

CURRICULUM VITAE

Name : ANDREW ANAK NGADIN
Department :
Post : LECTURER
Gender : MALE
Race : BIDAYUH
Nationality : MALAYSIA
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ACADEMIC QUALIFICATION

(Institute),(Qualification),(Discipline),(Year)

Nancy University, Ph.D., Forestry and Plant Biology, 2011

Universiti Malaysia Terengganu, M. Sc., Plant Genetics and Breeding, 2006

Universiti Malaysia Terengganu, B. Sc. App., Conservation and Biodiversity Management, 2003

Universiti Putra Malaysia, Dip., Fisheries, 2000

PROFESSIONAL QUALIFICATIONS

(Qualification),(Discipline),(Awarding Institute),(Year Awarded).

NAUI Advanced Scuba Diver Certificate, The National Association of Underwater Instructors, 2002

PREVIOUS APPOINTMENT

(Post),(Organisation),(From)-(Until)

Research Assistant, Faculty of Agrotechnology dan Food Science, Kolej Universiti Sains dan Teknologi Malaysia (KUSTEM), June 2003-June 2004

Transportation and Logistics Executive, Avon Cosmetics (M) Sdn. Bhd., Division Transport and Logistics, Headquarter Petaling Jaya, Selangor, November 2006-May 2007

Academic Fellow/ Postgraduate student, Faculty of Science and Technology, Universiti Malaysia Terengganu and Faculte des Sciences et Techniques, Universite Henri Poincare/ Nancy Universite, France, November 2007-May 2011

ADMINISTRATIVE DUTIES

(Role),From)-(Until),(Level), (Organisation)

President of Microbiology and Molecular Workshop 2016, November 2015, Present, U, PPSTM

Master of Tropical Pest and Disease Management Program Committee, November 2015, Present, U, PPSTM

Webmaster for LAPDiM, January 2015, Present, F, PPSTM

Scientific Committee, April 2014, December 2014, N, The Malaysian Society for Microbiology (MSM)

Advisor to farmers, November 2015, November 2015, U, PPSTM

Head of Social and Publicity committee, the 32nd Symposium of the Malaysian Society for Microbiology 2014, April 2014, December 2014, N, The Malaysian Society for Microbiology (MSM)

Head of Publicity and Social Committee, National Seminar on Heath Ecosystem NSOHE 2014, November 2013, June 2014, N, UMT

Head of Publicity and Social Committee, symposium MSAB 2012, July 2011, June 2012, N, The Malaysian Society of Applied Biology (MSAB)

Alumni representative, October 2011, Present, F, Faculty of Science and Technolofy

Club advisor, December 2011, Present, D, Department of Biological Sciences

RESEARCH

(Project title),(Role in project),(From)-(Until),(Source),(Level).

Characterization of biochemical and cytosolic function of glutathione S-transferases (GSTs) of saprotrophic microfungi collected from aquaculture ecosystem for wastewater treatment, April 2013 - In Progress, KPT, National

Effects of Leaf Extracts in Extending the Vase Life of Cut Chrysanthemum Flowers, November 2015 - In Progress, FRGS, National

Intracellular study of Phanerochaete chrysosporium in response to pollutant compounds, December 2011 - May 2013, UMT/KPT, National

PROFESSIONAL AFFILIATIONS

(Client),(Role),(From)-(Until).

EXPERT TECHNICAL/CONTRIBUTION

(Activity),(Client),(Role),(From)-(Until),(Level).

Consultation for SIBEN, Kochieh Wang, Advisor, December 2015 - December 2016, International

Establishment of good agriculture practice of selected ginger, Associate Professor Dr. Kamaludin A. Rashid, Researcher, May 2012 - Present, International

AWARD AND RECOGNITIONS

(Awards),(Awarding Institute),(Year),(Level).

The Best Poster Award (General Microbiology)- 1st place, The Malaysian Society for Microbiology (MSM), 2014, National

The Mohamed bin Zayed species conservation fund -awarded by Chicago Botanic Garden, Illinois, USA, Chicago Botanic Garden, Illinois, USA, 2013, International

MYLEARN Award 2011: course for biology and diversity of plants (BIO3001), PKPA UMT, 2012, Faculty

MYLEARN Award 2011: course for Principles of Biology (BIO2000), PKPA UMT, 2012, Faculty

KEYNOTE ADDRESS / INVITED SPEAKER

(Title),(Event),(Venue),(Organizer),(Date),(Level).

Potential of fungi and diversity in Malaysia, Public Lecture on Fungi and Mycology, Universitas Padjadjaran, Indonesia, Indonesia Mycorrhiza Association and Universitas Padjadjaran, Indonesia, 24/06/2014, International

INTELLECTUAL PROPERTY RIGHTS

(Product),(Type),(Year),(Year Awarded).

UNPATENT INTELLECTUAL PROPERTY RIGHTS

(Product),(Type),(Reg. No),(Owner),(Cost)

PUBLICATIONS

(Publication),(Level).

Articles in Journals

Sayed M. Zain Hasan, Andrew A. Ngadin, Ramisah M. Shah and Norizan Mohamad, (2006), *Genetic variability of greater yam (Dioscorea alata L.) Cultivar in Malaysia as revealed by RAPD markers*, Journal of Sustainability Science and Management, Vol 01(02)

Sayed M. Zain Hasan, Andrew A. Ngadin, Ramisah M. Shah and Norizan Mohamad, (2008), *Morphological variability of greater yam Dioscorea alata L.) in Malaysia*, Cambridge journals - Plant Genetic Resources: Characterization and Utilization, Vol 6(01) : 52-61

Melanie Morel, Andrew A. Ngadin, Michel Droux, Jean-Pierre Jacquot and Eric Gelhaye, (2009), *The fungal glutathione S-transferases system. Evidence of new classes in the wood-degrading basidiomycete Phanerochaete chrysosporium*, Cellular and Molecular Life Sciences, Vol 66(23) : 3711-3725

Anne Thuillier, Andrew A. Ngadin, Cecile Caupert, Patrick Billard, Jean-Pierre Jacquot, Eric Gelhaye and Melanie Morel, (2011), *Functional diversification of fungal glutathione transferases from the Ure2p class*, International Journal of

Edgar Meux, Pascalita Prosper, Andrew A. Ngadin, Claude Didierjean, Melanie Morel, Stephane Dumarcay, Tiphaine Lamant, Jean-Pierre Jacquot, Frederique Favier, and Eric Gelhaye, (2011), *Glutathione transferases of Phanerochaete chrysosporium : A Sglutathionyl-p-hydroquinone reductase belongs to a new structural class.*, Journal of Biological Chemistry, Vol 286(11) : 9162-9173

Wahizatul, A.A., Ngadin, A.A., Ng, L.C. and Pong, K.K., (2013), *Identification and characterization of fungi associated with red palm weevil, Rhynchophorus ferrugineus: A microscopy study*, Malaysian Journal of Microscopy, Vol 9 : 127-132

Ng, L.C., Ngadin, A.A., Azhari, M., and Zahari, N.A., (2015), *Potential of Trichoderma spp. as Biological Control Agents Against Bakanae Pathogen (Fusarium fujikuroi) in Rice.*, Asian Journal of Plant Pathology, Vol 9(2) : 46-58

Chapter in Books

Andrew, A.N. and Syaed, M.Z.H. (2008), Phenotypic relationship among greater yam (*Dioscorea alata* L.) accession in Malaysia in *Agrobiodiversity in Malaysia* Edition 1st Page : 92-102

Melanie Morel, Andrew A. Ngadin, Jean-Pierre Jacquot and Eric Gelhaye (2009), Reactive Oxygen Species in *Phanerochaete chrysosporium* Relationship Between Extracellular Oxidative and Intracellular Antioxidant Systems in *Advances Botanical Research - Oxidative Stress and Redox Regulation in Plant* Edition 41st Page : 153-186

Thesis Dissertations

Variability of greater yam (Dioscorea alata L.) cultivars in Malaysia, Universiti Malaysia Terengganu, Agrotechnology, 2006

Biochemical and functional characterization of glutathione S-transferases (GSTs) in Phanerochaete chrysosporium, Nancy University, Biological Sciences, 2011

Articles in Proceedings

Ngadin, A.A., and Razali, N.M. (2013), *Fungal diversity and conservation in Malaysia*, Third International Congress on Fungal Conservation, Under Review, 11/11/2013, 15/11/2013, Gokova Bay, Akyaka, Mugla, Turkey

Ng Lee Chuen, Andrew A. Ngadin, Munirah bt Azhari and Nura Adila Zahari (2014), *Biological control potential of Trichoderma spp. against Bakanae pathogen (Fusarium fujikuroi) in rice*, 32nd Symposium of the Malaysian Society for Microbiology, 06/12/2014, 08/12/2014, Terengganu Equestrian Resort (TER)

Posters

Andrew A. Ngadin, Melanie Morel, Jean-Pierre Jacquot, Eric Gelhaye, (2008), *Functional Study of Glutathione S-transferase from Phanerochete chrysosporium*, XIV Biennial Meeting of the Society for Free Radical Research International, Beijing, China

Andrew A. Ngadin, , Melanie Morel, Jean-Pierre Jacquot, Eric Gelhaye, (2010), *Degradation of polycyclic aromatic compounds by fungal glutathione*, The 8th Green Chemistry, Zaragoza, Spain

Andrew A. Ngadin, Melanie Morel, Cecile Caupert, Patrick Billard Jean-Pierre Jacquoat, Eric Gelhaye, (2010), *Specificities of Ure2p-related Glutathione transferases in Phanerochaete chrysosporium*, The 9th International Mycological Congress, Edinburgh, Scotland

Ramya Sundaresan, Sayed M. Zain Hasan and Andrew A. Ngadin, (2014), *Decolorization of azo dye by saprotrophic microfungi collected from seawater sediment*, The 32nd Symposium of the Malaysian Society for Microbiology, Terengganu Equestrian Resort

General Publications

Andrew A. Ngadin, Nurul M. Razali, Sayed M. Zain Hasan, (2014), *UMT Fungi Day 2014*, Buletin Agrotek, 1, 01/01/2015

EXPERT LINKAGES

(Client),(Linkage),(Year Involve),(Duration),(Level Award).

Kochieh Wang, Consultation, 2015, 12, I

ACADEMIC PROJECT SUPERVISION

(Student's Name),(Degree),(Thesis Title),(Year Awarded).

Ramya Sundaresan, Doctor of Philosophy, Characterization of biochemical and cytosolic function of glutathione S-transferases (GSTs) of saprotrophic microfungi collected from aquaculture ecosystem for wastewater treatment, N/A

Nurulwahidah M. Razali, Master, The identification of potential macrofungi spp. tolerance to heavy metal, N/A

Siti Nur Aisyah Binti Abdul Aziz, Bachelor, Identification of macrofungi from Bidong Island, 2013

Ng Bee Yin, Bachelor, Morphological and biochemical studies of potential saprophyte fungi for detoxification, 2013

Nor Syazana Binti Muda, Bachelor, Identification of microfungi from mangrove forest in Kuala Terengganu, 2013

Nur Farhana Binti Ahmad Fuaad, Bachelor, Interaction of White-rot fungi with toxic produced by microalgae, 2013

Teh Kit Yinn, Bachelor, Biodegradation of xenobiotic compounds under saline conditions by the microfungi, 2013

Wan Afifudeen Bin Che Lah @ Abdullah, Bachelor, Interaction of abiotic stress (*Pyricularia oryzae*) and biotic stress (salinity) towards the growth of paddy plant, 2013

Nor Firdaus Mohd Yusoff, Bachelor, Potential microfungi as biocontrol in different concentration of toxic composition and its enzyme activity, 2013

Wan Siti Norainul Arifah Binti wan Ismail, Bachelor, The application of *Phanerochaete chrysosporium* in biotreatment of waste water, 2012

Munirah Binti Azhari, Bachelor, Biocontrol potential of *Trichoderma* spp. against *bakanae* pathogen (*Fusarium fujikuroi*) from rice, 2013

Pong Kuan Kin, Bachelor, Isolation of fungi associated with Red Palm Weevil *Rhynchophorus ferrugineus* (Insecta; Coleoptera; Curculionidae), 2013

Nura Adila bt. Zahari, Bachelor, Effect of *Trichoderma* spp. on the suppression of *bakanae* pathogen (*Fusarium fujikuroi*) on rice, 2014

Nur Farahim bt. Musanip, Bachelor, Isolation and identification of cadmium responsive gene in fungus isolated from mangrove, 2014

Noor Zarifah bt. Ismail, Bachelor, Isolation and identification of lipase gene in fungus isolated from mangrove, 2014

Nor Yasmin bt. Mohamad Fauzi, Bachelor, Isolation and identification of lipase gene in fungus isolated from mangrove, 2014

Nur Fatin Nadia bt. Che Soh, Bachelor, Isolation and identification of cadmium-responsive gene in fungus isolated from mangrove, 2014

Ainulasyikin bt. Mansor, Bachelor, Isolation and identification of cadmium-responsive gene in fungus isolated from mangrove, 2014

Muhammad Shahrul Hafiz bin Elham, Bachelor, Occurrence and characterization of entomopathogenic fungi, *metarhizium* sp. in inland and coastal of Terengganu, 2014

Nur Shaahidah bt. Nawi, Bachelor, Identification of microfungi from Siem Reap, Cambodia, 2014

Siti Nur Ain bt. Roslan, Bachelor, Saprotrophic microfungi collected from Phnom Pehn, Cambodia, 2014

Rhustylia Joyner Raymond, Bachelor, Isolation and Identification of microfungi from Tasik Kenyir, 2015

Siti Nabilah Ismail, Bachelor, The effectiveness of fungi to improve crop yield under water stress condition, 2015

Nur Fatin Binti Shahr, Bachelor, The potential to inhibit *Chlorella* sp. by *Talaromyces* sp., 2015

Al Ismail Bin Ahmad, Bachelor, Decolorization of azo dye by Talaromyces sp. collected from Bidong island, 2015

Siti Nur Fatimah Ain Binti Zainal Abidin, Bachelor, Comparison of thermophilic aerobic bacteria using selected chemical and biochemical tests, N/A

Nurafika Binti Nordin, Bachelor, Identification of aerobic thermophilic bacteria on different substrate for enzyme assays, N/A

Hazlin Iswanie Binti Jemani, Bachelor, Identification of two strain of thermophilic bacteria from La Hot Spring and its potential on enzyme assays, N/A

Siti Fahidah Binti Zairudin, Bachelor, Enzyme assay of three thermophilic bacteria isolated from La Hot Spring, Terengganu, N/A

SUBJECT TAUGHT

(Subject),(Session),(Credit Hour),(Student Level),(Organisation).

Developmental Biology, I 2011/12, 4, 87, 3, Department of Biological Sciences

Principles of Biology, I 2011/12, 3, 137, 4, Department of Biological Sciences

Biology and Plant Diversity, I 2011/12, 4, 180, 3, Department of Biological Sciences

Genetics, II 2011/12, 4, 50, 3, Department of Biological Sciences

Mycology, II 2011/12, 3, 40, 3, Department of Biological Sciences

Mycology, I 2012/13, 3, 73, 3, Department of Biological Sciences

GENETIK, II 2012/13, 4, 53, 3, Department of Biological Sciences

EVOLUSI DAN BIODIVERSITI, I 2013/14, 3, 186, 3, Department of Biological Sciences

MIKOLOGI, I 2013/14, 3, 89, 3, Department of Biological Sciences

MIKOLOGI, II 2013/14, 3, 36, 3, Department of Biological Sciences

GENETIK, II 2013/14, 4, 70, 3, Department of Biological Sciences

MIKOLOGI, I 2014/15, 3, 80, 3, Pusat Pengajian Sains Asas

POMOLOGI, I 2014/15, 3, 84, 3, School of Food Sciences and Technology

PEMBUNGKUSAN DAN PERAGAAN MAKANAN, II 2014/2015, 3, 77, 3, School of Food Science and Technology

GENETIK DAN BIOTEKNOLOGI PERTANIAN, II 2014/2015, 3, 107, 3, School of Food Science and Technology

POMOLOGI, I 2015/ 2016, 3, 73, 3, School of Food Science and Technology

EXPERT CONSULTATION

(Consultation),(Role),(Client),(Level), (From - Until), (Cost).

Product for pest and disease control of Dragon fruit (*Hylocereus polyrhizus*), Advisor,
December 2015 - December 2016

COMMERCIALIZATION

(Comm. Type),(Industry Type),(Product),(Company Name),(Comm. Value).

EXPO/EXHIBITION

(Expo),(Venue),(Organizer),(Level),(Date),(Cost).

EXTERNAL/INTERNAL/INDEPENDENT EXAMINER

(Candidate/Body),(Degree Level),(Role),(From)-(Until).

EXTERNAL REVIEWER/EDITORIAL

(Activity),(Role),(From)-(Until)

JOURNAL OF SUSTAINABILITY SCIENCE AND MANAGEMENT, Reviewer,
01/08/2013 - 01/08/2013

Brazilian Journal of Botany, Reviewer, 01/12/2014 - 01/12/2014

The Malaysian Society for Microbiology, Co-Editor, 01/11/2014 - 01/11/2014

The Malaysian Society for Microbiology, Co-Editor, 01/11/2014 - 01/11/2014

The Malaysian Society for Microbiology, Co-Editor, 01/11/2014 - 01/11/2014

The Malaysian Society for Microbiology, Co-Editor, 01/11/2014 - 01/11/2014

The Malaysian Society for Microbiology, Co-Editor, 01/11/2014 - 01/11/2014

Microscopy and Microanalysis, Reviewer, 01/11/2015 - 01/12/2015

Proceeding of Post Graduate Seminar 2015, Reviewer, 01/08/2015 - 01/09/2015

Proceeding of Post Graduate Seminar 2015, Reviewer, 01/08/2015 - 01/09/2015

ATTENDED COURSE/SEMINARS

(Name of Seminar/Course),(Role),(From)-(Until),(Place),(Title of Paper Presented - if applicable).

3rd International Congress on Fungal Conservation, Oral presenter, 11/11/2013 -
15/11/2013, Mugla, Bodrum, Turkey, Diversity of fungi and Conservation in Malaysia

Management of Microbial Culture Collection Seminar and Workshop 2013, Participant,
30/09/2013 - 03/10/2013, Institute of Bioscience

The 32nd of Symposium of the Malaysian Society for Microbiology (MSM), Participant, 06/12/2014 - 08/12/2014, Terengganu Equestrian Resort, Malaysia, Decolorization of azo dye by saprotrophic microfungi collected from seawater sediment

High Impact Journal Writing Workshop 2014, Participant, 22/12/2014 - 22/12/2014, UMT

Seminar on Postgraduate Supervision, Participant, 19/10/2014 - 19/10/2014, School of Food Sciences and Technology

PROFFESIONAL DEVELOPMENT

(Name of Training),(From)-(Until),(Place),(Sponsor).

Academic Attachment, 04/05/2015 - 04/07/2015, University of Bergen, NORWAY

INTERNSHIP SUPERVISION

(Student Name),(Organisation),(From)-(Until)

Anais KERAVAL, University of South Brittany (UBS), 29/03/2015 - 26/06/2015

Ooi Seet Yee, NANOCEN, University of Malaya (UM), 01/07/2012 - 17/08/2012

Pui Wei Sek, NANOCEN, University of Malaya (UM), 01/07/2012 - 17/08/2012

Anis Fatimah Binti Redwan, Ar-Raudhah BIO-TECH, 01/07/2012 - 17/08/2012

Nur Farhana bt. Ahmad Fuaad, Perhilitan, Cheras, Kuala Lumpur, 01/07/2012 - 17/08/2012

Nurmariana Binti Zulrahman, Perhilitan, Cheras, Kuala Lumpur, 01/07/2012 - 17/08/2012

Ilya Fatihah bt. Muhammad, Institut Pertanian Tropika, UPM, 16/06/2014 - 05/09/2014

Nursuhaili bt. A. Bakar, Institut Pertanian Tropika, UPM, 16/06/2014 - 05/09/2014

Nurul Ashikin Bt. Mohamad Wasis, Pejabat Pertanian Daerah Kuala Langat, 16/06/2014 - 05/09/2014

Nur Suhaili Bt. Solihin, Jabatan Pertanian Daerah Klang, 16/06/2014 - 05/09/2014

Muhammad Hazwan Aizat Bin Mohd Ghazali, Pusat Biosekuriti Perikanan Negeri Selangor, 16/06/2014 - 05/09/2014

STUDENT ADVISORY

(Matric),(Student),(From)-(Until).

UK 21539, Wan Siti Norainul Arifah bt. Wan Ismail, 24/07/2011 - 21/06/2012

UK 23912, Ng Bee Yin, 31/07/2012 - 15/06/2013

UK 22504, Teh Kit Yinn, 12/07/2012 - 15/06/2013

UK 22514, Wan Afifudeen, 12/07/2012 - 15/06/2013

UK 24052, Nor Firdaus bt. Mohd Yusoff, 12/07/2012 - 15/06/2013

UK 22752, Nur Farhana bt. Ahmad Fuaad, 01/09/2012 - 15/06/2013

UK24225, Nor Syazana bt. Muda, 01/09/2012 - 15/06/2013

UK 21991, Siti Nur Aisyah bt. Abdul Aziz, 01/09/2012 - 15/06/2013

UK26183, Nur Shahidah Binti Nawi, 08/08/2013 - 20/06/2014

UK26108, Siti Nur Ain Binti Roslan, 08/08/2013 - 20/06/2014

OTHER CONTRIBUTIONS

(Activity),(Role),(From)-(Until),(Level).

The International Society for Silicon in Agriculture and Related Disciplines, member, 19 December 2015 - Present, National

American Society for Microbiology, member, 01 November 2015 - Present, National

Bukit Kor Volunteer programme, Supervisor, 20 November 2015 - 07 December 2015, National

The International Union for Conservation of Nature (IUCN), members of the Specialist Group, 11 November 2013 - Present, National

International Society for Fungal Conservation (ISFC), member of society, 11 November 2013 - Present, National

Mycology project (Volunteer: Amanda Tas Biken - SWEDEN), Main supervisor, 09 February 2013 - 09 May 2013, National

Visiting Scientist from University of Hawaii/ volunteering (E. Garcia and S. Vandruff), Main supervisor, 06 May 2014 - 06 June 2014, National

Visiting Scientist from University of Belgrade, Serbia (Dr. Milos Stupar), Main supervisor, 11 June 2014 - 11 July 2014, National