

## CURRICULUM VITAE

1. **Name :** ADLIN AZLINA BINTI ABDUL KADIR



2. **Date of Birth:** 17<sup>th</sup> Nov 1972
3. **Address:** HQ MARDI, Biotechnology and Nanotechnology Research Centre, Persiaran MARDI-UPM, 43400 Serdang, Selangor

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4. **Academic Qualification :**

MSc | 2000 | UNIVERSITI KEBANGSAAN MALAYSIA  
Field: Molecular Biology

Thesis Title: Cloning, characterization and the application of 5S rRNA genes in the detection of chicken parasite.

BSc BIOTECHNOLOGY | 1997 | UNIVERSITI KEBANGSAAN MALAYSIA  
Field: Biochemistry

Thesis Title: The effect of  $\beta$ -carotene on *Plasmodium falciparum* cultures of isolate 446 and isolate Gombak A

5. **Brief Career History :**

Senior Research Scientist, MARDI (2000-Current)

Research Assistant, National University of Malaysia (Jan 1997 – Dec 1997, Jul 1999- Dec 2000)

6. **Field (s) of Specialization :**

Molecular Diagnostic, Molecular Parasitology

7. **Research Areas/ Topic :**

1. Development project of MARDI: Development of molecular diagnostic technique for rapid detection of BLB, BLS and Blast diseases (2016 – 2020) Collaborator
2. Development of effective grain corn production system for high yielding varieties and quality for animal feed Pengesanan pantas toksin (2019-2020) Collaborator
3. Penilaian Sistem EWS di Lapangan. P-RI420 (Jan – Nov 2019). Collaborator
4. Kajian omiks dan kefungsiian gen untuk penambahbaikan varieti dan pengawalan penyakit kritikal buah premium terpilih P-RB405 (Jan – Nov 2019) Collaborator
5. Prototaip kit pengesanan pantas penyakit mati rosot betik (Jan –Dec 2015) RMKe-10 (Projek Mega) Project leader
6. Development of lateral flow immunoassay for early detection of Dieback Disease in papaya (Jan 2013-Dec 2014) Project leader
7. The detection of plant diseases (Tungro, CMV, PRSV and Anthracnose) using nano-biosensor technology (2013-2014) RMKe-10 (Projek Mega) Collaborator
8. Development of Nanosensor detection for Dieback in Papaya (2012-2014) Project leader
9. Prototaip probe biopenderia enzim untuk mengesan racun serangga (2013-2014) RMKe-10 (Projek Mega) Collaborator
10. Development of electronic sensor system for early detection of dieback attack at the papaya farm. (2013-2014) RMKe-10 (Projek Mega) Collaborator
11. Biosensor and Biodiagnostic in Agro-Food industries (2011-2012) Peruntukan khas under Development of Imuno-Lateral Flow Strip for Cucumber Mosaic Virus (CMV) detection (Biosurveillance MOSTI), Collaborator
12. Development of PCR based detection of foods and food ingredients that contain genetically modified soybean P&P 64.6 Project leader

8. **Achievements/ Awards:**

1. Bronze Medal, Knowledge Category - **Adlin Azlina A.K.**, and Lau Han-Yih,: Production of polyclonal antibody against pure culture of *Erwinia mallotivora* and its LPS for diagnosis tool for dieback disease in papaya. MARDI Science & Technology Exhibition 2015, 25th - 27th Ogos 2015, MAEPS, Serdang
2. Bronze Medal at Malaysia Technology Expo 2006. Genetically modified food (GMF) detection kit for food containing GM maize. **Adlin Azlina A.K.**, Lau Han-Yih, Mohd Afendy A.T. and Tan Chon-Seng, KL Malaysia
3. Silver Medal, Tan Chon-Seng, **Adlin Azlina A.K.**, and Lau Han-Yih,: Genetically modified organisms (GMO) detection kit. 16th International Invention Innovation Industrial Design & Technology Exhibition 2005 (ITEX 2005) KL Malaysia
4. Bronze Medal, Knowledge Category - Mohd Afendy A.T., Sariah Meon, Wong M.Y., **Adlin Azlina A.K.**, Lau H.Y. and Nurasmaliza M.A. PCR Detection of Pathogenic *Ganoderma* spp. for Diagnosing Basal Stem Rot in Oil Palm.

MARDI Science & Technology Exhibition 2008, 11th - 13th Nov 2008, MAEPS, Serdang

5. Bronze Medal, Knowledge Category - M. S. Suria, M. Erna Mutiara Lau Han-Yih, N. S. Mariana and A. R. Raha. Specificity and sensitivity of multiplex PCR assay for detection of *E.coli* O157:H7. 5th MARDI Science & Technology Exhibition, 15-17 March 2010, MAEPS Serdang
6. Silver Medal,- ,A. T. Mohd Afendy, M. S. Suria, Noor Azlina Masdor, **Adlin Azlina A. K.** and I. Zamri. Multiplex PCR kit for simultaneous detection of multi-foodborne pathogens in poultry products. BioInnovation Awards 2013, KL Malaysia

### 9. List of Publications

Preliminary study on the production of polyclonal antibody against lipopolysaccharide (LPS) and pure culture of *Erwinia mallotivora* for the detection of dieback disease in papaya. International Congress Of The Malaysian Society For Microbiology ICMSM 7-10 Disember 2015. Bayview Beach Resort, Penang, Malaysia

**A.K. Adlin Azlina**, A.H. Zainal-Abidin, Z. Zulkiflie, M.S. Jangi & F.M. Tomley. 2005. Developing of a DNA hybridization technique for the detection of two pathogenic Emerica species of chicken. *Journal of Tropical Agriculture and Food Science (JTAFS)*, 33 (1): 83-87

**A.K. Adlin Azlina**, A.H. Zainal-Abidin, Z. Zulkiflie, M.S. Jangi & F.M. Tomley. 2004. Cloning and Characterization of the 5S rRNA genes from *Eimeria* spp. *Journal of Tropical Agriculture and Food Science (JTAFS)*, 32 (2): 197-205.

Faridah Salam, **Adlin Azlina Abdul Kadir** & Hazalina Zulkifli. Teknologi Biosensor & Bodiagnostik. Dalam: Papaya Genomics over the years. Penerbit MARDI, Selangor, dalam semakan 2018 Chapter in Book

**Adlin Azlina Abdul Kadir**, Nano Lempung, Ensiklopedia DBP, dalam semakan, 2018. Chapter in Book

**Adlin Azlina Abdul Kadir** & Lau Han Yih. 2010 GMO (Genetically Modified Organisms) detection kit. Buku MARDI: Three decades of achievements in R&D. m.s 11. MARDI Special Report

**Adlin Azlina Abdul Kadir**. Dieback Disease Early Detection Using Lateral Flow Immunoassay. Buku 5 Tahun Pencapaian MARDI, dalam semakan, 2018. MARDI Special Report

Adlin Azlina. A.K, Kiew Lian Wan and Sheila Nathan. 2017. Detection Of *Eimeria* Species By Polymerase Chain Reaction Based On Species-Specific Scar Markers In Commercially reared Chickens In Selangor, Malaysia. proc. 4th ARCAP & 38th MSAP Ann. Conf., 28 - 30 August 2017, Senai, Johor, Malaysia.

Adlin Azlina A.K., Noriha A. and Erna Mutiara M. 2018. Development of Early Detection of Dieback Disease (*Erwinia mallotivora*) by using Lateral Flow Immunoassay (LFIA) Technique. 28th Malaysian Society Of Plant Physiology Conference. 28-30 Ogos 2018. Hotel Perdana Kota Bharu Kelantan

2015. Preliminary study on the production of polyclonal antibody against lipopolysaccharide (lps) and pure culture of *Erwinia mallotivora* for the detection of dieback disease in papaya. International Congress Of The Malaysian Society For Microbiology ICMSM 7-10 Disember 2015. Bayview Beach Resort, Penang, Malaysia

Characterization of protein Biomarker for Detection of Dieback Disease in Papaya ISBN 978-960-10840-2-4. Trans. Malaysian Soc. Plant Physio. 21 First Published 2013. 23rd Malaysian Society of Plant Physiology Conference (MSPPC 2012)

Adlin Azlina A.K., Isolation And Characterization Of The Lipopolysaccharide From *Erwinia Mallotivora*. 2012. "31st Symposium Of The Malaysian Society For Microbiology"

Adlin Azlina A.K., Selecting peptide ligands against *Eimeria* spp. from phage displayed random peptides libraries. 2010. Ph.D student seminar, School Of Biosciences and Biotechnology, UKM Kertas Seminar Teknikal.

Adlin Azlina A.K., Pemilihan ligand peptida *Eimeria* spp. daripada perpustakaan pameran peptida rawak Kolokium Siswazah ke-9, Fakulti Sains dan Teknologi, Penyelidikan siswazah: Meneroka perbatasan ilmu Kertas Seminar Teknikal 2009

Selecting peptide ligands of *Eimeria* spp. from phage displayed random libraries. 2009 45th Annual Scientific Seminar of Malaysian Society for Parasitology and Tropical Medicine

Adlin Azlina A.K., Ahmad Latfi Mahamud, Halifah Mat Yasin, Mohd Afendy Abdul Talib Lau H.Y. & Tan, C.S. PCR for the 35S promoter as a screening method for genetically modified Round Up Ready Soybeans. 2006. 31st Annual Conference of The Malaysian Society for Biochemistry and Molecular Biology.

Adlin Azlina A.K., Ahmad Latfi Mahamud, Halifah Mat Yasin, Mohd Afendy Abdul Talib Lau H.Y. & Tan, C.S. 2005. Detection of genetically modified maize by polymerase chain reaction (PCR) method. *Malaysian Journal of Biochemistry and Molecular Biology* (11) p 62