**EXECUTIVE SUMMARY**

**ASSOCIATE PROFESSOR** **DR. KHAIRULMAZMI AHMAD**

**DEPARTMENT OF PLANT PROTECTION**

**FACULTY OF AGRICULTURE**

**UNIVERSITY PUTRA MALAYSIA (UPM)**

Dr. Khairulmazmi Ahmad officially starts his career as a Senior Lecturer at UPM since July 10, 2008. Later, in Mac 2017 he was promoted to be an Associate Professor in the Department of Plant Protection, Faculty of Agriculture. He is a Plant Pathologist by training with special emphasis in Plant Pathology. His expertise is recognised when he was invited to be a speaker for the International symposium on WTO-SPS Agreement which was organised by Agency for Agricultural Quarantine, Ministry of Agriculture, Republic of Indonesia in 2009. In the following year, he was invited to participate in a consultation project at national level on comprehensive study on citrus greening disease at the Dungun Citrus Valley, funded by East Coast Economic Region Development Council (ECER) alongside two prominent international consultants, Professor Dr. Andrew Beattie (University of Western Sydney, Australia) and Dr. Silvio Lopez (FUNDECITRUS, Brazil). The total amount of the project was RM1,219,800.00. He was a consultant for the GWG Sdn. Bhd-MARDI research project on “Isolation and identification of major fungal pathogens in maize and cucumber and establishment of inoculation protocol for the screening of disease resistant in maize and cucumber”. Currently, he is involved in three consultation projects with Syngenta Crop Protection (Malaysia) (Sub-project Leader), Dow Agro-Sciences (Malaysia) Sdn. Bhd. (Sub-project leader), Sinoma International Engineering Co. Ltd. (Project leader), Chitose Laboratory Corp. (Project leader) and All Cosmos Industry (Project Leader).

He is actively involved in research and development (R&D) with government and private sectors, of which 8 research grants as a Project Leader. He received a LRGS grant with the approved fund of RM 1.3 mil in 2019. Furthermore, for the international research collaboration, he has established research collaboration with Professor Dr. Baohua Kong, Yunnan Agricultural University, Yunnan, China on common rust disease in corn as well as with Assistant Professor Dr. Mohamad Sayeed Akhtar, Gandhi Faiz-E-Aam College, Shahajahanpur, India on integrated pest management (IPM).

Currently, he has published 44 citation indexed journals, 3 books, 4 modules, 7 book chapters and more than 50 international and national proceedings. He is also active in reviewing research articles and currently he was appointed as a reviewer for many international journals such as *Philippine Agricultural Scientist, Journal of Sustainability Science and Management (JSSM), Journal of Oil Palm Research (JOPR), Plant Physiology, American Journal of Applied Sciences, American Journal of Agricultural and Biological Sciences, AGRIVITA, HAYATI journal of bioscience, Malaysian Journal of Microbiology, African Journal of Microbiology Research,* *Journal of Agricultural Biotechnology and Sustainable Development, Journal of Plant Pathology, Journal of Microbiology and Biotechnology*,  *Walailak Journal of Science and Technology, Archives of Agronomy and Soil Science, Journal* ISSAAS, Plant Disease, Crop Protection and *Journal of Applied Microbiology*. He is a reviewer for the PhD and Master of Science thesis for many local and international universities. Currently, he has supervised and co-supervised for more than 30 students comprises of Bachelor, Master Science and PhD degrees. Under his supervision, 5 PhD and 11 Master Science students were graduated (main and co-supervisors).

Within 10 years of services in UPM, he was awarded the Excellent Service Award for two years in 2011 and 2015 for his exceptional annual performance. He also received Certificate Excellent Service in 2004, 2008, 2016 and 2017. As for R&D recognition, he won 2 silver medals in 2009 and 2010 and 1 bronze medal in 2008 in Exhibition of Invention and Research (PRPI) organised by UPM. He also won Best Research Poster Prize in 2015 and 2005 both organised by Malaysian Society for Microbiology. He shared his knowledge and expertise with local communities and agro-entrepreneurs by organising talks on plant disease management, plant disease detection & identification and development plant disease control program. In order to enhance new knowledge and international networking in pest and disease control, he has participated in many international and national symposia, workshops and trainings. He also actively involved in many professional affiliations such as *Malaysian Society for Microbiology, International Society for Southeast Asia Agricultural Sciences (ISSAAS)-Malaysian Chapter, Malaysian Plant Protection Society, American Phytopathology Society, Agricultural Institute of Malaysia, Persatuan Alumi UPM and Persatuan Pegawai Akademik UPM.*

Dr. Khairulmazmi has his passion in teaching and student co-curriculum activities. He teaches more than 100 credit hours for the past 10 years and students have ranked him as an Excellent Lecturer (evaluation of more than 4 out of 5 scale). He was a Fellow in Kolej Sri Rajang (KSR) from July 2008 to November 2013, and the main task was to supervise and coordinate student activities/programs in the UPMKB. For the administrative duties, he was a Head Department of Animal Science and Fishery, Faculty of Agriculture and Food Sciences, UPMKB from 2012 to November 2013. He has 6 years experience (Mac 2014-Mac 2020) in managing student residential college. He was a College Principal of Kolej Muhamad Rashid (KMR) and Kolej Pendeta Za’ba (KPZ), UPM and Kolej 14.



**UNIVERSITI PUTRA MALAYSIA**

**CURRICULUM VITAE**

1. **Biodata**
2. **Name: KHAIRULMAZMI AHMAD**
3. **Department: PLANT PROTECTION**
4. **Faculty: FACULTY OF AGRICULTURE**
5. **Field of Specialization: PLANT PATHOLOGY**
6. **Staff Card Number: A03457**
7. **Identity Card Number (New): 770101-02-5743**
8. **Date of Birth: 1 January 1977**
9. **Contact:**

**Office: 03-8474850**

**Mobile Phone: 0126312550**

**Email:** [**khairulmazmi@upm.edu.my**](mailto:khairulmazmi@upm.edu.my)

1. **Current Position: Associate Professor**

**Grade: DS54**

**Date of Present Appointment: 1 Mac 2017**

**Date of Confirmation: 10 July 2009**

1. **Competency Level Assessment ( Penilaian Tahap Kecekapan): TK3 Level IV**
2. **Education and Academic Qualification**

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| --- | --- | --- | --- |
| **Degree** | **Class/Achievement** | **University Awarded** | **Year** |
| PhD (or equivalent) | - | UPM | 2008 |
| Master | - | UPM | 2004 |
| First Degree | 2nd Class Upper | UPM | 1999 |

1. **Administrative Duties and Other Relevant Appointment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Position** | **Department/Faculty/Other Institution** | **Year** | **End Date** |
| 1. | a) Pengetua Kolej Mohamad Rashid (KMR)  b) Pengetua Kolej Pendeta Za’ba (KPZ) | Universiti Putra Malaysia | 2014  2018 | -  - |
| 2. | Ahli Mesyuarat Kajian Semula Pengurusan (MKSP) UPM | Universiti Putra Malaysia | 2014 | - |
| 3. | Ahli Jawatankuasa Technical Working Group (TWG) Keselamatan Makanan dan Nutrisi – Pisang, Betik dan Nangka Kerjasama Penyelidikan UPM-MARDI | Universiti Putra Malaysia – MARDI | 2014 | - |
| 4. | Ketua Jabatan | Department of Animal Science and Fishery, UPMKB | 2012 | Nov. 2013 |
| 5. | Pemangku Ketua Kolegiat Kolej Sri Rajang | UPMKB | 2011 | 2011 |
| 6. | Felo Kolej Sri Rajang | UPMKB | 2008 | 2013 |
| 7. | Penasihat Biro Akademik | Biro Sukan dan Kebudayaan (UPMKB) | 2008 | 2013 |
| 8. | Juruaudit Dalaman | Pengurusan Akademik Pejabat Timbalan Naib Canselor (TNCAA) UPM | 2009 | **-** |
| 9. | Juruaudit Dalaman | Pengurusan Penyelidikan Pejabat Naib Canselor (TNCPI) UPM | 2009 | **-** |
| 10. | Pengerusi Jawatankuasa Penyemakan Semula Kurikulum | Jabatan Sains Tanaman,  Fakulti Sains Pertanian dan Makanan,  UPMKB | 2008 | **-** |
| 11. | Penyelaras Makmal | Jabatan Sains Tanaman,  Fakulti Sains Pertanian dan Makanan,  UPMKB | 2008 | 2013 |
| 12. | Ketua Penasihat Akademik | Jabatan Sains Tanaman, Fakulti Sains Pertanian dan Makanan, UPMKB | 2008 | 2012 |
| 13. | Ahli Jawatankuasa Pusat Islam | Pusat Islam, UPMKB | 2008 | 2013 |
| 14. | Ahli Jawatankuasa Jaringan Industri dan Masyarakat | Fakulti Sains Pertanian dan Makanan, UPMKB | 2012 | **-** |
| 15. | Ahli Jawatankuasa Pengurusan Kepuasan Pelanggan | Fakulti Sains Pertanian dan Makanan, UPMKB | 2013 | **-** |
| 16. | Ahli Jawatankuasa Pelaksana Minggu Perkasa Putra | Fakulti Sains Pertanian dan Makanan, UPMKB | 2013 | **-** |
| 17. | Ahli Jawatankuasa Mesyuarat Semakan Kokorikulum Diploma Perikanan | Jabatan Sains Haiwan dan Perikanan Fakulti Sains Pertanian dan Makanan, UPMKB | 2012 | **-** |
| 18. | Ahli Jawatankuasa Hasil Ladang UPMKB | Fakulti Sains Pertanian dan Makanan, UPMKB | 2012 |  |
| 19. | Pengerusi Jawatankuasa Penyemakan Semula Kokorikulum Program Diploma dan Bacelor | Jabatan Sains Tanaman, Fakulti Sains Pertanian dan Makanan, UPMKB | 2012 |  |
| 20. | Perlantikan sebagai Ahli Penyelidik Pusat Kecemerlangan Sains Ekosistem Hutan Tropikal | Universiti Putra Malaysia | 2012 |  |
| 21. | Jawatankuasa Teknikal | Fakulti Sains Pertanian dan Makanan, UPMKB | 2009 |  |
| 22. | Penyelaras Projek Showcase Tanaman Pisang Bersepadu | Fakulti Pertanian, UPM | 2014 |  |
| 23. | Penasihat Akademik | Fakulti Pertanian, UPM | 2014 |  |
| 24. | Ahli Jawatankuasa Pelaksana Upacara Penanaman Pokok sempena International Year of Forest 2011 | Universiti Putra Malaysia | 2011 |  |
| 25. | Pengerusi Jawatankuasa RMK-9 | Jabatan Sains Tanaman , UPM | 2009 |  |
| 26. | Ahli Jawatankuasa Kurikulum Fakulti | Fakulti Sains Pertanian dan Makanan, UPMKB | 2009 |  |
| 26. | Ahli Jawatankuasa Projek UPM-MITSUBISHI | Universiti Putra Malaysia- MITSUBISHI | 2012 |  |
| 27. | Ahli Jawatankuasa Sistem Pengurusan Kualiti MS ISO 9001:2008 | Fakulti Sains Pertanian dan Makanan, UPMKB | 2010 |  |
| 28, | Ahli Jawatankuasa Anugerah Kolej Sri Rajang, UPMKB | Fakulti Sains Pertanian dan Makanan, UPMKB | 2012 |  |
| 29. | Ahli Jawatankuasa Tetap JKTPMOBO Kebangsaan | Jabatan Pertanian Malaysia | 2017 |  |
| 30. | Ahli Jawatankuasa Pengurusan Spesis Asing Berbahaya (IAS) Kebangsaan | Jabatan Pertanian Malaysia | 2018 |  |

1. **Academic Awards and Recognition**
2. **Academic Award**

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| --- | --- | --- | --- |
| **No.** | **Award / Recognition** | **Organization Awarded** | **Year** |
| **1.** | Skim Latihan Akademik Bumiputera (SLAB) for PhD program | Ministry of High Education (MOHE) | 2004-2008 |
| **2.** | PASCA Siswazah (UPM) for Master Science Program | University Putra Malaysia (UPM) | 1999-2002 |

1. **Employment Service Awards**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Award Authority** | **Award Type** | **Year** |
| 1. | Anugerah Perkhidmatan Cemerlang 2015 | Universti Putra Malaysia (UPM) | Excellent Service | 2016 |
| 2. | Anugerah Perkhidmatan Cemerlang 2011 | Universti Putra Malaysia (UPM) | Excellent Service | 2012 |
| 3. | Sijil Perkhidmatan Cemerlang 2008 | Universti Putra Malaysia (UPM) | Excellent Service | 2009 |
| 4. | Sijil Perkhidmatan Cemerlang 2004 | Universti Putra Malaysia (UPM) | Excellent Service | 2005 |

1. **Research Achievement**

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| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Award Authority** | **Award Type** | **Year** |
| 1. | Exhibition of Invention and Research (PRPI) | University Putra Malaysia | Silver Medal | 2011 |
| **2.** | Exhibition of Invention and Research (PRPI) | University Putra Malaysia | Silver medal | 2010 |
| **3.** | Exhibition of Invention and Research (PRPI) - | University Putra Malaysia | Bronze Medal | 2009 |
| **4.** | The 27th Symposium of the Malaysian Society for Microbiology. | Malaysian Society for Microbiology | Best Poster Prize | 2005 |
| **5.** | International Congress of the Malaysian Society for Microbiology 2015 | Malaysian Society for Microbiology | Best Poster Prize | 2015 |

1. **Academic Duties/Committee Members**
2. **Academic Duties**

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Title** | **Level** | **Year** |
| 1 | Internal examiner for “Master Science thesis entitle ‘DEVELOPMENT OF ENDOPHYTIC BACTERIA FORMULATION FOR THE CONTROL OF BASAL STEM ROT (BSR) DISEASE IN OIL PALM SEEDLINGS, submitted by Ili BazilahAbd. Razak (GS17615), under supervision Prof. Dr. Sariah Meon, Institute of Tropical Agriculture (ITA) UPM”. | University | 2009 |
| **2** | Internal examiner for “PhD thesis entitle ‘MOLECULAR CHARACTERIZATION OF CITRUS TRISTEZA VIRUS (CTV) ISOLATES FROM PENINSULAR MALAYSIA, submitted by Kavous Ayazpour (GS22733) under supervision Assoc. Prof. Dr. Kamaruzaman Sijam, Faculty of Agriculture UPM”. | University | 2011 |
| 3 | Internal examiner for “Master thesis entitle ‘EVALUATION OF FOUR PLANT SPECIES FOR PHYTOREMEDIATION OF CADMIUM AND COPPER CONTAMINATION SOIL, submitted by Parisa Ahmadpour (GS23863) under supervision Assoc. Prof. Dr. Arifin Abdu, Faculty of Forestry UPM”. | University | 2011 |
| 4 | Internal examiner for “Master thesis entitle INCIDENCE AND DIFFERENTIATION OF CUCUMBER MOSAIC VIRUS (CMV) ISOLATES IN PENINSULAR MALAYSIA” by ‘Norsazilawati Binti Saad (GS19575) under supervision Assoc. Prof. Dr. Kamaruzaman Sijam, Faculty of Agriculture UPM”. | University | 2012 |
| 5 | Internal examiner for “Master thesis entitle PREVALENCE AND TOXIGENICITY OF MICROSCOPIC FUNGI ASSOCIATED WITH CORNMEAL IN MALAYSIA by Nithiyaa A/P Perumal ‘under supervision Dr. Nur Ain Izzati Mohd Zainudin, Faculty of Science, UPM” | University | 2012 |
| 6 | Internal examiner for “Master thesis entitle CHARACTERIZATION AND HOST-PATHOGEN INTERACTION OF PATHOGENIC BACTERIA ASSOCIATED WITH CROWN ROT OF PAPAYA (CARICA PAPAYA L.) IN PENINSULAR MALAYSIA by Bibi Nazihah Bt Mohd Din ‘under supervision Assoc. Prof. Dr. Jugah Kadir, Faculty of Agriculture, UPM” | University | 2014 |
| 7 | Internal examiner for PhD thesis entitle INFECTION PROCESSES AND MECHANISMS OF PATHOGENESIS OF *FUSARIUM PROLIFERATUM* IN RELATION TO DEVELOPMENT OF BAKANAE DISEASE IN RICE by Quazi Shireen Akhter Jahan under supervision Prof. Dr. Sariah Meon, Faculty of Agriculture, UPM” | University | 2014 |
| 8 | Internal examiner for “Master thesis entitle MOLECULAR AND BIOCHEMICAL CHARACTERIZATION OF PHOSPHATE SOLUBILIZING PSEUDOMONAS SP. ISOLATED FROM OIL PALM SOILS by Moloud Kooshan under supervision Assoc. Prof. Dr. Halimi Mohd Saud, Faculty of Agriculture, UPM” | University | 2015 |
| 9 | Internal examiner for “Master thesis entitle DISTRIBUTION, DETECTION AND MOLECULAR CHARACTERIZATION OF DIEBACK DISEASE OF PAPAYA (*Carica papaya* L.) by Suhaida Mohamed Lasin under supervision Assoc. Prof. Dr. Kamaruzaman Sijam, Faculty of Agriculture, UPM” | University | 2015 |
| 10 | Internal examiner for “Master thesis entitle ANTIBACTERIAL AND CHEMICAL ANALYSIS OF METHANOLIC EXTRACTS OF PIPER  SERMENTOSUM by Sharifah Farhana Binti Syed Ab Rahman under supervision Assoc. Prof. Dr. Kamaruzaman Sijam, Faculty of Agriculture, UPM” | University | 2015 |
| 11 | External examiner for “Master thesis entitle IDENTIFYING CAUSAL PATHOGEN OF POWDERY MILDEW ON ROCK MELON AND SCREENING BIOLOGICAL CONTROL AGENTS FOR CONTROLLING THE DISEASE by Nurnadiah Safi’n under supervision Dr. Zaiton Sapak, Fakulti Perladangan dan Agroteknologi, UiTM” | UiTM | 2016 |
| 12 | External examiner for “Master thesis entitle *BACILLUS CAREUS* AS BIOCONTROL AGENTS FOR CONTROLLING RICE BLAST PATHOGEN, *PYRICULARIA OYZAE* by Muhamad Syafiei Azali under supervision Dr. Zaiton Sapak, Fakulti Perladangan dan Agroteknologi, UiTM” | UiTM | 2016 |
| 13 | Chairman of VIVA VOCE Examination for Master Science program | University | 2014 |
| 14 | Manuscript Reviewer for *Journal of Sustainability Science and Management (JSSM)* | International  (SCOPUS) | 2014 |
| 15 | Manuscript Reviewer for *Journal of Oil Palm Research* | International  (Q4) | 2014 |
| 16 | Manuscript Reviewer for *Philippine Agricultural Scientist* | International  (Q4) | 2014 |
| 17 | Manuscript Reviewer for *Journal of Oil Palm Research* | International  (Q4) | 2013 |
| 18 | Manuscript Reviewer for *Plant Physiology* | International  (Q1) | 2013 |
| 19 | Manuscript Reviewer for *Am. J. Applied Sci*. | International  (ISI) | 2010 |
| 20 | Manuscript Reviewer for *Am. J. Agri. & Biol. Sci.* | International  (ISI) | 2010 |
| 21 | Manuscript Reviewer for *Afr. J. Microbiol. Res.* | International  (ISI) | 2011 |
| 22 | Manuscript Reviewer for International Agriculture Congress (IAC) | International | 2014 |
| 23 | Editor for 2nd International Symposium on Tropical Forest Ecosystem Science and Management: Challenges and Solution (IUFRO) | International | 2013 |
| 24 | Editor for the 8th International Conference on Plant Protection in the Tropics | International | 2014 |
| 25 | Editor for Jawatankuasa Buletin Pusat Islam, FSPM, UPMKB Sarawak | University | 2010 |
| 26 | Invited Speaker for The International Symposium on WTO-SPS Agreement, Jakarta, Indonesia | International | 2009 |
| 27 | Review Panel for UPM Grant phase 1/2013 | Faculty | 2013 |
| 28 | Review Panel for Master and PhD research proposal | Faculty | 2012-2013 |
| 29 | Review Panel for RUGS research progress report | Faculty | 2013 |
| 30 | Review Panel for FRGS Grant phase 2/2013 | Faculty | 2013 |
| 31 | Penceramah Jemputan dalam Program Inkubasi Usahawantani 1 UPM | Faculty | 2015 |
| 32 | Penceramah Jemputan dalam Program Inkubasi Usahawantani 2 UPM | Faculty | 2015 |
| 33 | Manuscript Reviewer for *Tropical Life Sciences Research (TLSR)* | International  (SCOPUS) | 2015 |
| 34 | Manuscript Reviewer for *Journal of Tropical Agriculture and Food Science (JTAFS)* | International  (MyJurnal) | 2016 |
| 35 | Manuscript Reviewer for *AGRIVITA, Journal of Agricultural Science* | International  (SCOPUS) | 2016 |
| 36 | Ahli Jawatankuasa Projek Di Raja Selangor | Universiti | 2016 |
| 37 | Projek Khidmat Luar dalam Bidang Patologi Tumbuhan – MARDI | Kebangsaan | 2014 |
| 38 | Ahli Jawatankuasa Projek Peningkatan Produktiviti Padi Bukit – PPK Kinabalu, | Komuniti | 2012 |
| 39 | Penglibatan dalam Projek Penyelidikan “Trial for Evaluating Bio-Fungicide Against Rice Blast Disease” – MB Plus Sdn. Bhd. | Industri | 2012 |
| 40 | Penggubal Soalan Peperiksaan Khas untuk Subjek Jabatan bagi tujuan kenaikan pangkat secara lantikan – Pejabat Pendaftar UPM | Universiti | 2009 |
| 41 | Penceramah Program Inkubasi Usahantani, Februari 2016 | Universiti | 2016 |
| 42 | Penceramah Program Inkubasi Usahantani, April 2016 | Universiti | 2016 |
| 43 | Penceramah Kursus Pembantu Universiti Sesi Akademik 2009/2010 | Univerisiti | 2009 |
| 44 | Judge Poster for the 32nd Symposium of the Malaysian Society for Microbiology. | Kebangsaan | 2014 |
| 45 | Judge Poster for the International Agriculture Congress 2014, on 25-27 November 2014. | Antarabangsa | 2014 |
| 46 | Penceramah Kursus Permulaan Graduan (Starting School) – ke 4, oleh Pengarah Pusat Ko-Kurikulum UPM | Universiti | 2009 |
| 47 | Penceramah Kursus Permulaan Graduan (Starting School) – ke 5, oleh Pengarah Pusat Ko-Kurikulum UPM | Universiti | 2010 |
| 48 | Pakar Pertanian-Bagan Serai, Perak | Universiti | 2014 |
| 49 | Pakar Pertanian-Shah Alam, Selangor | Universiti | 2014 |
| 50 | Pakar Pertanian- Benut, Johor | Universiti | 2015 |
| 51 | Pakar Pertanian- Raub, Pahang | Universiti | 2015 |
| 52 | Penceramah Program Inkubasi Usahantani, 6 Februari 2015 | Universiti | 2015 |
| 52 | Penceramah Program Inkubasi Usahantani, 20 Mac 2015 | Universiti | 2015 |
| 53 | Penceramah program ceramah dan perbincangan berkumpulan pengurusan penyakit dan perosak limau purut, 7-8 Mei 2016, Sungai Apong, Sabak Bernam, Selangor. | Universiti | 2016 |

1. **Teaching Activities**

|  |  |  |  |  |  |  |  |  |  |  |  |
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| **No.** | | **COURSES** | | **KREDIT** | | | **SEMESTER/YEAR** | | | | **GRADE** |
| 1 | | PLP 1002 (PENGENALAN PEROSAK TANAMAN) | | 4(3+1) | | | Semester 1 2008/2009 | | | | **-** |
| 2 | | AGR2602 (TANAMAN INDUSTRI) | | 3(2+1) | | | Semester 1 2008/2009 | | | | **-** |
| 3 | | SST3502 (EKOLOGI TANAH) | | 3(2+1) | | | Semester 1 2008/2009 | | | | **-** |
| 4 | | PLP 1003 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 2 2008/2009 | | | | **-** |
| 5 | | PLP 1002 (PENGENALAN PEROSAK TANAMAN) | | 4(3+1) | | | Semester 2 2008/2009 | | | | **-** |
| 6 | | TKP 2241 (PERENCANAAN PENGEMBANGAN PERTANIAN) | | 2(1+1) | | | Semester 2 2008/2009 | | | | **-** |
|  | |  | |  | | |  | | | |  |
| 7 | | PLP 1002 (PENGENALAN PEROSAK TANAMAN) | | 4(3+1) | | | Semester 1 2009/2010 | | | | **A** |
| 8 | | AGR2602 (TANAMAN INDUSTRI) | | 3(2+1) | | | Semester 1 2009/2010 | | | | **A** |
| 9. | | BIP 3501 (MIKROBIOLOGI BIOINDUSTRI) | | 3(2+1) | | | Semester 1 2009/2010 | | | |  |
| 10. | | PLP 1003 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 2 2009/2010 | | | | **A** |
|  | |  | |  | | |  | | | |  |
| 11 | | SFB 1001 (PRINSIP BIOLOGI I) | | 3(2+1) | | | Semester 1 2010/2011 | | | | **A** |
| 12 | | SFB 1002 (PRINSIP BIOLOGI II) | | 3(2+1) | | | Semester 1 2010/2011 | | | | **A** |
| 13 | | PLP 1002 (PENGENALAN PEROSAK TANAMAN) | | 4(3+1) | | | Semester 1 2010/2011 | | | | **B** |
| 14 | | AFS2001 (BUKU HIJAU) | | 2(0+2) | | | Semester 1 2010/2011 | | | | **-** |
| 15 | | PLP 1003 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 2 2010/2011 | | | | **B** |
| 16 | | CAG1001 (AMALAN PERLADANGAN TANAMAN TAHUNAN) | | 1(0+1) | | | Semester 2 2010/2011 | | | | **A** |
| 17 | | PRT 2008 (PERTANIAN DAN MANUSIA) | | 2(2+0) | | | Semester 2 2010/2011 | | | | **A** |
|  | |  | |  | | |  | | | |  |
| 18 | | CPP3600 (PERLINDUNGAN TUMBUHAN) | | 3(2+1) | | | Semester 1 2011/2012 | | | | **-** |
| 19 | | CPP 1601 (PENGENALAN KEPADA PEROSAK TANAMAN | | 3(2+1) | | | Semester 1 2011/2012 | | | | **-** |
| 20 | | CAG1001 (AMALAN PERLADANGAN TANAMAN TAHUNAN) | | 1(0+1) | | | Semester 2 2011/2012 | | | | **-** |
| 21 | | CPP2602 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 2 2011/2012 | | | |  |
|  | |  | |  | | |  | | | |  |
| 22 | | CPP3600 (PERLINDUNGAN TUMBUHAN) | | 3(2+1) | | | Semester 1 2012/2013 | | | | **B** |
| 23 | | CPP 1601 (PENGENALAN KEPADA PEROSAK TANAMAN | | 3(2+1) | | | Semester 1 2012/2013 | | | | **B** |
| 24 | | PLP 1003 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 1 2012/2013 | | | | **-** |
| 25 | | PLP 1002 (PENGENALAN PEROSAK TANAMAN) | | 4(3+1) | | | Semester 1 2012/2013 | | | | **-** |
| 26 | | AFS2001 (BUKU HIJAU) | | 2(0+2) | | | Semester 1 2012/2013 | | | | **-** |
| 27 | | CPP2602 (AMALAN PENGURUSAN PEROSAK TANAMAN) | | 3(2+1) | | | Semester 2 2012/2013 | | | | **B** |
| 28 | | CPP4601 (PENGURUSAN PEROSAK) | | 3(2+1) | | | Semester 2 2012/2013 | | | | **A** |
|  | |  | |  | | |  | | | |  |
| 29 | | CPP 1601 (PENGENALAN KEPADA PEROSAK TANAMAN | | 3(2+1) | | | Semester 1 2013/2014 | | | | **B** |
| 30 | | AFS2001 (BUKU HIJAU) | | 2(0+2) | | | Semester 1 2013/2014 | | | | **-** |
| 31 | | PRT 2008 (PERTANIAN DAN MANUSIA) | | 2(2+0) | | | Semester 2 2013/2014 | | | | **-** |
| 32 | | PLP5006 (INSTRUMENTASI MAKMAL) | | 3(2+1) | | | Semester 2 2013/2014 | | | | **-** |
|  | |  | |  | | |  | | | |  |
| 33 | | PRT 2008 (PERTANIAN DAN MANUSIA) | | 2(2+0) | | | Semester 1 2014/2015 | | | | **B** |
| 34 | | PLP3204 (PATOLOGI TUMBUHAN ASAS) | | 3(2+1) | | | Semester 1 2014/2015 | | | |  |
|  | | PLP3204 (PATOLOGI TUMBUHAN ASAS) | | 3(2+1) | | | Semester 2 2014/2015 | | | | PLP3204 (PATOLOGI TUMBUHAN ASAS) |
|  | | PLP3204 (PATOLOGI TUMBUHAN ASAS) | | 3(2+1) | | | Semester 1 2015/2016 | | | | PLP3204 (PATOLOGI TUMBUHAN ASAS) |
|  | | PLP3204 (PATOLOGI TUMBUHAN ASAS) | | 3(2+1) | | | Semester 2 2014/2015 | | | | PLP3204 (PATOLOGI TUMBUHAN ASAS) |
|  | | **Total Credit Hours** | | **105** | | |  | | | |  |
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1. **Supervision of Students**

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| --- | --- | --- | --- | --- |
| **Program**  **Level** | **Name of Student and Title of Thesis/Project** | **Role** | **Status** | **Year** |
| **Ph.D**  1 | Mohd Rakib b. Mohd Rashid  (Biology, Epidemiology an etiology of upper stem rot disease of oil palm in Sarawak) | Co-supervisor | **Graduated** | 2009-2015 |
| 2 | Sahar Shahnazy Sangacin  (Biological characterization, identification and genetic diversity of *Fusarium* sp. on black pepper) | Co-supervisor | **Graduated** | 2009-2013 |
| 3 | Siti Nur Sarah bt. Shafiei  (Enhance control efficiency of bacterial leaf blight, *Xanthomonas oryzae* p.v. *oryzea* by disruption of biofilm formation using natural antimicrobial compounds) | **Main Supervisor** | **Graduated** | 2014-2017 |
| 4 | Olalekan Kazeem Kolapo  (Marker assisted backcross selection and mapping of OTL Controlling *Fusarium* and yield in Watermelon (*Citrullus Lanatus* (Thunb). Mastun & Nakai) Hybrid | Co-supervisor | **Graduated** | 2015-2018 |
| 5 | Tijjani Ahmadu  (Evaluation *of Moringa oleifera* seed extracts as antifungal agents against *Botrytis cinerea,* to control gray mold disease on tomato (*Lycopersicon esculentum* L.) | **Main Supervisor** | **Graduated** | 2015-2018 |
| 6 | Sayedeh Parisa Ahmadi  (Evaluation of multiple In Situ and remote sensing system for early detection of *Ganoderma boninense* infected oil palm) | Co-supervisor | **Graduated** | 2015-2018 |
| 7. | Mohd Azrul Bin Salleh Putin  (Development of High Yielding and Fusarium Wilt Disease Resistant Watermelon Hybrid Variety through Marker Assisted Selection (MAS)) | Co-supervisor | Ongoing | 2015 |
| 8. | Wael M. K. Al-Sultan  (Phylogenetic Analysis And Genetic Diversity Of Phytophthora Palmivora Causing Black Pod Disease Of Cocoa In Malaysia And Its Biological Control Using Endophytic Bacteria) | Co-supervisor | **Graduated** | 2016-2019 |
| **Master**  1 | Annya anak Ambrose  (Assessment and development of *Trichoderma* as biological control agent to control root rot diseases *in Accacia mangium*) | Co-supervisor | Withdraw | 2013 |
| 2. | Su Chong Ming  (Management of oil palm bunch moth in immature estates in Sarawak condition) | Co-supervisor | **Graduated** | 2013-2016 |
| 3 | Nurhidayah Bt. Untong  (Production of Sugarcane on Peat Soil) | Co-Supervisor | Withdraw | 2012-2013 |
| 4 | Huong Ting Ting  (Sugarcane production on peat soil in Sawarak) | Co-Supervisor | Withdraw | 2011-2011 |
| 5 | Sharron Wong  (Composition of soil fungi in oil palm plantation, Sungai Asap Sarawak) | **Main Supervisor** | **Graduated** | 2011 |
| 6 | Nur Raizah bt. Ab Rahman  (Screening and identification of potential resistant gene(s) from indigenous banana cultivars to control *Fusarium* wilt disease of banana in Sarawak) | **Main Supervisor** | Withdraw | 2010-2012 |
| 7 | Rahmath Bivi bt. M Shahul Hameed  (Induce Resistance of Oil Palm Seedlings Against Basal Stem Rot Disease using Calcium, Copper , and Salicyclic Acid ) | **Main Supervisor** | **Graduated** | 2010-2013 |
| 8 | Siti Noor Farhana bt. Md Daut  (Potential use of selected antagonistic bacteria to control foot rot disease of black pepper (*Piper nigrum* L.) in Sarawak, Malaysia) | **Main Supervisor** | **Graduated** | 2010-2014 |
| 9 | Nor Hidayah bt. Ibrahim  (Assessment of the potential antibiofilm agents for the control of bacterial leaf blight disease*, Xanthomonas oryzae* p.v. *oryzea*.) | **Main Supervisor** | Withdraw | 2014 |
| 10 | Adamu Saidu Paiko  (Occurrence and prevalence of nematodes infestation in banana (*Musa* spp.) and assessment of their disease severity in the Peninsular Malaysia) | Co-Supervisor | **Graduated** | 2014-2016 |
| 11 | Abdulaziz Bashir Kutawa  (Characterization of causative agents and pathological assessment of selected corn inbred lines against Southern Leaf Blight disease in Malaysia) | Co-Supervisor | **Graduated** | 2014-2016 |
| 12 | Sirrul Asrar b. Husain Fatimi  (Survival of *Ganoderma* in infected oil palm tissues as affective source of basal stem rot disease in oil palm plantation) | Co-Supervisor | Withdraw | 2013 |
| 14 | Arafat Hashim Ali  (Biological control of gray mold disease of tomato caused by *Botrytis cinerea* using bacterial secondary metabolites) | **Main**  **Supervisor** | **Graduated** | 2015 |
| 15 | Hazirah Binti Mohd Din  (Characterization of *Fusarium oxysporum* f.sp*. cucumerinum* and phenotypic assessment of parental lines of cucumber against *Fusarium* wilt disease) | **Main**  **Supervisor** | **Graduated** | 2015-2017 |
| 16 | Joranisah A/P Hamid  (Enhanced control efficiency of *Fusarium* wilt disease of cucumber by disrupting biofilm formation in *Fusarium oxysporum* f.sp. *cucumerinum*) | **Main**  **Supervisor** | **Graduated** | 2015-2018 |
| 17 | Nur Sakinah Binti Ilias  (Characterization of *Pseudoperonospora cubensis* and phenotypic assessment of parental lines against downy mildew disease in cucumber) | **Main**  **Supervisor** | **Finished viva** | 2015 |
| 18 | Ros AzrinawatiHana Binti Bakar  (Study on virulency and pathogenicity of banana blood disease bacterium) | **Main**  **Supervisor** | **Graduated** | 2015 |
| 19 | Nur Alyani Binti Shakri  (Effects of supplementary lighting on various physiological processes and performance of chinese kale (*Brassica oleracea* L.) grown on different tiers of L-frame structure) | **Co-Supervisor** | **Graduated** | 2015 |
| 20 | Ayad Ismael Khaleel  (In-vitro antibacterial activity and phytochemical screening of bioactive compounds from pomegranate (*Punica granatum*) Crude Peel Extract) | **Co-Supervisor** | **Graduated** | 2015 |
| 21 | Habu Musa  (Evaluating efficacy of *Trichoderma* sp. and endophytic bacteria non-volatile metabolite compounds (as single and consortium) for controlling of *Ganoderma* disease of oil palm) | **Co-Supervisor** | **Graduated** | 2015 |
| 22 | Rul Hajar Bt Musa  (The potential of *Pseudomonas fluorescens* in controlling chili wilt disease caused by *Ralstonia solanacearum* under different soil pH conditions). | **Co-Supervisor** | **Graduated**  (UMT) | 2015 |
| **Bachelor**  1 | Nur Raizah bt Ab Rahman | Main Supervisor | Graduated | 2009-2010 |
| 2 | Rahmath Bivi bt. M Shahul Hameed | Main Supervisor | Graduated | 2009-2010 |
| 3 | Siti Noor Farhana bt Md Daut | Main Supervisor | Graduated | 2009-2010 |
| 4 | Teo Zhi Qiang | Main Supervisor | Graduated | 2009-2010 |
| 5 | Wan Mohd Ikhtiaruddin b. Wan Abdul Aziz | Main Supervisor | Graduated | 2008-2009 |
| 6 | Latifah bt.Musanif | Co-Supervisor | Graduated | 2008-2009 |
| 7 | Mohd Yusri b. Yosoff@Saud | Main Supervisor | Graduated | 2008-2009 |
| 8 | Nor Azizah bt.Jamil | Co-Supervisor | Graduated | 2008-2009 |
| 9 | Noraini bt.Rosli | Co-Supervisor | Graduated | 2008-2009 |
| 10 | Norhayati bt.Madiha | Co-Supervisor | Graduated | 2008-2009 |
| 11 | Nur Aimi bt. Radi | Main Supervisor | Graduated | 2008-2009 |
| 12 | Nur Hamirasariyati bt Zulkifli | Main Supervisor | Graduated | 2008-2009 |
| 13 | Poovarasi a/p Govindasamy | Co-Supervisor | Graduated | 2008-2009 |
| 14 | Shiamala Devi a/p Ramaiya | Co-Supervisor | Graduated | 2008-2009 |
| 15 | Siti Nazurah bt. Mohd Kamel | Main Supervisor | Graduated | 2008-2009 |
| 16 | Sutha a/p Munusamy | Co-Supervisor | Graduated | 2008-2009 |
| 17 | Sarina bt. Bakri | Main Supervisor | Graduated | 2008-2009 |
| 18 | Zuraini bt. Jaafar | Main Supervisor | Graduated | 2008-2009 |
| 19 | Nor Laila bt. Ngah | Main Supervisor | Graduated | 2013-2014 |
| 20 | Nurul Atiqah bt. Ismail | Main Supervisor | Graduated | 2013-2014 |
| 21 | Nurul Afzan bt. Anuar | Main Supervisor | Graduated | 2014-2015 |
| 22 | Nurul Atika bt. Yusof | Main Supervisor | Graduated | 2014-2015 |

1. **Publications**
2. Cited Journal

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of Author (s)** | **Year Published** | **Title** | **Name of Journal** | **Volume** | **Page** |
| 1.  **Khairulmazmi A**., Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan | 2008 | Cloning and sequencing of *Candidatus* Liberibacter asiaticus isolated from citrus trees in Malaysia | Int. J.Agric. Biol.  (SCOPUS) | 10 | 417-421. |
| 2.  **Khairulmazmi A**., Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan | 2008 | Occurrence and spread of *Candidatus* Liberibacter asiaticus, the causal agent of huanglongbing disease of citrus in Malaysia | Res. J. Agric. &Biol. Sci.  (ISI) | 4(1) | 103-111 |
| 3.  **Khairulmazmi A**., Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan | 2009 | Characterization of *Candidatus* Liberibacter asiaticus isolated from *Citrus grandis* and *Citrus suhuiensis* based on 16S rDNA and outer protein (OMP) gene | Int. J.Agric. Biol.  (SCOPUS) | 11 | 401-407. |
| 4.  Rahamath Bivi M., Siti Noor Farhana M., **Khairulmazmi A**. and Idris | 2010 | Control of *Ganoderma boninense* the causal agent of basal stem rot disease in oil palm with endophyte bacteria in vitro | Int. J. Agric. Biol.  (SCOPUS) | 12 | 833–839 |
| 5.  **Khairulmazmi A**., Kamaruzaman Sijam, Habibuddin Hashim, Arifin Abdu and Zamri Rosli | 2011 | Assessment of citrus susceptibility towards *Candidatus* Liberibacter asiaticus-Terengganu isolate based on vector and graft transmission tests. | Journal of Agricultural Science  (AGRIS/ AGRICOLA) | 3(3) | 159-166 |
| 6.  Siti Noor Farhana M., Rahamath Bivi M., and **Khairulmazmi A**. 2011 | 2011 | Effect of carbon sources on the production of bacteria metabolites against *Fusarium oxysporum* and *Colletotrichum gloeosporioides.* | Int. J. Agric. Biol.  (SCOPUS) | 13 | 1–8 |
| 7.  Arifin Abdu, Najihah Aderis, Hazandy Abdul-Hamid, Nik Muhamad Majid, Shamshuddin Jusop, Daljit Singh Karam and **Khairulmazmi Ahmad.** | 2011 | Using *Orthosiphon stamineus* B. for phytoremediation of heavy metals in soils amended with sewage sludge. | Am. J. Applied Sci.  (ISI) | 8 (4): | 323-331. |
| 8.  Yetti H., Arifin A., Mahat, M. A., Hazandy A. H., Shamshuddin J., Majid N. M., Ika H. and **Khairulmazmi A.** | 2011 | Assessing forest plantation productivity of exotic and indigenous species on degraded secondary forest | Am. J. Agri. & Biol. Sci.  (ISI) | 6(2) | 201-208. |
| 9.  Yetti H., Arifin A., Mahat, M. A., Hazandy A. H., Shamshuddin J., Majid N. M., Ika H. Leslie A. and **Khairulmazmi A.** | 2011 | Comparing the fertility of soils under *Khayaivorensis* plantation and regenerated degraded secondary forest | Am. J. Applied Sci.  (ISI) | 8 (5) | 472-480 |
| 10.  **Khairulmazmi A**., Kamaruzaman S., Habibuddin H., Arifin A. and Zamri R. | 2011 | Field assessment of calcium, copper and zinc ions on  plant recovery and disease severity following infection of huanglongbing (HLB) disease | Afr. J. Microbiol. Res.  (ISI) | 5(28) | 4967-4979. |
| 11.  A. Norida Hanim, A. M. Nik Muhamad, O. H. Ahmed, K. Susilawati and **A. Khairulmazmi**. | 2012 | Physico-chemical properties of indigenous microorganism-composts and humid acid prepared from selected agro-industrial residues | Afr. J. Biotechnology  (ISI) | 11(34) | 8456-8463. |
| 12.  S.Shahnazi, S. Meon, G. Vadamalai, **K. Ahmad** and N. Nejat. | 2012 | Morphological and molecular characterization of *Fusarium* spp. Associated with yellowing disease of black pepper (*Piper nigrum* L.) in Malaysia | J. Gen. Plant Pathol  (ISI) | 78 | 160–169 |
| 13.  Zamri R., Mohamed Zakaria, Abdullah Mohd, Abil Yusuf, Geoffery James and **Khairulmazmi A.** | 2012 | Response of upper storey birds  to the environmental variables at different distances from the edge of an isolated forest reserve | Asia Life Sciences.  (SCOPUS) | 21(1) | 65-84 |
| 14.  Nur Raizah A. R., **Khairulmazmi A**., Philip L., Arifin A., Zamri R. and S.K. Wong. | 2012 | Effect of culture media on growth and spore occurrence of *Fusarium oxysporum* Schlecht. F. sp. *cubense* (E.F. Smith) W.C. Snyd. & H.N. Hans | Asia Life Sciences  (SCOPUS) | 21 (1) | 133-148. |
| 15.  Rahamah Bivi M., Siti Nor Farhana M. D., **Khairulmazmi A**., Idris A., Ahmed O. H., Zamri R., and Sariah M. | 2012 | *In-vitro* effect of salicylic acid, calcium and copper ions on growth and sporulation of *Ganoderma boninense* | Afr. J. Biotechnology  (ISI) | 11 (70) | 13477-13489. |
| 16.  Siti Nor Farhana M. D., Rahamah Bivi M.,  **Khairulmazmi A**., Wong, S.K. and Sariah M. | 2013 | Morphological and molecular  characterization of *Phytophthora capsici* Leonian, the causal agent of foot rot disease of black pepper in Sarawak | Int. J. Agric. Biol  (SCOPUS) | 15 | 1083-1090 |
| 17.  M. Rahamah Bivi, M.D. Siti Noor Farhana, **A. Khairulmazmi**, A.S. Idris, K. Susilawati and M. Sariah | 2014 | Assessment of plant secondary metabolites in oil palm seedlings after being treated with calcium, copper ions and salicylic acid. | Archives of Phytopathology and Plant Protection  (SCOPUS) | 47 (9): | 1120-1135 |
| 18.  M.R. Mohd Rashid, J.B. Choon-Fah,  **A. Khairulmazmi** and A.S. Idris. | 2014 | Occurrence and spatial distribution of *Ganoderma* species causing upper and basal stem rot in oil palm | Journal of Food,  Agriculture and Environment  (SCOPUS) | 12(2) | 360-364 |
| 19.  M.R. Mohd Rashid, J.B. Choon-Fah, **A. Khairulmazmi** and A.S. Idris. | 2014 | Genetic and morphology diversity of *Ganoderma* species isolated from infected oil palm (*Elaeis guineensis*) | Int. J. Agric. Biol.  (SCOPUS) | 16 | 691-699 |
| 20.  M.R. Mohd Rashid, J.B. Choon-Fah, **A. Khairulmazmi** and A.S. Idris. | 2015 | Aggressiveness of *Ganoderma boninense* and *G. zonatum* isolated from upper and basal stem rots of oil palm (*Elaeis guineensis*) in Malaysia | Journal of Oil Palm Research (JOPR)  (SCOPUS) | 27(3) | 229-240 |
| 21.  A.I. Khaleel, K. Sijam, T.S. Rashid and **A. Khairulmazmi**. | 2016 | Phytochemical determination and antibacterial activity of *Punica granatum* peel extracts against plant pathogenic bacteria | American Journal of Plant Sciences  (ISI) | 7 | 159-166 |
| 22.  Alsultan, Q.M.N., K. Sijam, T.S. Rashid and **A. Khairulmazmi.** | 2016 | GC-MS Analysis and antibacterial activity of mangosteen leaf extracts against plant pathogenic bacteria. | American Journal of Plant Sciences  (ISI) | 7 | 1013-1020 |
| 23.  Ming S.C., Bong C.F.J., Khairulmazmi A. | 2016. | Field ablation as cultural control for bunch moth, *Tirathaba mundella* infestation in young mature oil palm. Journal of Oil Palm | Journal of Oil Palm Research | 28(4) | 463-470 |
| 24.  Rahamah Bivi, M.S.H. Paiko A.S., **Khairulmazmi A.,** Akhtar M.S. and Idris A.S. | 2016 | Control of basal stem rot disease (BSR) in oil palm by supplementation of calcium, copper and salicylic acid | Plant Pathology Journal (Scopus  /ISI) | 32(5) | 396-406 |
| 25.  Adamu SP., Kamaruzaman S., Khairulmazmi A., and Mohammad SA | 2016 | Morphology and molecular characterization of Pratylenchus coffeae isolates from banana rhizophere in Peninsular Malaysia | Nigerian Journal of Nematology | 3 | 13-19 |
| 26.  Nuranis, I., Kamaruzaman, S., Khairulmazmi, A., Mohd Shukri, I., Zulkifli, H. and Idris, A.S. | 2016 | Leaf Nutrient Status in Relation to Severity of  *Ganoderma* Infection in Oil Palm Seedlings  Artificially Infected with *Ganoderma boninense*  using Root Inoculation Technique | Oil Palm Bulletin | 72 | 25-32 |
| 27.  Abdulaziz Bashir Kutawa, Kamaruzaman Sijam and Khairulmazmi Ahmad | 2017 | Characterization and pathological variability of *Exserohilum turcicum* responsible for causing northern corn leaf blight (NCLB) disease in Malaysia | Malaysian Journal of Microbiology (MJM)  (Scopus) | 13(1) | 41-49 |
| 28.  Mohd Rakib M.S., Bong C.F.J., Khairulmazmi A., Idris A.S. | 2017 | Association of copper and zinc levels in oil palm (*Elaeis guineensis*) to the spatial distribution of *Ganoderma* species in the plantation on peat | Journal of Phytopathology | 165 | 276-282 |
| 29.  Parisa A., Muharam F.M, Khairulmazmi A., Mansor, S., Idris A.S. | 2017 | Early detection of *Ganoderma* basal stem rot of oil palms using artificial neural network spectral analysis. | Plant Disease | 101 | 1009-1016 |
| 30.  Alsultan, Q. M. N., K. Sijam, T. S. Rashid, **A. Khairulmazmi, A**., Awla H. K | 2017 | Investigation of Phytochemical components and bioautography of *Garcinia mangostana* L. methanol leaf extract | Journal of Experimental Agriculture International | 15(3) | 1-7 |
| 31.  Abdulaziz Bashir Kutawa, Kamaruzaman Sijam and Khairulmazmi Ahmad | 2017 | Evaluation of resistance in response to infection of Southern Corn Leaf Blight disease and determination of secondary metabolites produced during the interaction | Journal of Applied Sciences & Environmental Sustainability | 3(7) | 1-17 |
| 32.  Sarah Shafiei S.N., Khairulmazmi A., Natrah Fatin Mohd. Ikhsan, Siti Izera Ismail and Kamaruzaman S. | 2017 | Antibacterial activity of Acacia spp. Leaves extract against *Xanthomonas oryzae* pv*. oryzae* and screening for active phytochemical contents | Journal of Agriculture and Veterinary Science | 10(11) | 2319-2372 |
| 33.  Mohd Rakib M.S., Bong C.F.J., Khairulmazmi A., Idris A.S. and N.H. Wahida | 2017 | *Ganoderma* species of basal and upper stem rots in oil palm (*Elaeis guineensis*) in Sarawak, Malaysia | Journal of Academia UiTM Negeri Sembilan | 5 | 27-35 |
| 34.  Ming S.C., Bong C.F.J., Khairulmazmi A. | 2017. | Field ablation as cultural control for bunch moth, *Tirathaba mundella* infestation in young mature oil palm. Journal of Oil Palm | Planter | 93  (1095) | 421-431 |
| 35.  Habu M., Nusaibah SA and Khairulmazmi A | 2018 | Assessment of *Trichoderma* spp. mixture as a potential biocontrol agent of Ganoderma boninense infected oil palm seedling | Journal of Oil Palm Research | 30(3) | 403-415 |
| 36.  Siti Fatimah Zakaria, Mohd Nizam Lani, Chuah Tse Seng, Fisal Ahmad,  Khairulmazmi Ahmad and Zaiton Hassan | 2018 | Antifungal Activity of Lactic Acid Bacteria  Isolated From Fermented Catfish (Clarias gariepinus) As  Biocontrol Of Sclerotium rolfsii Infecting Chili Plants | Malays. Appl. Biol. | 47(4) | 117-126 |
| 37.  Ros Azrinawati Hana Bakar, Rafidah Badrun, Khairulmazmi Ahmad,  Norliza Abu Bakar | 2018 | Symptomatology and Range of the Blood Disease Bacterium A2  HR MARDI Strain (*Ralstonia syzygii* subsp. *Celebensis*) on  Selected Hosts | IOSR Journal of Agriculture and Veterinary Science | 9(2) | 71-77 |
| 38.  Bashir KA, Kamaruzaman S and Khairulmazmi A | 2018 | First report of northern corn leaf blight disease caused by *Exserohilum turcicum* on *Zea mays* in Malaysia | Journal of Molecular and Genetic Medicine | 12(4) | 387-388 |
| 39.  Adamu SP., Ahmadu T., Rashed O., Khairulmazmi A., Kamaruzaman S. and Alsultan W | 2019 | Disease prevalence and severity assessment of *Pratylenthus coffeae* on infected banana in Peninsular Malaysia | Plant Pathology & Quarantine | 9(1) | 6-22 |
| 40.  Kazeem K. Olalekan, Mohd Y. Rafii, Azrul M. Salleh, Mahmud TM. Mohamed, Khairulmazmi Ahmad, Azizah Misran,  Tanweer F. Abro, Yusuff Oladosu, Ibrahim W. Arolu, Chukwu Samuel, Magaji Usman | 2019 | Analysis of Recurrent Parent Genome Recovery  in Marker-Assisted Backcross Breeding Program  in Watermelon | International Journal of Scientific & Technology Research | 9(8) | 945-955 |
| 41.  Wael Alsultan, Ganesan Vadamalai, Ahmad Khairulmazmi, Halimi Mohd Saud, Abdullah M Al-Sadi, Osamah Rashed, Ahmad Kamil Mohd Jaaffar, Abbas Nasehi | 2019 | Isolation, Identification and Characterization of Endophytic Bacteria Antagonistic to *Phytophthora palmivora* Causing Black Pod of Cocoa in Malaysia | European Journal of Plant Pathology | 155 (4) | 1077-1091 |
| 42.  Tijjani A, Ismail S.A., Khairulmazmi A., Dzolkhifli O. | 2019 | First report of gray mold rot disease on tomato (*Solanum lycopersicum* L.) caused by *Botrytis cinerea* in Malaysia | Journal of Plant Pathology | 101 (1) | 207-207 |

1. **Books/Monograph**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Author (s)** | **Year Published** | **Title** | **Publisher** |
| 1.  Seca G., Ahmed O. H., Sarbini S. R., **Khairulmazmi A**., Rosli Z. and Roland K. J. H.(eds. of proceeding book) | 2013 | Proceedings of the 2nd International symposium on tropical forest ecosystem science and management: Challenges and Solutions. | Universiti Putra Malaysia Bintulu Campus, Perpustakaan Negara Malaysia,  ISBN: 978-967-12140-0-8 |
| 2.  **Khairulmazmi Ahmad**, Kamaruzaman Sijam, Rita Muhamad, Dzolkhifli Omar | 2015 | Citrus Huanglongbing Disease: Disease Symptoms, Biology of *Candidatus* Liberibacter asiaticus, Vector and Disease Management | Penerbit UPM  ISBN:978-967-344-475-5 |
| 3.  Kamaruzaman Sijam,  **Khairulmazmi Ahmad**, Masanto Masyahit, Yahya Awang, Mohd Ghazali Mohd Satar | 2015 | Pests, Diseases and Disorders on Dragon Fruit (*Hylocereus* spp.): A Field Guide. | Penerbit UPM  ISBN:978-967-344-471-7 |
| 4.  Wong Mui Yun., Siti Izera Ismail, **Khairulmazmi Ahmad**, Ganesan Vadamalai, Zakaria Sidek, Mazidah Mat (eds. of proceeding book) | 2014 | Proceedings of the 8th international conference on plant protection in the tropics. Plant protection for food security and safety | Malaysian Plant Protection Society (MAPPS) and CropLife Malaysia. Berjaya Hotel, Kuala Lumpur |
| 5.  Mohd Fauzi Ramlam, Mohammad Shatar Sabran,...,**Khairulmazmi Ahmad**,...,Che Fauziah Ishak. | 2015 | Modul Pembangunan Akademik & Sahsiah Pelajar | Pejabat Timbalan Naib Canselor (HEPA), Universiti Putra Malaysia.  ISBN: 9978-967-344-456-4 |
| 6.  Mohd Fauzi Ramlam, Mohammad Shatar Sabran,...,**Khairulmazmi Ahmad**,..., Jull Bakar Tajuddin | 2015 | Modul Kepimpinan Mahasiswa | Pejabat Timbalan Naib Canselor (HEPA), Universiti Putra Malaysia.  ISBN: 978-967-344-457-1 |
| 7.  Mohd Fauzi Ramlam, Mohammad Shatar Sabran,...,**Khairulmazmi Ahmad**,...,Marina Mohd Top@Tah | 2015 | Modul Jati Diri | Pejabat Timbalan Naib Canselor (HEPA), Universiti Putra Malaysia.  ISBN: 978-967-344-459-5 |
| 8.  Mohd Fauzi Ramlam, Mohammad Shatar Sabran,...,**Khairulmazmi Ahmad**,...,Soaib Asimiran | 2015 | Module Community Policing | Pejabat Timbalan Naib Canselor (HEPA), Universiti Putra Malaysia.  ISBN: 978-967-344-458-8 |
| 9. Izham A., Azizah M.,  **Khairulmazmi A.,** Phebe D., Siti Zaharah S., Martini M.Y., Nur Fauzana M.Y., Mohamad Saiful A.H. and Shukur J. | 2016 | Fruit Splendour of Selangor | Penerbit UPM  ISBN:978-967-344-518-9 |

1. **Chapter in Book**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Author (s)** | **Year Published** | **Title** | **Publisher** |
| 1.  **Khairulmazmi A** and Ismail SI. | 2016 | Enhanced Nutritional Programme: An innovative approach to controlling plant diseases in the tropics. In: Plant, Soil and Microbes: Interactions and Implications in Crop Science. | Springer International Publishing.  ISBN:978-3-319-27453-9  pp:225-251 |
| 2.  **Khairulmazmi A** and Mohd Rozhan Zakaria | 2017 | Overview of agricultural industry and pests control in Malaysia: The case of basal stem rot disease (BSR) in oil palm. In: Advances in Science and Technology of Integrated Pest Control in South China and Southeast Asia. | Text Book. Yunnan Agriculture University, China. |
| **3.**  **Khairulmazmi A.** and Tijjani A. | 2017 | Prospect and potential of *Burkholderia* spp. against *Phytophthora capsici* Leonian, a causative agent for foot rot disease of black pepper. In Agriculturally important microbes for sustainable agriculture. | Springer International Publishing.  Print ISBN:  978-981-10-5342-9  Online ISBN:  978-981-10-5343-6  pp: 343-374 |
| **4.**  Tijjani A.and **Khairulmazmi A.** | 2018 | Disease prevalence of grey mould rot on fruit and vegetable crops caused by *Botrytis cinerea* in Malaysia. In Plant Diseases: Recognition, Occurrence and Ecological Impacts | Nova Science Publishers  ISBN:9781536141719 |
| **5.**  **Khairulmazmi A.** and Tijjani A. | 2019 | Natural Compounds Extracted from *Moringa oleifera* and their Agricultural Applications.  In the book titled "Natural Bio-active Compound". | Springer International Publishing. pp449-475   * **Online ISBN** 978-981-13-7154-7 |
| **6.**  Tijjani A. and **Khairulmazmi A.** | 2018 | Global food demand and the roles of microbial communities in sustainable crop protection and food security: An overview  .In the book titled “Microbes for sustainability: Role of Microbial Communities”. | Springer International Publishing.  **(Accepted)** |
| **7.**  Hajivand Shokrollah, Kamaruzaman Sijam and Khairulmazmi Ahmad | 2019 | Control of Huanglongbing (HLB) Disease with Reference to Its Occurrence in Citrus Industry in the World. In **Advances and Trends in Biotechnology and Genetics Vol. 3 / Eds. Dr. Tsygankova Victoria Anatolyivna; Prof. Dr. Lanzhuang Che.** | Book Publisher International  DOI: <https://doi.org/10.9734/bpi/atbg/v3>  ISBN-13 (15) 978-93-89562-46-0  ISBN-13 (15) 978-93-89562-47-7 |
|  |  |  |  |

1. **Proceedings and Abstract Books**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Author(s)** | **Year Published** | **Title** | **Name of Seminar/conference** |
| 1. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan. | Nov 24-26 (2007) | Polymerase chain reaction-restriction fragment length polymorphism (PCR-RFLP) of 16S rDNA gene useful for the differentiation of Malaysian GFB isolates | In proceedings of the 29th Symposium of the Malaysian Society for Microbiology. Kuala Terengganu, Malaysia |
| 2. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan | Aug 20-24 (2007) | Differential response of citrus species to *Candidatus* Liberibacter asiaticus-Terengganu isolate from Malaysia | In proceedings of the Third Asian Conference on Plant Pathology. Yogyakarta, Indonesia |
| 3. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan. | Nov 24-27 (2006) | Histological study of the local isolates of *Candidatus* Liberibacter asiaticus the causal agent of huanglongbing disease | In proceedings of the 28th Symposium of the Malaysian Society for Microbiology. Melaka, Malaysia. |
| 4. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan. | Dec 12-15 (2006) | Host preferences of *Diaphorina citri* (Homoptera:Psyllidae) on four citrus varieties in Peninsular Malaysia | In proceedings of Agriculture Congress 2006. Putrajaya. Malaysia |
| 5. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim, Jugah Kadir and Syed Omar Syed Rastan | Nov 24-27 (2005) | Biological and molecular properties of local greening fastidious bacterium (GFB) isolate. | In proceedings of the 27th Symposium of the Malaysian Society for Microbiology. Pulau Pinang, Malaysia. |
| 6. Khairulmazmi Ahmad,  Kamaruzaman Sijam, Habibuddin Hashim and Jugah Kadir. | Aug 3-6 (2005) | Detection of citrus greening disease on different citrus  varieties in Peninsular Malaysia. | In proceedings  of the International Science Congress (ISC) 2005. Kuala Lumpur, Malaysia. |
| 7. Khairulmazmi Ahmad, Kamaruzaman Sijam, Habibuddin Hashim and Jugah Kadir | Aug 27-29 (2008) | Characterization of Malaysian isolate of *Candidatus* Liberibacter asiaticus based on outer membrane protein (OMP) gene | In abstracts book of the 7th MAPPS International conference on plant protection in the tropics. Kuala Lumpur, Malaysia.. |
| 8.  **Khairulmazmi A.** and Kamaruzaman Sijam | 2009 | Status and control strategies of citrus huanglongbing disease in Malaysia | In abstracts book of the **International symposium on WTO-SPS Agreement**. Jakarta, Indonesia. 6-8 October. |
| 9.  Nur Aimi Radi, Khairulmazmi Ahmad and Kamaruzaman Sijam | Dec 1-4. (2009) | Screening of potential antagonistic bacteria against *Colletotrichum gloeosporioides* from infected papaya fruit | In Abstracts book of International congress of Malaysian Society for Microbiology (ICMSM2009). Penang, Malaysia. |
| 10.  Nur Raizah A.R, Khairulmazmi A., and Kamaruzaman S | Oct. 30-31 (2010) | Improved method of fatty acid methyl ester (FAME) analysis for characterization of *Fusarium oxysporum* f. sp. *cubense*. | In Abstracts book of My1Bio 2010 Conference. Kuala Lumpur, Malaysia. |
| 11.  Siti Noor Farhana M. D., Ikhtiaruddin W.W., Khairulmazmi A., and Kamaruzaman Sijam | Oct. 30-31 (2010) | Assessment of occurrence and severity of leaf spot diseases on orchids. | In Abstracts book of My1Bio 2010 Conference. Kuala Lumpur, Malaysia. |
| 12.  Rahamath Bivi, M., Ikhtiaruddin W.W., Khairulmazmi A., and Kamaruzaman Sijam | Oct. 30-31 (2010) | Isolation and colony characterization of the causal agent of leaf spot diseases on orchids | In Abstracts book of My1Bio 2010 Conference. Kuala Lumpur, Malaysia. |
| 13.  Lepun P. and Khairulmazmi A. | Oct. 24-25 (2011) | New distribution record of wild banana species in Sarawak, Malaysia. | In Proceedings of International symposium on rehabilitation of tropical rainforest ecosystems 2011. Kuala Lumpur. |
| 14.  Lepun P., Khairulmazmi A. and NorAzizah J. | Oct. 24-25 (2011) | Effects of different fertilizers application on *Aquilaria microcarpa* Baill. Growth performance in Belaga, Sarawak | In Proceedings of International symposium on rehabilitation of tropical rainforest ecosystems 2011. Kuala Lumpur. |
| 15.  Sharron Wong, Wong Sing King, Khairulmazmi Ahmad and Siti Ramlah Ahmad. | July. 11-12 (2012) | Composition of soil fungi in oil palm plantation, Sungai Asap, Sarawak. | In Proceedings of Malaysia International Biological Symposium 2012. Selangor Malaysia. |
| 16.  Norida Hanim A., Nik M. Majid M., Ahmed O. H., Susilawati K. and Khairulmazmi A. | July. 9-11.  (2012) | Selection of indigenous microorganisms in enhancing IMO-compost production | In Proceedings of UMT 11th International Annual Symposium on Sustainability Science and Management. Terengganu Malaysia. |
| 17.  Kasim S., Rosidi N., Shuib E. M., Ahmed O. H., Khairulmazmi A., Ismail M. R., and Rahman N. A. | Aug. 21-23 (2013) | Selected chemical and physical properties of soil planted with vegetables at Kundasang, Sabah. Buku himpunan abstrak persidangan kebangsaan pertama program perpindahan ilmu (KTP01). | Buku himpunan abstrak persidangan kebangsaan pertama program perpindahan ilmu (KTP01). Bangi, Selangor |
| 18. Khairulmazmi A. and Baijuri S. | Sept. 11-13 (2013) | Disease assessment on indigenous banana cultivars against *Fusarium oxysporum* f. sp. *cubense* race 4 (FOCR4). | In proceedings of the 2nd international symposium on tropical forest ecosystem science and management: Challenges and Solutions. Universiti Putra Malaysia Bintulu Sarawak Campus. Bintulu Sarawak, Malaysia. |
| 19. Erneeza Mohd Hata, Kamaruzaman Sijam, Zainal Abidin Mior Ahmad, Mohd Tarmizi Yusof and Khairulmazmi Ahmad | Dec. 6-8 (2014) | Characterisation of actinomycetes isolated from selected rice cultivation areas and potential used as biocontrol agent against *Xanthomonas oryzae* pv. *Oryzae* | In proceedings of the 32nd Symposium of the Malaysian Society for Microbiology. Kuala Terengganu, Malaysia |
| 20. Siti Nur Sarah Shafiei, Khairulmazmi Ahmad, Mohd Aspollah Md Sukeri, Natrah Fatin Mohd Ikhsan and Kamaruzaman Sijam. | Dec. 6-8 (2014) | Screening for antibacterial activity of *Acacia mangium* leaf extract | In proceedings of the 32nd Symposium of the Malaysian Society for Microbiology. Kuala Terengganu, Malaysia |
| 21. Khairulmazmi A. and Rahamath Bivi M.S.H. | April 8-10 (2014) | Histological changes in cell wall of oil palm after being treated with copper, calcium and salicylic acid | In proceedings of the 8th International Conference on Plant Protection in the Tropics. Kuala Lumpur, Malaysia |
| 22. Khairulmazmi A. and Siti Nor Farhana M.D. | Nov. 25-27 (2014) | Screening potential antagonistic bacteria for the control of *Phytophthora capsici* in black pepper | In proceedings of International Agriculture Congress 2014. Putrajaya, Malaysia |
| 23.  Rakib M.R.M., Bong C.F.J., Khairulmazmi, A., and Idris, A. | 2014 | Association of Copper and Zinc to *Ganoderma spp*. Spatial Distribution in Oil Palm (*Elais guineensis*) Plantation on Peat. | In proceeding of the International Conference on Plant Physiology 2014. Bali, Indonesia. |
| 24.  Abdulaziz Bahir Kutawa, Khairulmazmi Ahmad and Kamaruzaman Sijam. | 2015 | Characteristic of Fungal Pathogens and Phenotypic Assessment of Parental Lines Against Infection of Leaf Blight Diseases of Corn. | In proceeding of the ICCI2015:”Sustainability through Leading-edge Technology”, Kuala Lumpur, Malaysia. |
| 25.  Hazirah Mohd. Din, Khairulmazmi Ahmad and Kamaruzaman Sijam | 7-10 December 2015 | Phenotypic Assessment of Parental Lines of Cucumber Against *Fusarium* Wilt Disease Pathogen. | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 26.  Adamu Saidu Paiko, Kamaruzaman Sijam, Khairulmazmi Ahmad and Mohd Sayeed Akhtar | 7-10 December 2015 | Diseases Severity Assessment of Lesion Nematode (*Pratylenchus spp*.) on Banana (*Musa* spp.) in Peninsular Malaysia. | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 27.  Erneeza Mohd Hata, Kamaruzaman Sijam, Mohd Termizi Yusof, Khairulmazmi Ahmad, Noor Aisyah Azamn and Tavga Sualiman | 7-10 December 2015 | Potential Use of *Streptomyces* Strains as Plant Growth Promoter for Rice Seedling | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 28.  Abdulaziz Bashir Kutawa, Kamaruzaman Sijam, Khairulmazmi Ahmad | 7-10 December 2015 | Characterisation and Pathogenicity of Fungal Pathogens Responsible for Causing Leaf Blight Diseases of Corn in Malaysia | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 29.  Joranisah Hamid, Kamaruzaman Sijam, Khairulmazmi Ahmad | 7-10 December 2015 | Suppression of Mycelia Growth of *Fusarium oxysporum f.s. cucumerinum* in Vitro by Crude Garlic Extract. | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 30.  Nur Sakinah Ilias, Kamaruzaman Sijam, Khairulmazmi Ahmad | 7-10 December 2015 | Phenotypic Assessment of Parental Lines Against Downy Mildew Disease Pathogen in Cucumber. | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 31.  Siti Nur Sarah Shafiei, Khairulmazmi Ahmad and Kamaruzaman Sijam | 7-10 December 2015 | Detection of Antimicrobial Compounds from *Psidium guajava* L. By TLC anf GC-MS. | In proceeding of the International Congress of the Malaysian Society for Microbiology 2015 (ICMSM2015), Bayview Resort, Penang, Malaysia |
| 32.  Erneeza Mohd Hata, Kamaruzaman Sijam, Mohd Termizi Yusof, Khairulmazmi Ahmad,  Aisyah Azman and Tavga Sualiman | 15-16 November 2015 | Utilization of Activated Charcoal in Partial Purification of Compound from *Streptomyces* spp. Strain SS8 Active Against Bacterial Leaf Streak Pathogen, *Xanthomonas oryzae* pv. *oryzicola.* | In proceeding of the Asian Congress on Biotechnology 2015. Kuala Lumpur, 2015. |
| 33.  Siti Nur Sarah Shafie,  Khairulmazmi Ahmad, Siti Izera Ismail, Natrah Fatin Mohd. Ikhsan, Kamaruzaman Sijam and Nur Aisyah Azman | 15-16 November 2015 | Phytochemicals Content of *Acacia mangium* Leaf Extract. | In proceeding of the Asian Congress on Biotechnology 2015. Kuala Lumpur, 2015. |

1. **Invited Speaker**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Author(s)** | **Year** | **Title** | **Name of Seminar/conference** |
| 1.  Khairulmazmi Ahmad | 2009 | Status and control strategies of citrus huanglongbing disease in Malaysia | The **International symposium on WTO-SPS Agreement**. Jakarta, Indonesia. 6-8 October. |
| Khairulmazmi A., Rafidah B. & Norliza A. B | 2018 | Research Updates on Banana Blood Disease in Malaysia | Symposium on Invasive Alien Species 2018, 28-29 Oct. 2018, Putrajaya, Malaysia |
| Khairulmazmi Ahmad | 2018 | Pengurusan Perosak Bersepadu (IPM) dalam Pertanian Lestari | Seminar Pertanian Lestari Jabatan Pertanian, 12 Disember 2018. Shah Alam, Selangor, Malaysia. |

1. **Attended Conferences/Seminars/Workshops**

|  |  |  |
| --- | --- | --- |
| **Name of Seminar/Conference/Workshop** | **Place** | **Year** |
| 1. Symposium of the Malaysian Society for Microbiology. | Kuala Terengganu, Malaysia | 2007 |
| 1. Third Asian Conference on Plant Pathology | Yogyakarta, Indonesia | 2007 |
| 1. The 28th Symposium of the Malaysian Society for Microbiology. | Bandar Melaka, Malaysia. | 2006 |
| 1. Agriculture Congress 2006. | Putrajaya, Malaysia | 2006 |
| 1. The 27th Symposium of the Malaysian Society for Microbiology. | Pulau Pinang, Malaysia. | 2005 |
| 1. International Science Congress (ISC) 2005. | Kuala Lumpur, Malaysia. | 2005 |
| 1. The 7th MAPPS International Conference on Plant Protection in the Tropics | Kuala Lumpur, Malaysia | 2008 |
| 1. International Symposium on WTO-SPS Agreement. | Jakarta, Indonesia. | 2009 |
| 1. International Congress of Malaysian Society for Microbiology (ICMSM2009). | Penang, Malaysia. | 2009 |
| 1. My1Bio 2010 Conference. | Kuala Lumpur, Malaysia. | 2010 |
| 1. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems | Kuala Lumpur, Malaysia | 2011 |
| 1. The 2nd international symposium on tropical forest ecosystem science and management: Challenges and Solutions. | Universiti Putra Malaysia Bintulu Sarawak Campus. Bintulu Sarawak, Malaysia. | 2013 |
| 1. The 32nd Symposium of the Malaysian Society for Microbiology | Kuala Terengganu, Malaysia | 2014 |
| 1. The 8th International Conference on Plant Protection in the Tropics | Kuala Lumpur, Malaysia | 2014 |
| 1. International Agriculture Congress 2014 | Putrajaya, Malaysia | 2014 |
| 1. International Congress of the Malaysian Society for Microbiology 2015 | Bayview Resort, Penang, Malaysia | 2015 |
| 1. Asian Congress on Biotechnology 2015 | Kuala Lumpur, Malaysia | 2015 |

**I . Research Activities**

1. **Research Grant**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project** | **Project Title** | **Role and Year** | **Source of**  **Fund** | **Status** |
| 05-01-04-SF0822 | Distribution, molecular characterization and management of citrus greening disease | Co-researcher  2007-2010 | Science Fund- DOA | Completed |
| 01-01-09-0694RU/F1 | Screening and identification of potential resistant genes from indigenous banana cultivars to control *Fusarium* wilt disease of banana in Sarawak | **Project leader**  **2009-2012** | UPM-RUGS  (RM70,000) | Completed |
| 07-04-10-909FR/5523949/F(01) | Development of selective medium for *Phytophthora capsici* and screening antagonistic bacteria for the control of root rot disease of black pepper | **Project leader**  **2010-2012** | MOHE-FRGS (RM45,000) | Completed |
| 01-01-11-1130RU | Growth and production of sugarcane on peat soil of Sarawak | Co-researcher  2011-2013 | UPM-RUGS  (RM30,000) | Completed |
| *K-EDU/99(UPM-12)* | Program peningkatan pengetahuan di kalangan pengusaha sayuran dan penjanaan ekonomi di kawasan Kundasang Sabah | Co-researcher  2012-2014 | KTP-MOHE  (RM194,998) | Completed |
| 01-02-12-2285RU | Inducing oil palm resistance against basal stem rot disease by utilizing Salicylic Acid | **Project leader**  **2013-2015** | UPM-RUGS  (RM45,000) | Completed |
| 07-01-04-1142FR | Enhance control efficiency of bacterial leaf blight, *Xanthomonas oryzae p.v. oryzea* by disruption of biofilm formation using natural antimicrobial compounds | **Project Leader**  **2014-2016** | MOE-FRGS  (RM95200) | Completed |
| *GP-IPB-2014-9433800* | Development of urban agriculture towards food security enhancement  (Subproject: Optimization of energy saving irradiance, rppt temperature and plant nutrients for production of high value vegetables and herbs grown on vertical structures under urban settings) | Co-researcher  2014-2017 | UPM- Geran PUTRA (IPB)  RM 499,880 (RM 256,800) | Completed |
| FRGS/1/2015/SG05/MOA/02/9 | Study on virulency and pathogenicity of banana blood disease bacterium | Co-researcher  2015-2017 | MOHE-FRGS  (RM131,800) | Completed |
| FRGS/1/2015/WAB01/UPM/02/5 | Evaluation *of Moringa oleifera* seed extracts as antifungal agents against *Botrytis cinerea,* to control gray mold disease on tomato (*Lycopersicon esculentum* L.) | Co-researcher  2015-2017 | MOHE-FRGS  (RM80,200) | Completed |
| FRGS/1/2015/WAB01/UPM/02/1 | Bioformulation of antibacterial metabolites from *Streptomyces* spp. for the control of bacterial leaf blight  disease of paddy | Co-researcher  2015-2017 | MOHE-FRGS  (RM76,200) | Completed |
| UCTCF-05-16-001 | Pengurusan penyakit “Citrus Scab” pada tanaman limau purut (*Citrus hystrix*) | **Project leader**  15/03-16/08/2016 | Skim Dana UCTC-Mini RTC  (RM10,000) | Completed |
|  | Validating salicylic acid and silicon application to enhance oil palm disease | Co-researcher | Yayasan Pak Rashid UPM  (RM10,000) | Completed |
| GP-IPB/2017/9523501 | Integrated disease management for white root rot disease of rubber (*Hevea brasiliensis*)  *Sub project: Epidemiology, genetic diversity and virulence of white root rot pathogen and screening for potential resistant rubber clones* | **Project leader** (2017-2020) | UPM-IPB  (RM121,000) | Ongoing |
| 01-01-19-2182FR | Development of essential oils-nanopesticides formulation for effective and sustainable management of bacterial heart rot disease of pineapple | **Project Leader**  2019-2022 | MOE-FRGS  (RM146800) | Ongoing |
|  | Prospects of phenolic compound(s) on altering the chemical composition, cell wall structure and inducing resistance in oil palm seedlings: An alternative basal stem rot management | Co-researcher  2019-2021 | MOHE-FRGS  (RM131,800) | 0ngoing |
|  | Viability, germination and adhesion of basidiospores of *Ganoderma boninense* and their mode of infection in oil palm | Co-researcher  2019-2021 | MOHE-FRGS  (RM135,000) | 0ngoing |
|  | Elucidation of *Phytophthora palmivora* Nep1-like proteins (NLP) in durian stem canker | Co-researcher  2019-2021 | MOHE-FRGS  (RM86423) | 0ngoing |
|  | Development of climate ready rice for sustaining food security in Malaysia  (Project 2: Sustainable short and medium to long-term strategies for managing bacterial panicle blight (BPB) under climate-resilience rice production) | Project Leader  2019-2024 | MOHE-LRGS  (RM1.3 mil) | 0ngoing |

1. **Scientific Experience and Specialization**

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| --- | --- | --- | --- |
| **Organization** | **Position** | **Expertise** | **Year** |
| Fakulti Sains Pertanian dan Makanan, UPMKB | Reviewer for final year research project | Plant Pathology | 2010-2012 |
| Fakulti Pertanian, UPM | Reviewer for final year research project | Plant Pathology | 2013 |
| Persatuan Perlindungan Tumbuh-Tumbuhan Malaysia (MAPPS) | Organizing committee member of 8th International conference on Plant Protection in the Tropics (8thICPPT) | 1. Editorial Committee 2. Session Chairman | 2014 |
| Fakulti Pertanian UPM | Jawatankuasa Kecil Jawatankuasa Urusetia Agriculture Congress 2014 | Secretariat | 2014 |
| Pusat Penyelidikan Sains Ekosistem Hutan Tropika | Penyelaras (Pengangkutan dan Logistik) sempena 2nd International symposium on tropical forest ecosystem science and management: Challenges and sollutions. | 1. Coordinator for logistics and transportation committee 2. Editorial committee | 2013 |
| Fakulti Sains Pertanian dan Makanan, UPMKB | Penggubal soalan peperiksaan khas untuk subjek Jabatan bagi tujuan kenaikan pangkat secara lantikan | Penggubal soalan | 2009 |
| Institut Penyelidikan dan Kemajuan Pertanian Malaysia (MARDI) | Provide training on MIDI Sherlock system for microbial identification | Expert panel for MIDI Sherlock System | 2011 |

1. **Consultancy Project/Extension**
2. **Consultancy Project/ Extension**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Project Title** | **Role** | **Agency** | **Year** | **Status** |
| 1. | A comprehensive study on the citrus greening disease at the Dungun Citrus Valley in Durian Mentangau, Terengganu. | Consultant | ECERDC-PETRONAS  (RM1,200,000) | 2010 | Completed |
| 2. | Trial for evaluating bio-fungicide (BM608) against rice blast disease which caused by *Pyricularia oryzea* | Consultant | MB Plus Sdn. Bhd & Muda Agricultural Development Authority | 2012 | Completed |
| 3. | Meningkatkan hasil pengeluaran padi bukit | Consultant | Pertubuhan Peladang Kawasan Kinabalu | 2012 | Completed |
| 4. | Meningkatkan kualiti pengeluaran kompos | Consultant | HPO enterprise | 2012 | Completed |
| 5. | Program Komuniti Kawasan Parlimen Pasir Salak, Perak | Agricultural expert | UPM | 2014 | Completed |
| 6. | Program Komuniti Mukim Batu Talam, Raub Pahang | Agricultural expert | UPM | 2015 | Completed |
| 7. | Isolation and identification of major fungal pathogens in maize and cucumber and establishment of inoculation protocol for the screening of disease resistant in maize and cucumber | Co-Researcher | MARDI-Green World Genetic Sdn. Bhd. | 2014 | Completed |
| 8. | Management of key weeds and diseases of rice field in Malaysia | Co-Researcher | Dow  Agro-Sciences (Malaysia) Sdn. Bhd. | 2017 | Completed |
| 9. | Nursery evaluation of CSF-1 and CSF-2 bio-fertilizer containing beneficial microbes against *Ganoderma boninense* of oil palm | Project leader | Chitose Agri-Laboratory | 2018 | Completed |
| 10. | Evaluation of SINOMA inorganic plant nutrients (SIPN) and SINOMA special compound fertilizer (SSF) on oil palm for *Ganoderma* prevention and control | Project leader | SINOMA International Engineering | 2018 | Completed |

1. **Consultation Report**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Title of Report** | **Agency** | **Date** |
| 1. | Crop Knowledge Documentation  Vol 1: Interim Report.  Contract No: ECERDC-PO 09/500.  Project title: A comprehensive study on the citrus greening disease at the Dungun Citrus Valley in Durian Mentangau Terengganu | ECERDC-PETRONAS | 2010 |
| 2. | Report on comprehensive study on citrus cultivation and greening disease in Durian Mentangau Terengganu.  Vol 2: Interim Report.  Contract No: ECERDC-PO 09/500.  Project title: A comprehensive study on the citrus greening disease at the Dungun Citrus Valley in Durian Mentangau Terengganu | ECERDC-PETRONAS | 2010 |

1. **Involvement in Professional Association/Organizational/Body**

|  |  |  |
| --- | --- | --- |
| **No.** | **Name of Association/Organizational/Body** | **Role** |
| **1.** | Malaysian Society for Microbiology | Member |
| **2.** | Persatuan Antarabangsa bagi Sains Pertanian Asia Tenggara-Bab Malaysia | Member |
| **3.** | Malaysian Plant Protection Society | Member |
| **4.** | American Phytopathology Society | Member |
| **5.** | Agricultural Institute of Malaysia | Member |
| **6.** | Persatuan Alumi UPM | Member |
| **7.** | Persatuan Pegawai Akademik UPM | Member |

1. **Involvement in Student Development**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of Programme** | **Organiser** | **Role** | **Date** |
| 1. | Fasilitator Kursus Induksi Kepimpinan | UPMKB | Facilitator | 2010 |
| 2. | Panel Penemuduga Ahli Majlis Tertinggi Mahasiswa | Kolej Sri Rajang | Interviewer | 2010 |
| 3. | Fasilitator Kursus Induksi Kepimpinan | UPMKB | Facilitator | 2009 |
| 4. | Penceramah Kursus Pembantu Universiti | UPMKB | Speaker | 2009 |
| 5. | Pengurus Catur Kejohonan Sukan Universiti Institut Pengajian Tinggi Borneo | UPM | Manager | 2009 |
| 6. | Fasilitator Kursus Induksi Kepimpinan | UPMKB | Facilitator | 2012 |
| 7. | Ahli Jawatankuasa Anugerah Kolej Sri Rajang | Kolej Sri Rajang | Member | 2012 |
| 8. | Felo Kolej Sri Rajang | Kolej Sri Rajang | Fellow | 2008-2013 |
| 9. | Penceramah Bengkel Kecemerlangan Akademik | UPMKB | Speaker | 2009 |
| 10. | Penceramah Kursus Induksi Kepimpinan Pelajar | UPMKB | Speaker | 2009 |
| 11. | Penceramah Kursus Induksi Kepimpinan Pelajar | UPMKB | Speaker | 2008 |
| 12. | Fasilitator Kursus Induksi Kepimpinan Pelajar | UPMKB | Facilitator | 2008 |
| 13. | Fasilitator Bengkel Kecemerlangan Akademik | UPMKB | Facilitator | 2009 |
| 14. | Pengetua Kolej Mohamad Rashid (KMR) | UPM | Principle | 2014-now |
| 15 | Pengetua Kolej Pendeta Za’ba (KPZ) | UPM | Principle | 2018-now |

**ACADEMIC REFEREES**

1. **PROFESSOR DR. DAHLAN BIN ISMAIL**

Department of Animal Science,

Faculty of Agriculture,

Universiti Putra Malaysia

43400 UPM Serdang, Selangor Darul Ehsan

1. **PROFESSOR DR. MOHD ROSLAN BIN SULAIMAN**

Department of Biomedical Sciences,

Faculty of Medicine and Health Sciences,

Universiti Putra Malaysia,

43400 UPM Serdang, Selangor Darul Ehsan.

Name : **DR. KHAIRULMAZM BIN AHMAD**

Signature : ……...........................................

Date : …………………………………………….

I hereby certify that the information above is true.

Name : ……………………………………………………………..

(HEAD OF DEPARTMENT)

Signature : …………………………………………………………….

Official Stamp: