

## CURRICULUM VITAE

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### PERSONAL PARTICULARS

Full name : SONG BENG KAH  
Sex : Male  
Nationality : Malaysian

### TERTIARY EDUCATION

July 2016 Graduate Certificate in Higher Education  
Monash University  
Apr 2006 Doctor of Philosophy (Genetics)  
National University of Malaysia  
May 2000 Diploma in Education (Biology & Chemistry),  
University of Science Malaysia  
Feb 1999 Master of Science (Genetics)  
National University of Malaysia  
Apr 1996 Bachelor of Science (Cell and Molecular Biology)  
National University of Malaysia

### WORKING EXPERIENCE

Jan 2014 onwards Senior Lecturer in Genetics, School of Science, Monash  
University Malaysia.  
May 2006 – Dec 2013 Lecturer in Genetics, School of Science, Monash University  
Sunway Campus, Malaysia.  
April 2002 – Dec 2005 Tutor / Graduate Research Assistant, Faculty of Science and  
Technology, National University of Malaysia.

### RESEARCH INTERESTS

Genetics, genomics, transcriptomics and molecular evolution of weedy rice and other eukaryotic species (i.e. rice, barnyard grass, medicinal plants, *Eimeria*).

### GRANTS AWARDED

- (1) 2007-2009: **USD 57,300** for a project entitled “Comparative genomics in *Eimeria* species”, a collaboration with Malaysia Genome Institute and Institute for Animal Health, UK. Grant awarded by the Ministry of Science, Technology & Innovation, Malaysia. (Role: **Project Leader** for Monash University and Supervisor). Status: Completed.
- (2) 2010-2013: **USD 48,100** for a project entitled “Determination of genetic variability and development of molecular markers for weedy rice”. Grant awarded by the Ministry of Agriculture and Agro Based Industry. (Role: **Principal Investigator** and Supervisor). Status: Completed.

- (3) 2010-2013: **USD 12,500** for a project entitled “Molecular phylogeny of *Bulbophyllum* species from Peninsular Malaysia : implications for pollinator - floral traits co-evolution. Grant awarded by the Ministry of Higher Education (Fundamental Research Grant Scheme). (Role: **Principal Investigator** & Supervisor). Status: Completed.
- (4) 2010-2011: **USD 9,400** for a project entitled “Comparative Genome Analysis of the *Eimeria* GPI locus”. Grant awarded by the Monash University. (Role: **Principal Investigator**). Status: Completed.
- (5) 2009-2013: **USD 9,400** for a pilot study on “DNA Barcoding in Malaysian Freshwater Fishes”, a collaboration with Freshwater Fisheries Research Centre. (Role: **Project Leader** for Monash University and Supervisor). Status: Completed.
- (6) 2011-2013: USD 36,300 for a project entitled “Molecular diagnostic method for speedy and accurate identification of malaria parasite species”. Grant awarded by the Ministry of Higher Education (Fundamental Research Grant Scheme). (Role: Co-worker and supervisor). Status: Completed.
- (7) 2015-2018: **USD 35,700** for a project entitled “Development of genotyping-by-sequencing using Mi-Seq for assessment of genetic diversity and genetic structure of Sabah weedy rice”. Grant awarded by the Ministry of Higher Education (Fundamental Research Grant Scheme). (Role: **Principal Investigator** & Supervisor). Status: On-going.
- (8) 2016-2019: USD 20,000 for a project entitled “Whole genome sequencing of local *Vibrio parahaemolyticus* strains associated with Early Mortality Syndrome for improved outbreak control, microbial monitoring and management in Malaysian shrimp industry”. Grant awarded by the Ministry of Higher Education (Fundamental Research Grant Scheme). (Role: Co-worker and supervisor). Status: On-going.
- (9) 2017-2018: **USD 4,500** for a project entitled “Population genomics studies of Malaysian weedy rice”. Grant awarded by Tropical Medicine and Biology, Monash University (Seed Fund). (Role: **Principal Investigator** & Supervisor). Status: On-going.

## PUBLICATIONS

### (A) Research Papers:

1. Urszula Krzeminska, Robyn Wilson, **Beng Kah Song**, Christopher M Austin, Paul Sunnucks, Alexandra Pavlova, Chris Greening, Hernán E Morales, Sadequr Rahman. 2018. Population mitogenomics provides insights into evolutionary history, source of invasions and diversifying selection in the House Crow (*Corvus splendens*). *Heredity* **120**(4): 296-309.
2. Cynthia C. Vigueira, Xinshuai Qi, **Beng-Kah Song\***, Lin-Feng Li, Ana L. Caicedo, Yulin Jia, and Kenneth M. Olsen. 2017. Call of the wild rice: *Oryza rufipogon* shapes weedy rice evolution in Southeast Asia. *Evolutionary Applications* Special Issue: 1-12.
3. Ting Xiang Neik, **Beng Kah Song**, Paul Davidson. 2017. Popularity of various teaching methods in a post-secondary biology class of a Malaysian private institution. *ASEAN Journal of Teaching and Learning in Higher Education* **8**(1): 1-25.
4. Nur Binti Omar, Robyn Fay Wilson, The Ser-Huy, Urszula Krzemińska, Sharifah Syed Hassan, **Song Beng Kah**, Sadequr Rahman. 2017. Genetic diversity of commercial chickens consumed in Selangor, Malaysia. *Malays. Appl. Biol.* **46**(2): 1–6.
5. Yongxia Cui, **Beng Kah Song\***, Lin-Feng Li, Ya-Ling Li, Zhongyun Huang, Ana L.

- Caicedo, Yulin Jia and Kenneth M. Olsen. 2016. Little White Lies: Pericarp Color Provides Insights into the Origins and Evolution of Southeast Asian Weedy Rice. *G3: Genes, Genomes, Genetics* **6**(12): 4105–4114.
6. Gopal Ji Tiwari, May Ying Chiang, Jeremy Ryan De Silva, **Beng Kah Song**, Yee Ling Lau, Sadequr Rahman. 2016. Lipase genes expressed in rice bran: LOC\_Os11g43510 encodes a novel rice lipase. *Journal of Cereal Science* **71**: 43-52.
  7. Edi Sudianto, Ting-Xiang Neik, Sheh May Tam, Tse-Seng Chuah, Akmal Adilah Idris, Kenneth M. Olsen, and **Beng-Kah Song\***. 2016. Morphology of Malaysian weedy rice (*Oryza sativa*): diversity, origin and implications for weed management. *Weed Science* **64**(3):501-512.
  8. Urszula Krzemińska, Robyn Wilson, **Beng Kah Song**, Sampath Seneviratne, Sharif Akhteruzzaman, Joanna Gruszczyńska, Wiesław Świderek, Teh Ser Huy, Christopher M. Austin, Sadequr Rahman. 2016. Genetic diversity of native and introduced populations of the invasive house crow (*Corvus splendens*) in Asia and Africa. *Biological Invasions* **18**(7): 1867–1881.
  9. Cheronie Shely Stanis, **Beng Kah Song**, Tock Hing Chua, Yee Ling Lau, Jenarun Jelip. 2016. Evaluation of New Multiplex PCR Primers for the Identification of Plasmodium Species Found in Sabah. *Turkish Journal of Medical Sciences* **46**: 1-12.
  10. Chua TH, Stanis CS, **Song BK**, Lau YL, Jelip P, Lau TY. 2015. Developing New Primers for Molecular Identification of Plasmodium spp. Recorded in Sabah. *Borneo Journal of Medical Sciences* **9**: 3-10.
  11. Urszula Krzeminska, Robyn Wilson, Sadequr Rahman, **Beng Kah Song**, Sampath Seneviratne, Han Ming Gan, Christopher M Austin. 2015. Mitochondrial genomes of the jungle crow *Corvus macrorhynchos* (Passeriformes: Corvidae) from shed feathers and a phylogenetic analysis of genus *Corvus* using mitochondrial protein coding genes. *Mitochondrial DNA*, Early Online: 1–3.
  12. Soon Li, Lee; Tam, Cai Lian; **Song, Beng Kah**; Neik, Tina. 2015. The mediating role of depressive symptom severity in the relationship between Obsessive-compulsive disorder and Quality of Life. *Asian Social Science* **11**(1): 97-102.
  13. **Song, Beng-Kah\***; Chuah, Tse-Seng; Tam, Sheh-May; Olsen, Kenneth M. 2014. Malaysian weedy rice shows its true stripes: wild *Oryza* and elite rice cultivars shape agricultural weed evolution in Southeast Asia. *Molecular Ecology* **23**: 5003–5017.
  14. Urszula Krzeminska, Sadequr Rahman, Robyn Wilson, , **Beng Kah Song**, Han Ming Gan, Mun Hua Tan, Christopher M Austin. 2014. The complete mitochondrial genome of the invasive house crow *Corvus splendens* (Passeriformes: Corvidae). *Mitochondrial DNA*, Early Online: 1–2.
  15. Chong, Y.V., Chua T.H. and **Song B.K.** 2014. Genetic variations of *Chrysomya megacephala* populations in Malaysia (Diptera: Calliphoridae). *Advances in Entomology* **2**(1): 49-56.
  16. **Song, B.K.\***, Pan, M.Z., Blake, D. & Wan, K.L. 2014. Sequence analysis of the *PIP5K* locus in *Eimeria maxima* provides further evidence for eimerian genome plasticity and segmental organization. *Genetics and Molecular Research* **13**(3): 5803-5814.
  17. Edi Sudianto; **Song Beng-Kah**; Neik Ting-Xiang, Nestor E. Saldain, Robert C. Scott, Nilda R. Burgos. 2013. Clearfield® Rice: Its Development, Success, and Key Challenges on a Global Perspective. *Crop Protection* **49**: 40-51.
  18. Yee-song Law, Ranganath Gudimella, **Beng-kah Song**, Wickneswari Ratnam, Jennifer Ann Harikrishna. 2012. Molecular Characterization and Comparative Sequence Analysis of Defense-Related Gene, *Oryza rufipogon* Receptor-Like Protein Kinase. *International Journal of Molecular Sciences* **13**, 9343-9362.
  19. **Song, B.K.\***, Waugh, R., Marshall, D., Nadarajah, K. & Wickneswari, R. 2011. Comparative physical mapping using overgo-tagged site reveals strong conservation of synteny between cultivated and common wild rice in the 1.2Mb *yld1.1* region. *Asia Pacific Journal of Molecular Biology and Biotechnology* **19**(4): 157 -168.

20. Goh, M.Y., Pan, M.Z., Blake, D., Wan, K.L. & **Song, B.K.\*** 2011. *Eimeria maxima* phosphatidylinositol 4-phosphate 5-kinase: locus sequencing, characterization and cross-phylum comparison. *Parasitology Research* **108**(3): 611–620.
21. Chua, T.H., **Song, B.K.** & Chong, Y.V. 2010. Development of allele-specific SNP-based PCR markers in cytochrome oxidase I (COI) for the differentiation of *Bactrocera payaya* and *B. carambolae* (Diptera: Tephritidae). *Journal of Economic Entomology* **103**(6): 1994-1999.
22. **Song, B.K.\***, Hein, I., Druka, A., Waugh, R., Marshall, D., Nadarajah, K., Yap, S.J., & Wickneswari, R. 2009. The 172-kb genomic DNA region of the *O. rufipogon yld1.1* locus: comparative sequence analysis with *O. sativa* ssp. *japonica*, and *O. sativa* ssp. *indica*. *Functional & Integrative Genomics* **9**: 97–108.
23. **Song, B.K.\***, Nadarajah, K. & Wickneswari, R. 2007. A non-redundant strategy for identification of a minimum tiling path BAC contig spanning approximately 390 kb of the QTL *yld1.1* in *Oryza rufipogon*. *Korean Journal of Genetics* **29**(4): 447-458.
24. **Song, B.K.**, Nadarajah, K., Romanov, M.N. & Wickneswari, R. 2005. Cross-species bacterial artificial chromosome (BAC) library screening via overgo-based hybridization and BAC-contig mapping of a yield enhancement quantitative trait locus (QTL) *yld1.1* in the Malaysian wild rice *Oryza rufipogon*. *Cellular & Molecular Biology Letters* **10**(3): 425-437.
25. **Song, B.K.**, Mahani, M.C., Wickneswari, R. & Normah, M.N. 2000. Genetic relatedness among *Lansium domesticum* accessions using RAPD markers. *Annals of Botany* **86**: 299-307.
26. **Song BK**, Mahani MC, Wickneswari R, Normah MN, Kamariah M, Norlia Y (2002) Development of RAPD marker for identification of dokong (*Lansium domesticum* Corr.) types. *Malaysian Applied Biology* 31: 93-97.

#### (B) Book Chapters:

1. **Song, B.K.** 2018. University education leading students to a fulfilling career. In: Wing Keong Phoon (ed.). *Challenges of the Tertiary Education in Malaysia (in Chinese)*, Kuala Lumpur: Mentor Publishing Sdn Bhd.
2. **Song, B.K.** 2018. World university rankings. In: Wing Keong Phoon (ed.). *Challenges of the Tertiary Education in Malaysia (in Chinese)*. Kuala Lumpur: Mentor Publishing Sdn Bhd.

#### (C) Invitation as a Speaker at Symposia and Special Meeting

1. **Beng-Kah Song**, Lin-Feng Li, Tonapha Pusadee and Kenneth M. Olsen. 2018. Population genetics and contemporary evolution of Southeast Asian weedy rice, Singapore, 15-17 Oct: 5th International Rice Congress.
2. **Beng-Kah Song**, Lin-Feng Li, Tonapha Pusadee and Kenneth M. Olsen. 2018. The origins and spread of weedy rice in Southeast Asia, Osaka, Japan, 9-11 August: 8th World Congress on Plant Genomics and Plant Science.
3. **Song, B.K.** 2016. When East meets West: the origins and spread of weedy rice in Southeast Asia, University of Kerala, Thiruvananthapuram, India, 15-17th December: International Seminar on 'New Frontiers in Cytogenetics' & XIII Conference of the Society of Cytologists & Geneticists (invited as Main Theme Speaker)
4. **Song, B.K.** 2016. Whole Genome Sequencing Workshop at Codon Genomics, Malaysia, 25-29 Jan.
5. **Song, B.K.** 2014. Genotyping by Sequencing (GBS) – Approach for SNP Discovery and Genotyping. Tropical Medicine and Biology Multidisciplinary Platform. Next-generation sequencing workshop, Monash University Malaysia, Malaysia, 2-5<sup>th</sup> June.

6. **Song, B.K.** 2014. Evolution of weedy rice in Malaysia. Monash Science Symposium, Bandar Sunway, Malaysia, 16-18<sup>th</sup> June.
7. **Song, B.K.** 2009. Pathogen Genomics Symposium: Genomic Sequence Analysis of the *Eimeria maxima* PIP5K Locus. UKM-MTDC Technology Centre, Universiti Kebangsaan Malaysia, 27 July 2009.
8. **Song, B.K.**, Nadarajah, K. & Wickneswari, R. 2006. Shotgun- & enzymatic-based hybrid strategy for BAC full length sequencing in *Oryza rufipogon*. 8<sup>th</sup> National Symposium on Biology, Putrajaya, Selangor, Malaysia, 5-6 Dec.

**(D) Posters and Oral Presentations at International / National Conferences:**

1. Urszula Krzeminska, Robyn Wilson, **Beng Kah Song**, Chris Austin, Han Ming Gan and Sadequr Rahman. 2014. Tracking the origin of the house crow in Malaysia. *Association for Tropical Biology and Conservation*, Cairns, Australia, 20-24 July.
2. Urszula Krzeminska, Robyn Wilson, **Beng Kah Song**, Chris Austin, Han Ming Gan and Sadequr Rahman. 2014. Crowing about the origin of the house crow. *Malaysian Society for Molecular Biology and Biotechnology*, Bandar Sunway, Malaysia, 1-3 October.
3. Urszula Krzeminska, Robyn Wilson, **Beng Kah Song**, Chris Austin, Han Ming Gan and Sadequr Rahman. 2014. Tracking the origin of the house crow in Malaysia. *Society for conservation biology*, Melaka, Malaysia, 19-22 August.
4. Kenneth M. Olsen, Xinshuai Qi, Cynthia C. Vigueira, and **Beng Kah Song**. 2014. Evolution of weedy rice in a domesticated landscape. *Plant Genomics Congress Asia*, Kuala Lumpur, Malaysia, February 24-25.
5. Stanis, C.S., **Song, B.K.**, Lau, Y.L., Chua, T.H. 2013. Alternative markers for molecular detection of Plasmodium species found in Malaysia. International Malaria Symposium. Kota Kinabalu, Sabah 16-17 April.
6. Vigueira, Cynthia C, Li, Wantong, **Song, Beng-Kah**, Davis, Jeremy, Olsen, Kenneth M. 2013. Genetic Diversity Of Weedy and Cultivated Rice: Models For Evolution In Agroecosystems. *Plant and Animal Genome XXI Conference*, W249. San Diego, CA, USA, January 12-16.
7. **\*Song, Beng-Kah**; Edi Sudianto; Neik, Ting-Xiang; Olsen, Kenneth M. 2013. Malaysian weedy rice shows its true stripes. *Plant and Animal Genome XXI Conference*, P0717. San Diego, CA, USA, January 12-16.
8. Gopal Ji Tiwari, Juan Joon Ching, **Song Beng Kah** and Sadequr Rahman. 2012. Identification of Lipase Genes and Analysis of Transcript Accumulation. Poster presentation at the 19th MSMBB Scientific meeting, University of Malaya, Malaysia, 31st Oct - 1st Nov.
9. **Song, B.K.\***; Tam, S.M.; Chuah, T.S.; Akmal Adilah Idris; Olsen, K.M. 2011. Population genetics study of weedy rice in Malaysia. Poster presented at the 9th Annual Ecological Genomics Symposium, Kansas City, Missouri, USA, 4 – 6 November.
10. Caicedo, A.L., K. M. Olsen, Y. Jia, D. Gealy, N. R. Burgos, **B. K. Song**, K. E. Hyma, & C. C. Vigueira. 2011. Genomic structure and contemporary evolution of weediness in red rice. Poster presented at the *National Science Foundation 14th annual Plant Genome Research Program Awardee Meeting*, Arlington, Virginia, USA, 8-9 September.
11. Meganathan, P., Tam, S.M., Chew, P.C., Rashid, Z.A. & **Song, B.K.** 2011. DNA barcoding in Malaysian freshwater fishes. *22nd Pacific Science Congress*. Kuala Lumpur, Malaysia, 14-17 June.
12. Zaman, S. **Song, B.K.** & Clarke, C. 2010. Preliminary investigations into the suitability of DNA barcoding in the molecular taxonomy of Nepenthes (Nepenthaceae). *6th International Plant Tissue Culture & Biotechnology Conference*. Dhaka, Bangladesh, 3-5 December.
13. Pan, M.Z., Goh, M.Y., Blake, D., Wan, K.L. & **Song, B.K.** 2010. Comparative sequence analysis of *Eimeria maxima* with the co-linear *Eimeria tenella* contigs. *Proceedings of the 10th International Coccidiosis Conference (ICC X)*, pp 73. Guangzhou, China, 8-12 October.
14. Yong, C.K., Nadarajah, K. Wickneswari, R. & **Song, B.K.** 2010. Genome sequencing and analysis of the QTL *yl1.1* in Malaysian wild rice *Oryza rufipogon*. *Proceedings of 10<sup>th</sup> Graduate Colloquium*, pp 310-312. Faculty of Science and Technology, Universiti Kebangsaan Malaysia.

15. Law, Y.S., **Song, B.K.**, & Harikrishna, J.A. 2010. Comparative sequence analysis of a receptor-like protein kinase in rice. *Proceedings of National Rice Conference*. Lumut, Perak, Malaysia, 28 – 30 Jun.
16. **Song, B.K.**, Yong, C.K., Nadarajah, K. & Wickneswari, R. 2009. Microcolinearity between *Oryza rufipogon* and *Oryza sativa* at the *yld1.1* Locus. Sixth International Rice Genetics Symposium & 7<sup>th</sup> International Symposium Rice Functional Genomics. Manila, Philippines, 16 - 19 Nov.
17. Yong, C.K., **Song, B.K.**, Kalaivanai, N. & Wickneswari, R. 2009. Genome sequence analysis of the *yld1.1* QTL in the Malaysian wild rice *Oryza rufipogon*. Rice Project Colloquium 2009, Cyberjaya, Malaysia, 21 October.
18. Goh, M.Y., Pan, M.Z., Blake, D., Wan, K.L. & **Song, B.K.** 2008. Comparative sequence analysis and annotation of the PIP5K gene locus in *Eimeria maxima*. 7<sup>th</sup> International Conference on Bioinformatics (InCoB), Taipei City, Taiwan, R.O.C., 20-22 October.
19. **Song, B.K.**, Nadarajah, K. & Wickneswari, R. 2006. Shotgun- & enzymatic-based hybrid strategy for BAC full length sequencing in *Oryza rufipogon*. 8<sup>th</sup> National Symposium on Biology, Putrajaya, Selangor, Malaysia, 5-6 Dec.
20. **Song, B.K.**, Nadarajah, K. & Wickneswari, R. 2005. Conversion of a overgo probe to SNPs for H<sup>+</sup>-transporting ATPase putative gene in *Oryza rufipogon*. Fifth International Rice Genetics Symposium & Third International Rice Functional Genomics Symposium. Abstract no. p353a. Manila, Philippines, 19 - 23 Nov.
21. **Song, B.K.**, Wickneswari, R. & K. Nadarajah, 2003. Development of BAC-based physical map for the yield related QTL in *Oryza rufipogon* (oral presentation by Song, B.K.). *Proceedings of Malaysian Plant Physiology Society Conference*. pp 248-253. Genting, Malaysia, 23-25 September.
22. **Song, B.K.**, Wickneswari, R. & Nadarajah, K. 2003. Regional physical mapping for the yield related QTL (*yld1.1*) in *Oryza rufipogon*. *International Rice Conference*, Abstract no. 14. Alor Setar, Kedah, Malaysia, 13-16 October.
23. **Song, B.K.**, Wickneswari, R. & Nadarajah, K. 2003. Development of overgo hybridization technique in screening of *Oryza rufipogon* BAC DNA library (oral presentation by Song, B.K.). *Proceedings Kolokium Siswazah Ketiga*, pgs. 88-90. Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 30-31 July.
24. Nadarajah, K., **Song, B.K.**, & Wickneswari, R. 2003. PCR verification of BAC overgo relationship towards physical mapping of the yield related QTL *yld1.1* in *Oryza rufipogon* (oral presentation by Nadarajah, K.). *Proceedings 14th National Biotechnology Seminar*, pgs. 113-117. Pulau Pinang, Malaysia, 11-13 December.
25. Nadarajah, K., **Song, B.K.**, Zulkifli, A.S. & Wickneswari, R. 2003. Development and characterization of the *yld1.1a* genomic region of a Malaysian wild rice *Oryza rufipogon* (oral presentation by Nadarajah, K.). Abstract in *BioThailand2003*. Pattaya, Thailand, 17-20 July.
26. Nadarajah, K., **Song, B.K.** & R.Wickneswari. 2003. PCR Verification of positive BAC-overgo relationships using STS-PCR markers in *Oryza rufipogon* library screening (The Best Poster Award). *14th National Biotechnology Seminar*, pg. 110. Pulau Pinang, Malaysia, 11-13 December.
27. Nadarajah, K., **Song, B.K.**, Sabu, K.K. & R.Wickneswari. 2003. The use of microsatellite markers in physical and genetic mapping of Malaysian rice variety. *International Conference for Bioinformatics*, pg. 111 (D003). Penang, Malaysia, 8-10 September.
28. Nadarajah, K., **Song, B.K.**, Zulkifli, A. S. & R. Wickneswari. 2003. Development and characterization of the *yld1.1a* genomic region of a Malaysian wild rice, *Oryza rufipogon*. *BioThailand 2003*, pg. 447. Pattaya, Thailand, 17-20 July.
29. **Song, B.K.**, Wickneswari, R. & Nadarajah, K. 2003. Development of overgo hybridization technique in screening of *Oryza rufipogon* BAC DNA library. *Proceedings of 3rd Graduate Colloquium*, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, pp 88-90
30. Nadarajah, K., Zulkifli, S., **Song, B.K.** & Wickneswari, R.. 2002. Genome development to increase yield in rice. *Proceedings of 25th Malaysian Microbiology Society Symposium*. Renaissance Kota Bharu Hotel, Khota Bharu, Kelantan, CD copy without pagination.
31. **Song, B.K.**, Mahani, M.C., Wickneswari, R. & Normah, M.N. 1998. Use of RAPD markers for identification of *Lansium domesticum* varieties. In Zulkiflie, Z., Ramli, O., Lee, S.L., Mohd. Khalid, M.Z., Rozita, R., Mohd Khusahry, M.Y. & Masahuling, B.(Eds). *Genetics Towards*

*Better Quality in Life. Proceedings of the 3<sup>rd</sup> National Congress on Genetics*, 18-19 Nov 1998, UKM Bangi, Selangor, Malaysia.

32. Wickneswari, R., Tsumura, Y., Norwati, M., Lee, S.L., Asiah, O., Lee, C.T., Salma, I., **Song, B.K.** & Hasabe, M. 1998. DNA banks and gene libraries for tropical forest and fruit tree species: a new initiative for conservation. In: A.H. Zakri & Mat-Salleh (eds.), *Proceedings of the Workshop on Malaysia-Japan Research Cooperation and sustainable Use of Tropical Bioresources*, Pgs. 131-132. Petaling Jaya, Malaysia. 10-12 November 1997.

## HONOUR

1. **Honorary Research Scientist** in the Biology Department of Washington University in St. Louis, US (Feb 2011 – Jan 2013; Apr – Jun 2016).
2. **Gold medal** - University Malaysia Sabah Research Competition 2013. Chua, T.H., Stanis, C.S., Song, B.K., Lau, Y.L., & Jenarun, J. 2013. Rapid diagnostics for molecular detection of *Plasmodium* species found in Malaysia.
3. **Scholarship of Post-graduate study**, Ministry of Science, Technology and the Environment, Malaysia – 2002 to 2005.
4. **The Best Poster Award**: National Biotechnology Seminar 2003 (K. Nadarajah, Song, B.K. & R. Wickneswari. 2003. PCR Verification of Positive BAC-Overgo Relationships Using STS-PCR Markers in *Oryza rufipogon* Library Screening. Abstract in 14th National Biotechnology Seminar.)
5. **Research Award of The Chancellor's Foundation 2003**, Centre For Public and International Relations (UKM).
6. **Listed on the Dean's List** (1999), Universiti Sains Malaysia (USM).

## TEACHING ACTIVITIES (2006-2018)

### \* Unit Coordinator for courses:

**GEN3040** (Genomics and Its Applications),  
**GEN2052** (Genomics and Population Genetics),  
**BTH3752** (Molecular Biology and Biotechnology),  
**SCI2010** (The Practice and Application of Science)

\* other genetics- and biology-related courses taught: **GEN3030** (Genetics of Development); **BTH3820** (Plant Biotechnology); **BTH1802** (Fundamental of Biotechnology); **GEN2041** (Genetics Foundation); **BIO1022** (Biology II).

### \* Development of courses module:

**Major in Genomics and Bioinformatics**,  
**BTH3820** Plant Biotechnology, **GEN3051** Medical and Forensic Genetics, **BTH3752** Molecular Biology and Biotechnology.

## SERVICE (2006-2018)

### *Monash University Service (selected)*

\* **Postgraduate PhD/MSc research supervisions**: Girija Thiruvengadam (PhD, co-supervisor, graduated 2012); Lee Sau Peng (MSc, main-supervisor, graduated 2013); Puviarasi Meganathan (MSc, main-supervisor, graduated 2014); Ong Poh Teck (MSc, co-supervisor, graduated 2017); Urszula Krzeminska (PhD, co-supervisor, graduated 2018); Gopal Ji Tawari (PhD, co-supervisor, graduated 2017); Mohana Eswari Ragu (PhD, co-supervisor, graduated 2018); Kanagesswari Muniandy (PhD, co-supervisor); Ishrat Jabeen (PhD, co-supervisor); Jayasyaliny Jayaraj (MSc, main-supervisor); Rupini Yesudasan (MSc, main-supervisor);

Hazel Yean (PhD, main-supervisor); Lee Da Yi (PhD, main-supervisor); Vani Julianti (PhD, co-supervisor); Farooq Al-Ajli (PhD, co-supervisor); Mainul Hasan Sarker (PhD, main-supervisor)

\* **Undergraduate Honors degree (full time research) research supervisions:** Sara Jane Chiu Soo Hoon (2007), Charlene Priscilla Poore (2007), Goh Mei Yen (2008), Shabnam Zaman (2009), Tang Mun Yen (2010), Edi Sudianto (2010), Chai Jing Yun (2013), Tan Seow Yeen (2013), Low Min Yang (2014), Kanagesswari Muniandy (2014), Farooq Omar Maan Al-Ajli (2014), Vani Julianti (2017).

\* PhD/MSc Thesis Review Panel

\* Managerial and administrative responsibilities (selected): **Science Engagement Committee (Chair, 2016 onwards)**; Senior Management Committee (member, 2016 onwards); Institutional Biosafety Committee (School Representative, 2011 onwards); Disability Committee (School Representative, 2013 onwards); Green Initiative (School Representative, 2009 onwards); **Leader of Research Strength (Public & Environmental Health)** Monash University Malaysia, Malaysia (July 2009 – Jan 2010); **Mentoring Program (Chairperson, 2007 - 2009)**; subcommittee of Faculty of Science Education Committee (School Representative, 2009-2010); Job Interview Panel Member (2011-2013); School Research Committee (2009 onwards); Education Committee (2009-2010); Orientation Program (2009-2010).

\* **Team Leader** for development of the research instrument (PGWBI) translation from English language (US) to Mandarin (Malaysia), Mapi Research Trust, France.

\* **Chairperson** for Technical and Logistic Committee 21 MSMBB Annual Scientific Meeting (1 – 3 Oct 2014), Malaysian Society for Molecular Biology and Biotechnology.

#### *Journal Article Reviewer*

**Scientific Reports; PLOS ONE; Plant Molecular Biology Reporter; Annals of Applied Biology; Journal of Heredity; Sains Malaysiana;** African Journal of Biotechnology; Malayan Nature Journal; Journal of Health and Translational Medicine; Journal of Tropical Agriculture and Food Science.

#### **PROFESSIONAL SOCIETIES**

- Monash University Institute of Graduate Research
- Genetics Society of Malaysia