008. |
| | H'ng P.S., Chin K.L. and Chai L.Y. 2008. The Fingerprints of Malaysia Tropical Hardwood. In:The International Furniture Conference Exhibition. 28-30 July 2008. Kuala Lumpur. |

| H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project) | | | | | |
|---|---|-------------|-------------|---|---------------|
| <i>Project No.</i> | <i>Project Title</i> | <i>Role</i> | <i>Year</i> | <i>Source of fund</i> | <i>Status</i> |
| FRGS/1/2013/SG06/UPM/02/3 | Investigation of catalytic reaction in ash forming elements of oil palm biomass under thermal pyrolysis process on bio-crude oil yield for bioenergy sector | Member | 2015 | Ministry of Higher Education (MOHE), Malaysia | On-going |
| FRGS/1/2015/ST04/UPM/02/4 | Assessment of mangrove zonations, tree species diversity and their chemical constituents across intertidal zones at different locations of mangrove ecosystem at Matang Forest Reserve in Peninsular Malaysia | Member | 2015 | Ministry of Higher Education (MOHE), Malaysia | On-going |
| PRHQ-CT-14-002 | Development of Washing System for Empty Fruit Bunches (EFB) | Member | 2014 | Private funding (Private Company) | On-going |
| GP-IPB/2013/9413404 | Production of Bamboo Solid Biofuel Pellet From Bamboo Processing Residues | Member | 2013 | Research Universiti Grant Scheme (RUGS) | Completed |
| FRGS/1/2013/SG06/UPM/02/3 | Investigation of Molten Structure Formation under High Temperature Combustion of Fast Growing Timbers to Manage Deposits inside Biomass Furnace | Member | 2013 | Ministry of Higher Education (MOHE), Malaysia | Completed |