

CURRICULUM VITAE

Name : MOHAMAD KHAIRI B MOHD ZAINOL
Department :
Post : SENIOR LECTURER
Gender : MALE
Race : MALAY
Nationality : MALAYSIA
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MUKIM TAJAR
06500 LANGGAR, ALOR SETAR
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ACADEMIC QUALIFICATION

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

Universiti Putra Malaysia, Bsc, Food Science and Technology, 1999

Universiti Putra Malaysia, Msc, Food Chemistry and Biochemistry, 2004

University of Nottingham, Ph.D, Food Biophysical, 2012

PROFESSIONAL QUALIFICATIONS

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

PREVIOUS APPOINTMENT

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

Tutor, UMT, September 2001-December 2004

Lecturer, UMT, December 2004-Present

ADMINISTRATIVE DUTIES

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

AJK Kelab jabatan sains makanan (KEJASAMA), September 2012, January 2014, D, UMT

AJK, October 2015, October 2015, U, AJK induk program Interaksi ALUMNI 2015 PPSTM

AJK perlaksana Projek inovasi sosial PPSTM - Amalan penyediaan dan perkhidmatan makanan berkualiti, January 2015, December 2015, U, UMT

AJK pembangunan pelajar PPSTM, January 2015, December 2015, F, UMT

UMTAS 2012, May 2012, September 2012, U, UMT

Jawatankuasa Laman web FASM, July 2012, Present, F, UMT

Jawatankuasa perundingan FASM, June 2012, Present, F, UMT

Penyelaras Makmal Jabatan sains makanan, January 2012, January 2014, D, UMT

JK keselamatan dan kesihatan pekerjaan FASM, September 2012, January 2013, F, UMT

AJK pemeriksaan bulanan Kafeteria UMT, October 2012, Present, U, UMT

Jawatankuasa Program Kampus Lestari UMT, January 2013, January 2014, U, UMT

Appointed as Coordinator of Food Science Final Year Project, December 2004, August 2007, D, UMT

AJK, January 2013, Present, U, AJK kelestarian Universiti UMT

Penasihat Kelab Sains Makanan (Student's Food Science Cluc, FSC), February 2013, Present, U, UMT

AJK Penubuhan Progran antarabangsa Bachelor Food Science (Food Service and Nutrition), January 2014, Present, U, UMT

AJK Keselamatan dan Kesihatan PEkerjaan Teknologi Makanan, January 2014, Present, U, UMT

Urusetia Program Attachment Pelajar UNPAD, February 2014, April 2014, U, UMT

AJK Teknikal Laman WEB Sekolah Sains dan Teknologi Makanan, January 2014, Present, UMT

Ahli Mesyuarat PPSTM, January 2014, Present, UMT

AJK Pembangunan pelajar PPSTM, January 2014, Present, UMT

AJK Promosi dan Publisiti PPSTM, January 2014, Present, UMT

AJK pelaksana hari inovasi 2013, March 2014, March 2014, UMT

AJK Saintifik sempena 22nd Scientific Conference of Microscopy Society Malaysia (MSM 2013), May 2014, May 2014, N, UMT

Penyelaras makmal Kimia Makanan, PPSTM, January 2014, Present, U, UMT

Liason Office for MIFT seminar 2015, September 2014, Present, N, Malaysian Institute of Food Technology

RESEARCH

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

Catechins, anthocyanidins, flavonols, flavones, flavonones and isoflavones in leaves of selected mangrove species in Setiu wetland as potentially antioxidative remedy compounds, March 2015 - In Progress, NRGS, National

Developing healthy eating model among children based on web based intervention in

Setiu Wetland's residents., March 2015 - In Progress, NRGs, National

Deciphering the roles of fish protein in reducing oil uptake in seafood product, December 2014 - In Progress, FRGS, National

The biochemical mechanism activity of gene detoxifying enzymes in a metal bioaccumulation study involving parasite-host interaction, June 2013 - In Progress, National

Characterization of angiotensin-converting enzyme (Ace) inhibitory peptide and antioxidative peptide from mud crab, June 2014 - In Progress, National

CHARACTERIZATION OF ANTIOXIDANT COMPOUNDS IN WATER LILY, January 2013 - In Progress, UMT, National

Determination of Phenolic Compounds and Antioxidative Activity of Selected Local Medicinal Plants., June 2007 - June 2008, National

Nutritional Database of Terengganu's ?Kuih? Principal Investigator, June 2007 - June 2008, National

Determination of Nutritional Composition, Total Phenolic Compounds and Antioxidative Activity of Selected Edible Resources From Mangrove Forest of East Malaysia, December 2006 - December 2007, National

Screening of Water and Lipid Soluble Antioxidant Capacity of Selected Local ?Ulam? of Malaysia Using 2, 2-Diphenyl-1-Picrylhydrazyl (DPPH) Radical Scavenging Method and Photochemiluminescence (PCL) Assay, December 2006 - December 2007, National

PROFESSIONAL AFFILIATIONS

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

Malaysian Institute of Food Technologist, Ordinary member, January 2005 - Present

UK biochemistry society, Student member, January 2008 - December 2012

Malaysian Nutrition Society, Ordinary member, January 2003 - January 2007

Asia-Pasific Chemical, Biological and Environmental Engeneering Society, Member, May 2014 - Present

EXPERT TECHNICAL/CONTRIBUTION

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

9TH MIFT SEMINAR (FOOD BOWL QUIZ), MIFT, Advisor, January 2015 - December 2015, International

Terengganu Halal Panel, January 2005 - August 2007, International

PROGRAM TRANSFORMASI KOMUNITI ECER TERENGGANU (PEMBANGUNAN PRODUK LABU DAN SOSEJ), ECER, Co-Researcher, January 2015 - December 2015, International

AWARD AND RECOGNITIONS

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

Pencalonan untuk anugerah pengajaran dan pembelajaran UMT 2014 kategori Pensyarah muda, UMT, 2014, University

Pencalonan bagi anugerah Staf harapan UMT 2014, UMT, 2015, University

Silver Medal for Nipah leather product, British Invention Show 2008, 2008, International

First placed award in Inter-university post-graduate food research seminar in conjunction with the 25th celebrations and open day of Faculty of Food Science and Biotechnology. 12-14 July 2002., MIFT/UPM, 2003, National

Third placed for best poster presentation at Seminar on Medicinal Plant, Tongkat Ali, Kacip Fatimah and Pegaga, 20-21 August 2002. FRIM, Kepong.
(Effect of different drying treatments on flavonoid levels in *Centella asiatica* (L.) Urban (Pegaga)., FRIM, 2002, National

Third placed for best poster presentation at Seminar on Aromatic and Medicinal Plant, 24-25 July 2001 FRIM, Kepong.
(Antioxidative activity of Leaf, Root and Petiole in Four Varieties of *Centella asiatica* (L.) Urban., FRIM, 2001, National

Gold medal award in Invention and Research exhibition 2002, Organized by Research Management Center, UPM., UPM, 2002, University

Silver medal for Nipah leather product at ITEX exhibition 2006, ITEX, 2006, National

Gold medal at PECIPTA exhibition 2007, PECIPTA, 2007, National

KEYNOTE ADDRESS / INVITED SPEAKER

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

Perspektif Halal di Kalangan Pengguna Malaysia, Kursus Penyediaan Makanan Halal,, Kursus Penyediaan Makanan Halal,
Sultan Mizan Golf and country club, JHEAT, 18/11/2006, National

Perspektif Halal di Kalangan Pengguna Malaysia, Kursus Penyediaan Makanan Halal,, Kursus penyediaan makanan halal, Terengganu, JHEAT, 01/06/2007, National

What is food science and Technology, Hari Terbuka PPSTM 2014, PPSTM, 08/09/2014, National

Is there any future in Food Technology?, discovery food science, PPSTM, food science club, 01/09/2013, National

INTELLECTUAL PROPERTY RIGHTS

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

UNPATENT INTELLECTUAL PROPERTY RIGHTS

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

PUBLICATIONS

(Publication),(Level).

Articles in Journals

Zainol, M. K., Abdul-Hamid, A., Yusof, S. & Muse, R., (2003), *Antioxidative activity and total phenolic compounds of leaf root and petiole of four accessions of Centella asiatica.*, Journal of Food Chemistry,, Vol 81(4) : 575-581.

Mohd Zainol, M. K., Abdul-Hamid, A., Abu Bakar, F and Pak Dek, S, (2009), *Effect of different drying Methods on the degradation of selected flavonoids in Centella asiatica.*, International Food Research Journal, Vol 16 : :531-537

Zainol, M. K, Mohd Zin, Z., Linforth, R. S. T and Scott, D. J, (2014), *OVEREXPRESSION, EXTRACTION, PURIFICATION AND CHARACTERISATION OF DppA FROM Escherichia coli*, Journal Of Biochemistry, Microbiology And Biotechnology, Vol 2(2) : 1-7

Mohamad Khairi Zainol*, Siti Hajar Azureen Tajudin, Yusnita Hamzah & Zamzahaila Mohd Zin, (2015), *Proximate Analysis, Antioxidative Activity, Flavonoids and Total Phenolic content of Terung Asam (Solanum ferox) Leaves and Petioles*, Sains Malaysiana (Food Science and Nutrition), Submitted

Chapter in Books

(2012), UMT pemacu industri agroteknologi negara in *AGROJOURNAL*

Thesis Dissertations

Development of yoghurt drinks using Lactobacillus acidophilus and Bifidobacterium bifidum, 1999. B.Sc Thesis, FSMB,, UPM Serdang, FSMB,, 1999

Determination of Flavonoids in Centella asiatica (L.) Urban and their Utilisation in Herbal Noodle., UPM Serdang, FSMB,, 2004

Investigation of dipeptide binding affinity and specificity to DppA from E. coli, University of Nottingham, Sutton Bonington, Food Science, 2012

Articles in Proceedings

Zainol, M. K., Md. Shah, Z. and Abdul-Hamid, A. (2001), *Compounds That Contribute to Antioxidative Activity of Centella asiatica (L.) Urban.*, Proceedings of the Conference on Functional Food- Latest Development, April 10-11, 2001 pp 123-131., 10/04/2001, 11/04/2001, FRIM, Kepong

Zainol, M. K., Abdul-Hamid, A., Yusuf, S. and Muse, R. (2001). (2001), *Antioxidative*

activity of Leaf, Root and Petiole in Four Varieties of Centella asiatica (L.) Urban. ,, Proceeding of the Seminar on Aromatic and Medicinal Plants, 24/07/2001, 25/07/2001

Ong, M.K., Zainol, M. K., Mislán, M., Md Shah, Z. and Abdul-Hamid, A. (2002), *Comparison of antioxidant activity in leaf, stem and root between Hydrocotyle asiatica and Centella asiatica.*, Proceeding of the Scientific Conference on Food Antioxidants, April 23-24, 2002., 23/04/2002, 24/04/2002

Zainol, M. K., Abdul-Hamid, A., Yusof, S. and Muse, R. (2002), *Effect of different drying treatments on flavonoid levels in Centella asiatica (L.) Urban (Pegaga).*, Proceedings on Medicinal Plants, Tongkat Ali Kacip Fatimah and Pegaga. 20-21 August 2002. (pp 131-137)., 20/08/2002, 21/08/2002, Forest Research Institute of Malaysia, Kepong, Kuala Lumpur.

Zainol, M. K., Abdul-Hamid, A., Yusof, S. and Muse, R. (2005), *Flavonoids profile in Centella asiatica (L.) Urban and its stability upon drying treatments. Malaysia , Kuala Terengganu.*, Proceedings of KUSTEM 4 th Annual Seminar on Sustainability Science and Management. 2-3 May 2005 Kolej Universiti Sains dan Teknologi, 02/05/2005, 05/05/2005

Mohd Zin, Z. , Abdul-Hamid, A., Osman, A. Saari, N. and Zainol, M. K (2005), *The Antioxidative Properties of Mengkudu (Morinda citrifolia L.) Root, Fruit and Leaf.*, KUSTEM 4 th Annual Seminar on Sustainability Science and Management. Meeting Challenges in Sustainable Agrotechnology., 02/05/2005, 03/05/2005

Mohd Zin, Z., Tan, L.C. and Zainol, M. K. (2006), *Effect of different drying methods on physicochemical and antioxidant activities of yam flours.*, Proceeding UMS-NCFN, 01/01/2006, 03/01/2006, Kota Kinabalu, Sabah

Mohamad Khairi Zainol, Azhani Uda and Masduki Mohd Morni (2006), *EFFECT OF DIETARY COCONUT MEAL ON FLESH COMPOSITION OF AFRICAN CATFISH (Clarias gariepinus).*, 2nd International Conference on Animal Nutrition 2006 (ICAN) : Theme: Safety in feeding for quality livestock production, 23/08/2006, 24/08/2006

Masduki Mohammad Morni, Aziz Ahmad, Nooraishah Muda and Mohamad Khairi Zainol (2006), *Effects Of Dietary Coconut Meal On Growth And Survival Of Tilapia (Oreochromis niloticus).*, 2nd International Conference on Animal Nutrition 2006 (ICAN) : Theme: Safety in feeding for quality livestock production Date: 21 - 24 August 2006, 21/08/2006, 24/08/2006, Renaissance Melaka Hotel, Malaysia

Mohd Zin, Z., Ibrahim, S, Ibrahim S, and Zainol, M. K (2007), *Determination of nutritional composition, total phenolic compound and antioxidative activity of mangrove fruit and leaves.*, 01/01/2007, 01/01/2007, Terengganu

Zainol, M. K., Abd-Hamid, A, Yusof, S and Muse, R, Mohd Zin, Z (2007), *Flavonoids determination in Centella asiatica using Reverse-phase high-performance liquid chromatography*, The national Horticulture Conference 2007, 13/03/2007, 15/03/2007, Johor Bahru

Mohamad Khairi Mohd Zainol, David J. Scott, and Robert S. T. Linforth (2009), *INVESTIGATION OF DIPEPTIDE BINDING AFFINITY OF DppA*, UMT-MSD Postgraduate Seminar 2009, 12/05/2009, 13/05/2009, Leeds, UK

Zainol, M. K, Linforth, R. S. T. and Scott, D. J. (2009), *Initial study of DppA Periplasmic Dipeptide binding protein*, Midlands Biophysic workshop., 08/07/2009, 09/07/2009

Zainol, M. K, Linforth, R. S. T and Scott, D. J (2012), *Study of DppA and Dipeptide Interaction Using ITC.*, Proceeding of UMTAS 2012. 9-11 July 2012, 09/07/2012, 11/07/2012

Zainol, M. K, Linforth, R. S. T and Scott, D. J (2013), *Investigation of DppA-Dipeptide Binding Characteristics by Site Directed Mutagenesis.*, National Conference on Industry-Academia Initiatives in Biotechnology., 05/12/2013, 07/12/2013, Cameron Highland

Mohamad Khairi Zainol, Nurul Farehah Azmi¹, Mohd Danish-Daniel and Zamzahaila Mohd Zin (2014), *EFFECT OF GINGER EXTRACT AS ANTIMICROBIAL AGENT ON WHOLE ROUND SCAD (Decapterus punctatus)*, 32nd Symposium of the Malaysian Society for Microbiology (MSM2014) 6-8 December 2014 Page 184-187, 06/12/2014, 08/12/2014, Terengganu Equestrian Resort (TER), Terengganu, Malaysia

Hau Eng Huan, Mohamad Khairi Zainol, Amiza Mat Amin and Zamzahaila Mohd Zin (2015), *The Effect of Drying methods on the quality of Fish protein hydrolysate from Yellowstripe scad (Selaroides leptolepis)*, International Fishery Symposium 2015, 01/12/2015, 04/12/2015

Zainol, M. K., Ramli, N., Ahmad, A. and Mohd Zin, Z. (2015), *NUTRITIONAL COMPOSITION OF UNDERUTILIZED FRESHWATER FISH FROM HULU TERENGGANU*, International Fishery Symposium 2015, 01/12/2015, 04/12/2015, Pulau Pinang

Posters

Effect of different drying treatments on flavonoid levels in *Centella asiatica* (L.) Urban (Pegaga) Mohd Khairi Zainol, Azizah Abdul Hamid, Salmah Yusof and Radzali Muse., (2002)

c) Compounds That Contribute to Antioxidative Activity of Centella asiatica (L.) Urban.

Mohd Khairi Zainol, Azizah Abdul Hamid and Zamree Md Shah, (2003)

Determination of maturity stage of Centella asiatica (CA 05).

Ong Mey King, Mohd Khairi Zainol, Khor Pey Gin and Azizah Abdul Hamid, (2013)

EXPERT LINKAGES

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

ACADEMIC PROJECT SUPERVISION

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

NUR HAFIZAH BT MALIK (GSK2522), Master, N/A

HAU ENG HUAN (GSK2476), Master, N/A

Nurul Aina Syuhada Mahusain, Doctor of Philosophy, N/A

Nur Alia Zainal, Bachelor, Physicochemical properties of catfish protein hydrolysate incorporated in batter and its effect on oil uptake upon frying, N/A

Norhazwani Mohd Hafhid, Bachelor, physicochem properties and sensory acceptance of pastille made using butterfly pea flower, N/A

Nur Izzati Binti Mohd Fauzi, Bachelor, N/A

Ng Khai Shin, Bachelor, N/A

Nur hakimah Binti Razman, Bachelor, N/A

Nurulnaimah binti Ismail, Bachelor, N/A

Nur Izzati Binti Azman, Bachelor, N/A

Ria Handayani Binti Aliman, Bachelor, N/A

Nurul Zurain Binti Mohd Zaid, Bachelor, 2016

Lew Huey Wern, Bachelor, 2016

Nur Batjwa Fatihah Binti Ramlan, Bachelor, N/A

Ummi Nabilah Binti Hairul Sham, Bachelor, N/A

Omisyamimi binti Markom, Bachelor, 2015

AFIF NAJIHAH BINTI KEPLI, Bachelor, 2015

NURUL FADZILAH BINTI MOHD KADIMI, Bachelor, 2015

Nor Izaidah binti Ismail, Bachelor, 2015

NURSHAZANA BINTI SHAHARIN, Bachelor, 2015

Shahriz Esmalia Binti Mohd Sabri, Bachelor, 2015

Puteri Nabila Bt Baharu, Bachelor, 2015

SITI FATIMAH TUN ZAHARAH BT HAMZAH, Bachelor, 2015

nurul fadzilah binti mohd kadimi, Bachelor, 2015

NUR SYAZWANI ABD. RAZAK, Bachelor, PHYSICOCHEMICAL PROPERTIES OF PASTILLE CONTAINING WATER LILY PUREE, 2014

NURUL SYAHIRAH TAJOL ARIFFIN, Bachelor, EFFECT OF DIFFERENT DRYING TREATMENT ON PHYSICAL OF WOLF HERRING PROTEIN ISOLATED, 2014

Nurulfarehah Azmi, Bachelor, EFFECT OF Zingiber officinale (GINGER) EXTRACTS AS ANTIMICROBIAL AGENT IN *Decapterus punctatus* (ROUND SCAD), 2014

NORHAYATI BINTI BASHAH, Bachelor, ANTIOXIDANT ACTIVITY AND FLAVONOIDS CONTENT IN DIFFERENT PARTS (LEAVES, PETIOLES, ROOTS) OF WATER LILY (*Nymphae antares*) USING DIFFERENT EXTRACTION SOLVENTS, 2014

Nabila Ramli, Bachelor, NUTRITIONAL VALUES FOR DIFFERENT SPECIES OF FRESHWATER FISH FROM HULU TERENGGANU, 2015

NUR HAMIZAH HASHIM, Bachelor, DEVELOPMENT OF PASTILLE FROM CIKU FRUITS (*Manilkara zapota*), 2014

NORHIDAYAH BINTI AB KAHAR, Bachelor, NUTRITIONAL COMPOSITION DETERMINATION THROUGH PROXIMATE ANALYSIS OF THREE CATFISH SPECIES FROM THE GENUS *Clarias* (FAMILY: CLARIIDAE), 2014

NUR HAFIZAH BT MALIK, Bachelor, PROXIMATE ANALYSIS OF THREE SNAKEHEAD SPECIES (Genus *Channa*) IN TERENGGANU, 2015

Wan Mohd Faiz Akmal b Wan salam, Master, Edible Films Based on Sodium Caseinate/Carboxymethyl cellulose/Beeswax Mixtures for Retention of Predominant Aroma Compound(s) from Shrimp Paste, N/A

ATIQAHA ZAHRA MOHAMAD SANURI, Bachelor, ANTIOXIDANT ACTIVITY AND FLAVONOIDS CONTENT IN DIFFERENT PARTS OF FLOWER (PETAL AND STAMEN) OF WATER LILY (*Nymphaeaceae antares*) USING DIFFERENT EXTRACTION SOLVENTS, 2015

SITI NUR ?AMIRAH MUHAMMAD HASSAN, Bachelor, PHYSICOCHEMICAL PROPERTIES OF PASTILLE CONTAINING BUNGA RAYA (*Hibiscus rosa sinensis*), 2014

siti nur liyana Judin, Bachelor, 2013

Siti Hajar Azureen, Bachelor, 2013

Anis farhanah, Bachelor, 2013

Bushra Nuruddin, Bachelor, 2013

siti khairunnisak, Bachelor, 2013

farah nur ayuni, Bachelor, 2013

hafizah roslan, Bachelor, 2013

nur hayati zulpakar, Bachelor, 2013

noorain, Bachelor, 2013

nur atiqah hanis, Bachelor, 2013

NURSYIDA YUSOFF@ CHE SOH, Bachelor, Penentuan aktiviti antioksidan, bhn fenolik dan perbandingan ciri fizikal dalam 3 jenis minyak kelapa yg berbeza warna dan dibandingkan dengan myk kelapa sawit sebelum dan selepas, 2006

nurul shahida, Bachelor, 2013

LIM CHEE CHIEN, Bachelor, Antioxidative activity and nutritional composition of selected vegetables that undergone different processing method, 2006

GOH YEE MUN, Bachelor, Effect of different drying techniques on quality of dried vegetables, 2006

MOHD HAFIS AB. RAHMAN, Bachelor, Development of coconut oil mayonaise using RSM procedures, 2006

SITI ASLIZA AHMAD, Bachelor, Antioxidative activity of dried Jering fruit (Different maturity levels), 2006

CHAN CHIN FOONG, Bachelor, Comparison of nutritional value and sensory qualities of organically, hydroponically and conventionally produced vegetables, 2006

GOH HUA CHOONG, Bachelor, Reconstitute ability of of starch based product dried using different drying method, 2006

AIDA AFZAN ARIFFIN, Bachelor, Effect of coconut meal on nutritional Composition of Catfish, 2006

ANG PHOOI CHAN, Bachelor, Effect of coconut meal on nutritional Composition of Tilapia fish, 2006

NURDILAH MOHD.TAJUDDIN, Bachelor, Kandungan bahan fenolik, mineral dan proksimat dalam rebung minyak, beti dan betung, 2006

NOOR AZNIDA RAMLI, Bachelor, Comparison of antioxidant activity in green, Oolong and Black Tea made from selected herbs and their acceptability, 2006

NOOR AZNIDA RAMLI, Bachelor, Comparison of antioxidant activity in green, Oolong and Black Tea made from selected herbs and their acceptability, 2006

Wan Sabariah Shuib, Bachelor, Antioxidant activities of different parts of *Artemisia capilaris* undergone different drying treatments, 2007

Mohd Abdulttla Ab Rahman, Bachelor, Development of hard candy containing *Nipa frutican* sap, 2007

Noriskandar Saim, Bachelor, Development of chocolate tuffle filling from *Nipa frutican* sap, 2007

Nellie ap Lourdsamy Jaya, Bachelor, Determination of AOA and TPC in different parts (leaves, roots and bark) of *Artemisia capilaris*, 2007

Lee Sook Hui, Bachelor, Comparison of AOA in different mushrooms in the market, 2007

Nurul Hanisah Juhari, Bachelor, Development of serunding from keli fish (*Clarias gariepinus*), 2007

Acmarina Nur Salwani Muhammad Dalib, Bachelor, Development of Oolong, green and black tea from *Cosmos caudatus*, 2007

Thamil Selvi Sathiasivam, Bachelor, Determination of flavonoids and vitamins content in leaves, roots and bark of *Artemisia capilaris*, 2007

Noor Afzan Mohd Nazi, Bachelor, Developments of leather from pineapple using RSM, 2007

Noranida Balkis Maheran, Bachelor, Developments of leather from banana using RSM, 2007

Shamimi Mohd Zaki, Bachelor, Determination of nutritional values in different parts (leaves, roots and petioles) of *Cosmos caudatus*, 2007

Laila Ruwaida Mohd Zainuddin, Bachelor, Development of green, oolong and black tea from *Artemisia capilaris*, 2007

Fazirul Hezly Md Akhir, Bachelor, Developments of hard candies from *Anethum graveolens*. dill, 2007

Syahzarina Ali Assan, Bachelor, Developments of biscuits from *Anethum graveolens*. dill, 2007

Rusydina Rosdi, Bachelor, Determination of AOA and TPC *Hibiscus tiliaceus* leaves, flower and bark, 2007

Ooi Yong, Bachelor, Screening for antioxidants activity in selected ?ulam?, 2007

Siti Hanim Mohd Noor, Bachelor, Study on Carotenoid Composition of Seaweed (*Gracilaria changii* dan *Gracilaria* sp.) from Sandakan, Sabah, 2007

Sharifah Norakhil Syed Loed, Bachelor, Extraction and Evaluation of Optimum Characteristic of Antioxidant Activity in Mengkudu (*Morinda citrifolia* L.) Leaf, 2007

Nurul Akma Kamaludin, Bachelor, Nutritional Composition of Edible Red Seaweed Gracilaria (Gracilaria changii and Gracilaria sp.) of Sandakan, Sabah, 2007

Nor Fadzila Jusoh, Bachelor, Comparison Study on Dietary Fiber Composition of Edible Red Seaweed (Gracilaria changii and Gracilaria sp.) of Sandakan, Sabah, 2007

Nur Ruzeela bt Ngah, Bachelor, Determination of the Physicochemical Properties and Sensory of Non-commercial Honey in East Coast Areas, 2007

Diana Abd Wahid, Bachelor, Effects of dietary coconut meal on growth of African catfish (Clarias gariepinus), 2007

Balkish Sulaiman, Bachelor, Effects of dietary coconut meal on flesh composition of Tilapia (Oeochromis niloticus), 2007

Nurfazila Said, Master, The study of Kinetic fermentation of Tapioca and Banana Potential for Fish Feed ingredient preparation, 2007

Fatin Farhah Binti Idris, Bachelor, N/A

SUBJECT TAUGHT

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

SANITASI KILANG MAKANAN, 2015-2016, 2, 88, 3, UMT

UNIT OPERASI DALAM PEMROSESAN MAKANAN, 2015-2016, 3, 3, UMT

TOKSIKOLOGI MAKANAN, 2013-2014, 3, 3, UMT

JAMINAN DAN KAWALAN KUALITI MAKANAN, 2015-2016, 3, 66, 3, UMT

INGREDIEN MAKANAN, 2013-2014, 3, 76, 3, UMT

PERUNDANGAN MAKANAN, 2, 3, UMT

SANITASI KILANG MAKANAN, 2014-2014, 2, 3, UMT

TOKSIKOLOGI MAKANAN, 1 2012-2013, 3, 43, 3, UMT

PERALATAN DALAM ANALISIS MAKANAN, 11 2011-2012, 4, 3, UMT

Pengenalan Sains Makanan, 2007, 2, UMT

PERALATAN DALAM ANALISIS MAKANAN, 1 2012-2013, 4, 3, UMT

PROJEK PENYELIDIKAN II, 3, UMT

PROJEK PENYELIDIKAN I, 3, UMT

PERUBAHAN PEMAKANAN DALAM MAKANAN, 2006, 3, UMT

PROJEK PENYELIDIKAN II, 3, UMT

PROJEK PENYELIDIKAN I, 3, UMT

PENGENALAN PERKHIDMATAN MAKANAN, 3, UMT

PEMBUNGKUSAN DAN PERAGAAN MAKANAN, 3, UMT

TEKNOLOGI PRODUK PERIKANAN, 11 2011-2012, 3, 3, UMT

TOKSIKOLOGI MAKANAN, II 2013-2014, 3, 3, UMT

JAMINAN DAN KAWALAN KUALITI MAKANAN, I 2013-2014, 3, 3, UMT

SANITASI KILANG MAKANAN, 1 2014-2015, 2, 3, UMT

JAMINAN DAN KAWALAN KUALITI MAKANAN, I 2014-2015, 3, 63, UMT

PERALATAN DALAM ANALISIS MAKANAN, II 2013-2014, 4, 3, UMT

PERALATAN DALAM ANALISIS MAKANAN, II 2012-2013, 4, 3, UMT

EXPERT CONSULTATION

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

COMMERCIALIZATION

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

EXPO/EXHIBITION

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

Inovasi UMT 2015, DSM UMT, umt, National, 01/01/2015

EXTERNAL/INTERNAL/INDEPENDENT EXAMINER

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

EXTERNAL REVIEWER/EDITORIAL

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

Asian Journal of Agriculture and Food Sciences, Reviewer, 01/01/2015 - 01/12/2015

Journal of Mathematical and Fundamental Sciences, Reviewer, 01/01/2015 - 01/12/2015

ASIAN JOURNAL OF PLANT BIOLOGY, Editor, 01/01/2014 - 01/05/2018

2nd International Conference on Agricultural and Food Engineering, CAFEi2014,
Reviewer, 01/06/2014 - 01/08/2014

2nd International Conference on Agricultural and Food Engineering, CAFEi2014,
Reviewer, 01/03/2014 - 01/08/2014

2nd International Conference on Agricultural and Food Engineering, CAFEi2014,

01/05/2014 - 01/10/2014

2nd International Conference on Agricultural and Food Engineering, CAFEi2014, Reviewer, 01/08/2014 - 01/10/2014

2nd International Conference on Agricultural and Food Engineering, CAFEi2014, Reviewer, 01/08/2014 - 01/11/2014

2nd International Conference in Agricultural and Food Engineering, Reviewer, 01/08/2014 - 01/08/2014

2nd International Conference in Agricultural and Food Engineering, Reviewer, 01/07/2014 - 01/08/2014

2nd International Conference in Agricultural and Food Engineering, Reviewer, 01/07/2014 - 01/08/2014

2nd International Conference in Agricultural and Food Engineering, Reviewer, 01/06/2014 - 01/08/2014

2nd International Conference in Agricultural and Food Engineering, Reviewer, 01/06/2014 - 01/08/2014

Journal of Sustainability Science and Management, UMT, Reviewer, 01/09/2014 - 01/10/2014

Proceeding of Post Graduate Seminar 2015, Reviewer, 01/01/2014 - 01/12/2014

ATTENDED COURSE/SEMINARS

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

NUTRITIONAL COMPOSITION OF UNDERUTILIZED FRESHWATER FISH FROM HULU TERENGGANU, Oral Presenter, 01/12/2015 - 04/12/2015, Pulau Pinang, Malaysia, **NUTRITIONAL COMPOSITION OF UNDERUTILIZED FRESHWATER FISH FROM HULU TERENGGANU**

5th International Conference on Proteomics and Bioinformatics 2015, Oral Presenter, 01/09/2015 - 03/09/2015, Valencia, Sepanyol, **DECIPHERING THE DppA-DIPEPTIDE BINDING CHARACTERISTIC USING SDM**

9th MIFT Food Science & Technology Seminar, Secretariat, 21/03/2015 - 22/03/2015, UCSI, Cheras, KL

Seminar Penyeliaan Pelajar Siswazah PPSTM, 19/10/2014 - 19/10/2014

Bengkel tesis ke buku, 17/04/2013 - 19/04/2013

2014 32nd Symposium of the Malaysian Society for Microbiology (MSM2014), Poster

presenter, 01/12/2014 - 03/12/2014, Kuala Terengganu, EFFECT OF GINGER EXTRACT AS ANTIMICROBIAL AGENT ON WHOLE ROUND SCAD (Decapterus punctatus)

ASEAN FOOD CONFERENCE, 09/09/2013 - 11/09/2013, SINGAPORE

PROGRAM WACANA PENYELIDIKAN BERSAMA NAIB CANSELOR UNIVERSITI MALAYSIA TERENGGANU, 08/01/2014 - 08/01/2014, ilik Seminar Eksekutif Bangunan Pusat Pengajian

FOOD DEFENSE AWARENESS, 21/11/2013 - 21/11/2013, Perak

AKEPT strategic leadership development (in Larning and teaching: Interactive lecture, 10/02/2014 - 14/02/2014, AKEPT

Conference on Industry-Academia Joint Initiatives in Biotechnology (CIA: Biotech 13) 5 ? 7December 2013, Oral Speaker, 05/12/2013 - 07/12/2013, Investigation of DppA-Dipeptide Binding Characteristics by Site Directed Mutagenesis

The 32nd Symposium of the Malaysian Society for Microbiology, Poster Presenter, 06/12/2014 - 08/12/2014, Terengganu, EFFECT OF Zingiberofficinale (GINGER) EXTRACTS AS ANTIMICROBIAL AGENT IN Decapteruspunctatus (ROUND SCAD)

PROGRAM SYARAHAN TAHUNAN NAIB CANSELOR UMT TAHUN 2014 Dato' Dr. Ibrahim Komoo,, Tempat: Dewan Sultan Mizan, 30/01/2014 - 30/01/2014

latihan bagi peralatan High Performance Liquid Chromatography (HPLC) yang dilengkapi dengan Photodiode Array Detector (PDA) dan RF Detector (Flourescence)., 19/02/2014 - 20/02/2014, umt

Majlis Syarahan Inaugural - Profesor Ir. Dr. Ahmad bin Jusoh yang bertajuk "Wastewater Treatment Technology : A Green Application in Aquaculture", 11/03/2014 - 11/03/2014, ppsnz

Seminar Healthy talk anjuran Pelajar sains makanan, Penceramah, 22/03/2014 - 22/03/2014, umt, What is food science

PROGRAM DENAI KERJAYA AHLI AKADEMIK UMT ? ANJURAN PASAK UMT DAN BAKAT, 09/09/2014 - 09/09/2015, umt

Hari terbuka PPSTM, Penceramah, 01/01/2015 - 09/01/2015, Hari terbuka PPSTMPPSTM, food science and food tech

taklimat program tambatan hati pelajar cemerlang...alma mater, 28/09/2014 - 28/09/2014, umt

International Fishery Symposium 2015, Oral Presenter, 01/12/2015 - 04/12/2015, Pulau Pinang, The Effect of Drying methods on the quality of Fish protein hydrolysate from Yellowstripe scad (Selaroides leptolepis)

PROFFESIONAL DEVELOPMENT

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

BENGKEL HALA TUJU PPSTM 2015, 07/07/2015 - 07/07/2015, PPSTM

SEMINAR DAN FORUM PENGKOMERSILAN PRODUK KOMUNITI KE PERINGKAT ANTARABANGSA, 13/04/2015 - 13/04/2015, UMT

INTERNSHIP SUPERVISION

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

Maisaroh Binnui (5420310035), PSU, 01/07/2015 - 14/07/2015

Cintya Nurul Apsari, UNPAD, 01/04/2014 - 12/06/2014

Lita Almira, UMPAD, 01/04/2013 - 13/06/2013

STUDENT ADVISORY

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

GSK2476, HAU ENG HUAN (GSK2476), 01/01/2015 - Present

GSK2522, NUR HAFIZAH BT MALIK (GSK2522), 01/01/2015 - Present

OTHER CONTRIBUTIONS

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

Karnival pendidikan Kerjaya Kolej Matrikulasi Perlis, Penceramah, 07 November 2014 - 08 November 2014, National

Pegawai pengiring kepada pegawai kedutaan bagi Majlis International Gala Night 2012, Pegawai pengiring, 01 May 2012 - 01 May 2012, National

JawatanKuasa pelaksana pameran dan pertandingan Inovasi UMT 2012, Ahli, 14 May 2012 - 15 May 2012, National

Karvival pendidikan Kerjaya Kolej Matrikulasi Pulau Pinang, Penceramah, 10 October 2012 - 12 October 2012, National

Food Science discovery, Penceramah, 22 September 2013 - 22 September 2013, National

Hari Terbuka PPSTM 2014, Penceramah, 14 September 2014 - 14 September 2014, National