



NINA SUHAITY AZMI

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Pendidikan (*Education*)

UNIVERSITY OF LIVERPOOL, UK PHD (BIOCHEMISTRY)	2013
UNIVERSITI PUTRA MALAYSIA MASTER OF SCIENCE (BIOTECHNOLOGY)	2005
UNIVERSITI PUTRA MALAYSIA BACHELOR OF SCIENCE (HONS) BIOCHEMISTRY	2003

Pengalaman (*Experience*)

Associate Professor Universiti Malaysia Pahang	2019 - Present
Director & Founder Glycobio International Sdn Bhd	2017 - Present
Director Industrial Centre of Excellence (ICoE) Biotechnology	2014 – Present
Head of Programme Industrial Biotechnology, Universiti Malaysia Pahang	2014 – 2017
Senior Lecturer Universiti Malaysia Pahang	2013 – Present
Lecturer Universiti Malaysia Pahang	2006 – 2013
Inviting Lecturer Kuliyah of Dentistry, International Islamic University Malaysia	2007 – 2008
Inviting Lecturer Kuliyah of Sciences, International Islamic University Malaysia	2007 – 2008
Research Officer Malacca Institute of Biotechnology	2006
Research Assistant Institute of Biosciences, Universiti Putra Malaysia	2005 – 2006

PENYELIDIKAN & PENERBITAN (*Research & Publication*)**Geran Penyelidikan** (*Research Grants*)

Tajuk Geran Penyelidikan (<i>Title</i>)	Tempoh Geran (<i>Grant Duration</i>)	Jumlah (RM) (<i>Total</i>)
Genetic Conservation, Morphological Characteristics And Phytochemical Properties Of Native Pogostemon Cablin Benth	20/09/17-19/09/19	25,200.00
Glycomics Study For The Development Of Targeted Antineoplastic Compounds From Seafood Waste	17/09/13- 18/06/16	55,852.00
Immobilization Of Potential Probiotics Of Lactic Acid Bacteria (Lab) Strains Isolated From Selected Fermented Products	01/04/18-31/03/20	33,650.00
Isolation, Purification, And Characterization Of Nad (P) H Nitrite Reductase Enzyme To Develop An Optical Membrane based Biosensor For Nitrite Ion Detection	25/10/14- 24/10/16	2,500.00
Isolation And Characterization Of Sulfated Glycosaminoglycans (Gags) With Anti-inflammatory Properties From Seafood Waste	01/07/14- 31/12/16	92,200.00
Development Of Selectively Targeted Anticancer Agent From Malaysian Seafood Waste	25/02/14- 24/02/17	5,500.00
Production Development Of Sulfated Glycosaminoglycans (Gags) With Anti-inflammatory Properties From Seafood Waste	25/08/15- 24/08/17	2,000.00
Screening, Identification And Characterization Of Glycosaminoglycan From Selected Medicinal Plants	25/08/15- 24/08/17	2,500.00
Glamequinn: Serum To Strengthen Hair And Prevent Hair Loss	16/11/16- 15/11/19	70,000.00
La Biotic	17/08/18	500,000.00
Dr. Fur	26/05/17	391,800.00
Screening, Identification And Characterization Of Potential Glycosaminolycans (Gags) From Selected Seafood	25/08/15- 24/08/17	2,000.00
Immobilization Of Potential Lactic Acid Bacteria (Lab) Isolated From Selected Fermented Food	01/03/17- 01/03/19	2,500.00
Study The Efficacy Of Lignocellulosic Enzymes Immobilization For Repeated Pretreatment And Hydrolysis Of Efb To Produce Bioethanol/Bio butanol	30/06/17- 29/06/19	26,500.00
Cytotoxic And Cholesterol lowering Properties Of The Secondary Metabolites From Zingiberaceae Species	01/10/15- 31/03/18	36,215.00
Essential Oil Production From Patchouli (Pogostemon) Cablin And Waste Recovery	04/01/07- 30/03/09	150,000.00

Optimization, Scale up And Characterization Of Sesquiterpene From Oil Palm Frond Juice	31/03/17- 30/09/17	35,000.00
Fabrication Of An Electrode Surface Based On Nanotube nanoparticle Hybrid Network For Hydrogen Peroxide Bio sensing	15/07/16- 15/04/17	28,800.00
Stochastic Logistic Model With Time Delay Of Solvent Production By <i>C. Acetobutylicum</i> P262	15/11/12- 14/11/14	46,000.00
Developing Agripreneurship Spirit And Skills Of Young Generation (Secondary School Students) With Aquaponics: A Portable Farming System With High Economic Potential And Zero Toxic Waste	15/02/14- 14/08/16	150,405.94
Fundamental Studies On The Medicinal Properties Of <i>Smilax Myosotiflora</i> (Ubi Jaga) Via Metabolomic And Transcriptomic Approaches	01/12/13- 30/11/15	90,000.00
Essential Oil Quality And Standards Based On Novel Marker Compounds Isolated And Identified For <i>Aqualaria Malaccensis</i>	31/12/06- 30/11/08	133,835.00
: The Study On The Performance And Compatibility Of Sago As Gel Polymer Electrolyte In Enzymatic Biofuel Cell	15/04/14- 16/04/17	29,500.00
Pyrazoline Derivatives Doped Dnactma Thin Films As Nano Structured Bioleds: Synthesis And Characterization	16/12/13- 15/12/15	213,960.00
Isolation Of Antistaphylococcal Bacteriophages For Skin Infection	30/06/17- 29/06/19	21,500.00
Enzyme In Venom Useful In Coagulating Milk To Curd For Food Industry	20/07/16- 19/07/18	39,200.00
Integration Of Enzymes And Nanomaterials: Construction Of Three Dimensional Hybrid Networks On Surfaces For Biosensors And Bioelectronics Applications	01/07/14- 31/12/16	117,000.00
An Investigation On The Immobilization And Response Of The Nitrate Reductase Enzyme Extracted From Edible Bird's Nest Towards Nitrate Hazards	01/12/14 - 30/11/17	
Elucidation of Novel OTULIN-Interacting Protein Using Yeast Two-Hybrid System	01/12/14 - 30/11/17	
Fundamental Studies on The Medicinal Properties of <i>Smilax Myosotiflora</i> (Ubi Jaga) Via Metabolic and Transcriptomic Approaches	01/10/13 - 30/09/15	
Development Of Glucose Biosensor Based On Nanomaterials enzyme Crosslinked Network	30/06/17- 29/06/19	27,500.00

Studies On The Production Of Bioethanol From Oil Palm Frond Juice As A Renewable And Sustainable Fermentation Substrate	01/04/14- 31/03/16	33,000.00
Stochastic Model Of Cancer Growth With The Effect Of Glycosaminoglycans (Gags) As Anticancer Therapeutics	01/12/13- 30/11/17	108,800.00
Development Of Chitosan Based Adsorbent For Removal Of Oil From Industrial Wastewater	30/03/07- 30/03/08	150,000.00

Patent Penyelidikan (Research Pattern)

Tajuk Paten (Title)	No. Pendaftaran (Registration No.)	Tarikh/Tahun Paten (Date/Year of patent)
METHOD FOR EXTRACTING GLYCOSAMINOGLYCANS FROM UNUTILISED INTERNAL FRACTIONS OF FISHES WITHOUT USING ENZYME	2014703363	12/11/2014
CLEOME GYNANDRA (JERUK MAMAN) AS PROBIOTIC SOURCE AND METHOD PREPARING THEREOF	2016002090	27/11/2016
ANTI AGING FACE MOISTURIZER CONTAINING EGGSHELL MEMBRANE (ESM) EXTRACTS	2017000230	15/02/2017

Anugerah Penyelidikan (Research Awards)

Tajuk Anugerah (Awards Title)	Tarikh/Tahun (Date/Year)	Penganjur Penganugerahan (Organizer)
Achievement Silver Medal Title: BacteNina: Advanced Probiotic Formula List of Inventors: Dr. Nina Suhaity Binti Azmi, Associate Professor Dr. Essam Abdellatif Makky Saleh, Siti Nasiroh Binti Ismail.	21/2/19- 23/2/19	MALAYSIA TECHNOLOGY EXPO (MTE2019)
Achievement: Gold Medal Title: BacteNina: Advanced Probiotic Formula List of Inventors: Dr. Nina Suhaity Binti Azmi, Associate Professor Dr. Essam Abdellatif Makky Saleh, Siti Nasiroh Binti Ismail.	07/02/18 – 08/02/18	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Silver Medal Title: De La Cascara: Antiaging Face Moisturizer List of Inventors:	07/03/16 – 08/03/16	CREATION, INNOVATION, TECHNOLOGY & RESEARCH

Nida Husna Binti Azhar, Dr. Nina Suhaity Binti Azmi.		EXPOSITION (CITREx)
Achievement: Silver Medal Title: La Biotic: A Premium Probiotic Powder for Multipurpose Application. List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Essam Abdellatif Makky Saleh, Siti Nasiroh Binti Ismail.	07/03/16 – 08/03/16	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Gold Medal Title: L-Asparaginase Optimization: New Source for Biosensor Applications List of Inventors: Dr. Nina Suhaity Binti Azmi, Associate Professor Dr. Essam Abdellatif Makky Saleh, Chia Vi Vien.	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Gold Medal & Best of the best award Title: Glamequinn Hair Serum: Stimulates Healthy Hair Growth And Prevent Hair Loss List of Inventors: Dr. Nina Suhaity Binti Azmi, Marina Binti Mohd Sham, Dr. Jaya Vejjayan A/L Palliah, Prof. Dr. Solachuddin Jauhari Arief Ichwan, Dr. Mariani Binti Abdul Hamid	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Silver Medal Title: Stochastic Model With Delay Effect To Cervical Cancer Growth List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Norhayati Binti Rosli, Mazma Syahidatul Ayuni Binti Mazlan, Noor Amalina Nisa Binti Ariffin	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Silver Medal Title: MOSKIN: Plant Based Edible Makeup (A Choice of Palatable Cosmetic) List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejjayan A/L Palliah, Che Nur Mazadillina Binti Che Zahari	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)
Achievement: Gold Medal Title: Glycojoint: Halal Pain Relievers for Exercise Injuries List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejjayan A/L Palliah, Nurul Haida Binti Idrus	09/03/15 – 10/03/15	Creation, Innovation, Technology & Research Exposition (CITREx)
Achievement: Silver Medal	04/12/15 – 06/12/15	The International Conference and

Title: Glycojoint: Halal Pain Relievers for Exercise Injuries and Age Related Cartilage Degenerations List of Inventors: Dr. Nina Suhaity Binti Azmi, Nurul Haida Binti Idrus, Dr Jaya Vajayan, Dr Mariani Abd Hamid, Dr Solachuddin Jauhari Arief Ichwan		Exposition on Inventions (Pecipta'15)
Achievement: Silver Medal Title: GLAMEQUINN: SERUM TO STRENGTHEN HAIR AND PREVENT HAIR LOSS List of Inventors: Dr. Nina Suhaity Binti Azmi	06/03/15 – 09/03/15	Seoul International Invention Fair (SIIF)
Achievement: Gold Medal Title: GLAMEQUINN: SERUM TO STRENGTHEN HAIR AND PREVENT HAIR LOSS List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan A/L Palliah, Marina Mohd Sham, Dr. Solachuddin Jauhari Arief Ichwan, Dr. Mariani Abdul Hamid.	06/03/15 – 09/03/15	International Invention and Innovation Exhibition (ITEX 2015)
Achievement: Gold Medal Title: A Gompertzian with Random Effects to Cervical Cancer Growth List of Inventors: Dr. Nina Suhaity Binti Azmi, Mazma Syahidatul Ayuni binti Mazlan, Norhayati binti Rosli, Tawfiqullah Ayoubi.	05/03/14 – 06/03/14	Creation, Innovation, Technology & Research Exposition (CITREx)
Achievement: Gold Medal Title: UMP Joint-Healer: Dietary Supplement For Joint Pain Sourced From Malaysian Seafood Waste. List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr Jaya Vejayan A/L Palliah, Professor Dr. Mashitah Mohd. Yusoff, Ravi Lokwani.	05/03/14 – 06/03/14	Creation, Innovation, Technology & Research Exposition (CITREx)
Achievement: Silver Awards Title: GAGs: Sugar From Seabass Waste for Healthy Bones List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan, Prof. Dr. Masitah Binti Mohd Yusoff, Ravi Lokwani, Nurul Haida Binti Idrus.	05/03/14 – 06/03/14	BioInnovation Awards 2014

Pengkomersialan (*commercialization*)

Huraian Produk (Description)	Client
DoctorFur - Fur Serum 1st production	ZASTECH PLT
Doctorfur- Fum serum 2nd production	ZASTECH PLT
Certificate of incorporation of private company SSM (Glycobio International Sdn. Bhd.)	Remark: This start up company was started in 2017 for commercialization of probiotic products under Superb Teraju fund.

Penerbitan (*Publication*)**Jurnal** (*Journal*)

Tajuk Jurnal (Journal Title)	Tarikh/ Tahun (Date/ Year)	Penerbit (Publisher)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Asian Journal of Pharmaceutical and Clinical Research A rapid Quantitative Dye-Binding Method of Screening Glycosaminoglycans Presence in Medicinal Plant	2019	Innovative Academic Science	International	Corresponding Author
Bioremediation Journal Impact of incubation period on biodegradation of petroleum hydrocarbons from refinery wastewater in Kuantan, Malaysia by indigenous bacteria	2018	Taylor & Francis	International	Co-Author
Journal of Nanoscience and Nanotechnology Carbonyl Functionalized Single-Walled Carbon Nanotube-Hb Crosslinked Network: A Novel Platform for Studying Bio-Electrochemistry and Electrocatalysis of Hemoglobin	2018	American Scientific Publisher	International	Co-Author
Sensors and Actuators B: Chemical A whole cell bio-optode based on immobilized nitrite-degrading microorganism on the acrylic microspheres for visual quantitation of nitrite ion	2018	Elsevier	International	Co-Author

MATEC Web of Conference Optimization parameters for <i>Mycobacteria</i> <i>confluentis</i> biodegradation of PAHs	2018	EDP Sciences	International	Co-Author
Journal of Physic: Conference Series Modelling the cancer growth process by Stochastic Differential Equations with the effect of Chondroitin Sulfate (CS) as anticancer therapeutics	2017	IOP Publishing	International	Co-Author
Journal of Nanoscience and Nanotechnology Superoxide Radical Biosensor Based on a 3D Enzyme/Carbon Nanotube Conductive Networks	2017	American Scientific Publishers	International	Co-Author
Asian Journal of Pharmaceutical and Clinical Research Between the Bioactive Extracts of Edible Mushrooms and Pharmacological Important Nanoparticles: Need for The Investigation of a Synergistic Combination - A mini Review	2017	Innovative Academic Sciences	International	Co-Author
Procedia Technology Fabrication of 3-dimensional Cross-linked redox enzyme/Nanomaterials	2017	Elsevier	International	Co-Author
Journal of Urban and Environmental Engineering Isolation and Characterization of a Molybdenum-Reducing and Azo-Dye Decolorizing <i>Serratia Marcescens</i> Strain Neni-1 Indonesia Soil	2016	Journal of Urban and Environmental Engineering	International	Co-Author
International Journal of Applied Chemistry Halal source of Medication: Glycosaminoglycans derived medicinal plant	2016	Research India Publication	International	Corresponding Author
The IIOAB Journal Waste to Wealth : Alternative Source of Glycosaminoglycans (GAGs) from Sea Food Waste	2016	The IIOAB Journal	International	Corresponding Author
Abstract of Applied Sciences and Engineering Integration of Horseradish Peroxide/Carbon Nanotube to Construct a Novel Platform for Direct Electrochemistry of Enzymes and Biosensing Applications	2016	Conscientia Beam	International	Co-Author
Jurnal Teknologi (Science and Engineering) Modelling The Cancer	2016	UTM Press	International	Co-Author

Growth Process By Stochastic Delay Differential Equations Under Verhulst and Gompertz's Law				
Journal of Chemical and Pharmaceutical Research Production and Optimization of L-asparaginase by E.Coli ATCC10536 from Food Waste	2015	Journal of Chemical and Pharmaceutical Research	International	Co-Author
Jurnal Sains Malaysiana Modelling The Cervical Cancer Growth Process by Stochastic Delay Differential Equations	2015	Sains Malaysiana	International	Co-Author
Journal of Biochemistry, Microbiology and Biotechnology Beyond anticoagulant : Heparin as a potential anti-cancer agent	2014	Hibiscus Publisher	International	Corresponding Author
Chemical Communication Monovalent maleimide functionalization of gold nanoparticles via copper-free click chemistry	2014	Royal Society of Chemistry	International	Co-Author
Journal of Environmental Bioremediation and Toxicology Glycosaminoglycans (GAGs) versus Cancer	2014	Hibiscus Publisher	International	Corresponding Author
Journal of Bioremediation Science & Technology Research Mini Review : Nitrite Reductase and Biosensor Development	2014	Hibiscus Publisher	International	Corresponding Author
Journal of Environmental Biology Isolation and Characterization of an Acrylamide-Degrading Bacillus cereus	2009	Triveni Enterprises	International	Co-Author

2.2.2 Prosiding (Proceeding)

Tajuk Prosiding (<i>Proceeding Title</i>)	Tarikh/Tahun (<i>Date/Year</i>)	Penerbit (<i>Publisher</i>)	*Peringkat (<i>Level</i>)	Penjelasan Peranan dan Sumbangan (<i>Description of role & contribution</i>)
Heparan Sulfate and Heparin Oligosaccharide as Versatile Molecules for Biological Approaches: Their Structural Heterogeneity and Diversities Challenges	June 2016	The 4th Current Drug Development International Conference (CDD 2016)	International	Oral Presenter

Waste to Wealth : Alternative Source of Glycosaminoglycans (GAGs) from Sea Food Waste	January 2017	4th International Conference on Chemical, Agricultural and Biological Sciences (CABS-2017)	International	Corresponding Author
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Penyuntingan *(Editorial)*

Tajuk Penyuntingan <i>(Editorial Title)</i>	Tarikh/Tahun <i>(Date/Year)</i>	Penerbit <i>(Publisher)</i>	*Peringkat <i>(Level)</i>	Penjelasan Peranan dan Sumbangan <i>(Description of role & contribution)</i>
Laporan Tahunan dan Penyata Kewangan (LTPK)	2018	UMP	Universiti	Dilantik sebagai Ahli Sidang Editorial bagi penyediaan buku Laporan Tahunan dan LTPK UMP untuk dibentangkan pada Mesyuarat Jemaah Menteri dan Parlimen Menyediakan manuskrip laporan mengandungi maklumat pengenalan, pencapaian dan kejayaan yang berimpak tinggi.
Laporan Tahunan dan Penyata Kewangan (LTPK)	2015	UMP	Universiti	Dilantik sebagai Ahli Sidang Editorial bagi penyediaan buku Laporan Tahunan dan LTPK UMP untuk dibentangkan pada Mesyuarat Jemaah Menteri dan Parlimen. Menyediakan manuskrip laporan mengandungi maklumat pengenalan, pencapaian dan kejayaan yang berimpak tinggi.

Karya Kreatif *(Creative Works)*

Tajuk Karya Kreatif (Title)	Tarikh/ Tahun (Date/ Year)	Penerbit (Publisher)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Research on Natural Products Can Generate Income for The Country	2012	UMP	Universiti	Author
Persidangan CIA: Biotech Beri Tumpuan Bidang Bioteknologi	2013	UMP	Universiti	Author

Laporan Teknikal (Technical Report)

Tajuk Laporan (Report Title)	Tarikh/ Tahun (Date/ Year)	Penerbit (Publisher)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Focus Group Discussion: Impact Study of National Biotechnology Policy (East Coast Region)	2021	Organized by MOSTI (Consultant : Ipsos Sdn Bhd)	Kebangsaan	As a participant for further insights and thoughts of representatives from industry players, agencies, associations and sector supporters for the impact review of the National Biotechnology Policy.
Perlantikan Ahli Jawatankuasa 'BSB Working Committee'	2014- 2015	FSTI	UMP	Role: MQA committee
Laporan Akhir : Kajian Keberkesanan Program ICoE (Impact Study)	2017	Kementerian Pendidikan Tinggi	Kebangsaan	Co-Author
Report For Scope of Consultancy Zastech/MTDC Training report (DoctorFur Serum)	2018	-	Kebangsaan	Author
Report For Scope of Consultancy Zastech/MTDC Product Reformulation (DoctorFur Serum)	2018	-	Kebangsaan	Author
Report For Scope of Consultancy Zastech/MTDC Product Description and Packaging (DoctorFur Serum)	2018	-	Kebangsaan	Author
Jawatankuasa Penubuhan Fakulti (FSTI)	2006-2 008	-	UMP	Committee member

Penerbitan (Others Publication)

Tajuk (Title)	Tarikh/ Tahun (Date/ Year)	Penerbit (Publisher)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Heparan Sulfate Surfaces to Probes the Functions of The Master Regulator of The Extracellular Space	2013	Pan Stanford Publishing Singapore	International	Role: Author
Media: TV1 Title: Pelebat Bulu Haiwan Peliharaan Ciptaan Penyelidik UMP	2018	Rtm	National	Role: Penyelidik
Media: Permata Title: Penyelidik UMP hasilkan serum halal pelebat bulu si manja	10/07/18	Media Permata	National	Role: Penyelidik
Media: VARSITI Title: Sumber Gula Glikosaminoglikan Daripada Sisa Ikan	18/08/16	Berita Harian	National	Role: Penyelidik
Media: TV1 Title: Kosmetik Keli	18/07/16	RTM	National	Role: Penyelidik
Media: The Organization of Asia Pacific New Agencies (OANA) Title: Malaysia's UMP Researcher Creates Dr.Fur Serum To Promote Hair Growth In Cats And Dogs	09/07/18	The Organization of Asia Pacific New Agencies (OANA)	International	Role: Penyelidik
Media: Berita Harian Title: BiotechCorp lancar inisiatif bangunan bioekonomi luar bandar Johor	25/08/14	Berita Harian	National	Role: Programme Organizer

PERUNDINGAN & KEPAKARAN (Consultation & Expertise)

Perundingan (Consultation)

Tajuk Projek (Project Title)	Tarikh/Tahun (Date/Year)	Penganjur (Organizer)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Fur Serum	12/09/18	ZASTECH PLT	National	Consultation on reformulation of fur serum product
Fur Serum 2	14/12/18	ZASTECH PLT	National	Consultation on technical part of fur serum production
Anti - Inflammatory Activity Test	31/07/18	SKIN DEWI	International	Consultation on technical part of Anti inflammatory experiment
Study on rejected samples of MIWA jelly drink due to colour changes	27/10/16	MIWA MANUFACTURING SDN.BHD.	National	Consultation on reject samples

Kepakaran (Expertise)

Khidmat Kepakaran/Profesional (Professional/Expertise Services)

Tajuk Khidmat Kepakaran/Profesional (Professional/expertise services Title)	Tarikh/Tahun (Date/Year)	Penganjur (Organizer)	*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
Senior Lecturer	2013	Universiti Malaysia Pahang	UMP	Teaching, research, consultancy, commercialization, management
Lecturer	2006	Universiti Malaysia Pahang	UMP	Teaching, research and administration
Reviewer for Journal Publication				
Title: Journal of Ecotoxicology and Environmental Safety	Jan 2017	ELESEVIER	International	Reviewer

Examiner				
Examiner for Postgraduate Research Proposal Evaluation - Yasmin Amirah Binti Che Yahaya	08/06/18	FSTI	UMP	Role: Examiner
Internal Examiner - Raid Duraid Thanoon	16/03/18 - 30/03/17	FSTI	UMP	Role: Examiner
Examiner For PRE-VIVA - Amani Mohammad Ahmad Hashabra	29/11/17	FSTI	UMP	Role: Examiner
Examiner for Postgraduate Research Proposal Evaluation - Samiul Alim	21/11/17	FSTI	UMP	Role: Examiner
Examiner for Postgraduate Research Proposal Evaluation - Md Fazlul Karim Khan	04/10/17	FSTI	UMP	Role: Examiner
Chairman for Postgraduate Research Proposal Evaluation - Mahmood Hasan Mahmood Al-Douri	26/07/18	FSTI	UMP	Role: Chairman
Thesis Evaluation - Aini Norhidayah Mohamed (PhD)	05/05/16	FSTI	UMP	Role: Examiner
Oral Examination (VIVA-VOCE) - Aini Norhidayah Mohamed (PhD)	02/08/16	FSTI	UMP	Role: Examiner
Oral examination (VIVA-VOCE)-Noor Afifah Binti Fauzi	06/06/19	FSTI	UMP	Role: Examiner
Jury/Panel				
Perlantikan Sebagai Panel Pusat Kecemerlangan Industri (ICoE) Bioteknologi	01/08/14 - 31/12/15	FSTI	UMP	Role: Panel
Pertandingan Three Minutes Thesis 2017	08/03/17	FSTI	UMP	Role: Ketua Panel Hakim
Program Biasiswa Bidang Sains Tulen (MYBRAINSC)	2014	KPT	National	Role: Interview Panel
Creation, Innovation, Technology & Research Exposition (Citrex 2019)	12/02/19 - 13/02/19	Universiti Malaysia Pahang	UMP	Role: Juri
Advanced Innovation & Engineering Exhibition (AiNEX 2017)	03/05/17	Universiti Malaysia Pahang	UMP	Role: Juri
International Festival Of Innovation On Green Technology (i-Finog) 2018	20/04/18 - 22/04/18	Universiti Malaysia Pahang	UMP	Role: Juri

3 rd International Biotechnology Competition And Exhibition (IBCEx 2017)	15/04/17	IBCEx	International	Role: Juri
Kolokium Citra Sarjana 2019	24/7/19	Pakad UMP	UMP	Role: Panel
Fellowship				
Centre For Southeast Asia Disaster Prevention Initiative (SEADPRI UKM)	01/08/17 - 30/11/17	Universiti Kebangsaan Malaysia	UMP	Role: Associate Fellow
Pusat Kecemerlangan Penyelidikan Bioaromatik	01/01/15 - 31/12/16	Bio Aromatic Research Centre	UMP	Role: Research Fellow
Advisor				
Program Broadening The Horizon , Student Mobility Program	06/02/17 - 11/02/17	FSTI	UMP	Role: Penasihat
"Life Science Fair Day For Reseachers"	26/07/16	FSTI	UMP	Role: Penasihat
Workshop For Industrial Biotechnology Programme	12/08/14 - 14/08/14	FSTI	UMP	Role: Penasihat
Explorasi Biodiversiti Royal Belum	14/05/15 - 17/05/15	FSTI	UMP	Role: Penasihat
Program Mentor Mentee Kem Sainstis Muda 2017	13/08/17 - 16/08/17	FSTI	UMP	Role: Mentor
Biotechnology Talk with Prof. Dave Fernig	09/12/2013	FSTI	UMP	Role: Penasihat
Speaker				
Entrepreneurship Talk: Funding For Commercialization - Speaker	17/11/17	FSTI	UMP	Role: Speaker
Title: Heparan Sulphate And Heparin Oligosaccharides As Versatile Molecules For Biological Approaches : Their Structural Heterogenity And Diversities Challenges	01/06/16 - 03/06/16	The 4th Current Drug Development International Conference (CDD 2016)	International	Role: Speaker
International Linkage				
Algen Biotechnology	15/02/16 - 14/10/16	ICoE Biotechnology	International	Role: Penasihat

Koza Pharmaceutical	15/02/16 - 14/10/16	ICoE Biotechnology	International	Role: Penasihat
National Centre For Genetic Engineering And Biotechnology, Thailand	15/02/16 - 29/02/16	ICoE Biotechnology	International	Role: Penasihat
Stempeutics Research Private Limited, India	15/02/16 - 22/04/16	ICoE Biotechnology	International	Role: Penasihat
Smart Institute Of Advance Biomedical Science, Konkuk University, Seoul	22/02/15 - 07/08/15	ICoE Biotechnology	International	Role: Penasihat

Keahlian Profesional (*Professional Membership*)

Nama Keahlian Profesional (<i>Professional Membership</i>)	Tarikh/Tahun (<i>Date/Year</i>)	Organisasi (<i>Organisation</i>)	*Peringkat (<i>Level</i>)	Penjelasan Peranan dan Sumbangan (<i>Description of role & contribution</i>)
Ordinary Member (Reg. No: A0216)	23/05/18 - current	Malaysian Biosafety And Biosecurity Association	National	Member
Ordinary Member (Reg. No: 01078370)	2013 - current	UK Biochemical Society Membership	International	Member

PENGIKTIRAFAN & KEPIMPINAN (*Recognition & Leadership*)

Pengiktirafan (*Recognition*)

Pengiktirafan Akademik (*Academic recognition*)

Nama Anugerah/Hadiah (<i>Awards Title</i>)	Tarikh/Tahun (<i>Date/Year</i>)	Penganjur (<i>Organizer</i>)	*Peringkat (<i>Level</i>)
Scholarships			
SLAB Scholarship for Ph.D Study at Liverpool University, Liverpool, UK	01/07/08-30/06/11	KPT	National
Exhibition			
Achievement: Gold Medal Title: BacteNina: Advanced Probiotic Formula List of Inventors:	07/02/18 – 08/02/18	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP

Dr. Nina Suhaity Binti Azmi, Associate Professor Dr. Essam Abdellatif Makky Saleh, Siti Nasiroh Binti Ismail.			
Achievement: Silver Medal Title: De La Cascara: Antiaging Face Moisturizer List of Inventors: Nida Husna Binti Azhar, Dr. Nina Suhaity Binti Azmi.	07/03/16 – 08/03/16	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP
Achievement: Silver Medal Title: La Biotic: A Premium Probiotic Powder for Multipurpose Application. List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Essam Abdellatif Makky Saleh, Siti Nasiroh Binti Ismail.	07/03/16 – 08/03/16	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP
Achievement: Gold Medal Title: L-Asparaginase Optimization: New Source for Biosensor Applications List of Inventors: Dr. Nina Suhaity Binti Azmi, Associate Professor Dr. Essam Abdellatif Makky Saleh, Chia Vi Vien.	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP
Achievement: Gold Medal Title: Glamequinn Hair Serum: Stimulates Healthy Hair Growth And Prevent Hair Loss List of Inventors: Dr. Nina Suhaity Binti Azmi, Marina Binti Mohd Sham, Dr. Jaya Vejayan A/L Palliah, Prof. Dr. Solachuddin Jauhari Arief Ichwan, Dr. Mariani Binti Abdul Hamid	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP
Achievement: Silver Medal Title: Stochastic Model With Delay Effect To Cervical Cancer Growth List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Norhayati Binti Rosli, Mazma Syahidatul Ayuni Binti Mazlan, Noor Amalina Nisa Binti Ariffin.	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH EXPOSITION (CITREx)	UMP
Achievement: Silver Medal Title: MOSKIN: Plant Based Edible Makeup (A Choice of Palatable Cosmetic)	09/03/15 – 10/03/15	CREATION, INNOVATION, TECHNOLOGY & RESEARCH	UMP

List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan A/L Palliah, Che Nur Mazadillina Binti Che Zahari		EXPOSITION (CITREx)	
Achievement: Gold Medal Title: Glycojoint: Halal Pain Relievers for Exercise Injuries List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan A/L Palliah, Nurul Haida Binti Idrus	09/03/15 – 10/03/15	Creation, Innovation, Technology & Research Exposition (CITREx)	UMP
Achievement: Silver Medal Title: Glycojoint: Halal Pain Relievers for Exercise Injuries and Age Related Cartilage Degenerations List of Inventors: Dr. Nina Suhaity Binti Azmi, Nurul Haida Binti Idrus, Dr Jaya Vajayan, Dr Mariani Abd Hamid, Dr Solachuddin Jauhari Arief Ichwan	04/03/15 – 06/03/15	The International Conference and Exposition on Inventions (Pecipta'15)	International
Achievement: Silver Medal Title: GLAMEQUINN: SERUM TO STRENGTHEN HAIR AND PREVENT HAIR LOSS List of Inventors: Dr. Nina Suhaity Binti Azmi	06/03/15 – 09/03/15	Seoul International Invention Fair (SIIF)	International
Achievement: Gold Medal Title: GLAMEQUINN: SERUM TO STRENGTHEN HAIR AND PREVENT HAIR LOSS List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan A/L Palliah, Marina Mohd Sham, Dr. Solachuddin Jauhari Arief Ichwan, Dr. Mariani Abdul Hamid.	06/03/15 – 09/03/15	International Invention and Innovation Exhibition (ITEX 2015)	International

Achievement: Gold Medal Title: A Gompertzian with Random Effects to Cervical Cancer Growth List of Inventors: Dr. Nina Suhaity Binti Azmi, Mazma Syahidatul Ayuni binti Mazlan, Norhayati binti Rosli, Tawfiqullah Ayoubi.	05/03/14 – 06/03/14	Creation, Innovation, Technology & Research Exposition (CITREx)	UMP
Achievement: Gold Medal Title: UMP Joint-Healer: Dietary Supplement For Joint Pain Sourced From Malaysian Seafood Waste. List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr Jaya Vejayan A/L Palliah, Professor Dr. Mashitah Mohd. Yusoff, Ravi Lokwani.	05/03/14 – 06/03/14	Creation, Innovation, Technology & Research Exposition (CITREx)	UMP
Achievement: Silver Awards Title: GAGs: Sugar From Seabass Waste for Healthy Bones List of Inventors: Dr. Nina Suhaity Binti Azmi, Dr. Jaya Vejayan, Prof. Dr. Masitah Binti Mohd Yusoff, Ravi Lokwani, Nurul Haida Binti Idrus.	05/03/14 – 06/03/14	BioInnovation Awards 2014	National
Award: Anugerah Cendekia Bitara (<i>Kategori Penerbitan Journal</i>) Title: Monovalent Meleimide Functionlizaation Of Gold Nanoparticles Via Copper Free-Click Chemistry	2014	Malam Cendekia Bitara, Universiti Malaysia Pahang	UMP
Award: Merit Award (<i>Research Product Category</i>) Title: GLAMEQUINN: Serum To Strengthen hair And Prevent Hair Loss	2015	Malam Cendekia Bitara, Universiti Malaysia Pahang	UMP
Award: Certificate Of Excellence (Biosensor And Bioinstrumentation Laboratory)	Semester 1 Session 2013/2014	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Award: Certificate Of Excellence (Biosensor Technology)	Semester 1 Session 2013/2014	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Award: Certificate Of Excellence (Biosensor And Bioinstrumentation)	Semester 1 Session 2013/2014	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP

Award: Certificate Of Excellence (Biochemistry Laboratory)	Semester 1 Session 2017/2018	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Award: Certificate Of Excellence (Industrial Biotechnology)	Semester 2 Session 2017/2018	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Biosensor And Bioinstrumentation Laboratory)	Semester 2 Session 2012/2013	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Biosensor And Bioinstrumentation)	Semester 2 Session 2012/2013	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 1 Session 2017/2018	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Current Topics In Industrial Biotechnology)	Semester 2 Session 2012/2013	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 1 Session 2015/2016	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 1 Session 2016/2017	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 1 Session 2014/2015	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 2 Session 2013/2014	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 2 Session 2016/2017	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Microbiology)	Semester 1 Session 2016/2017	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Certificate Of Excellence (Industrial Biotechnology)	Semester 2 Session 2014/2015	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP

Certificate Of Excellence (Industrial Microbiology)	Semester 2 Session 2015/2016	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
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Pengiktirafan Bukan Akademik (Non Academic recognition)

Nama Anugerah/Hadiah <i>(Awards Title)</i>	Tarikh/Tahun <i>(Date/Year)</i>	Penganjur <i>(Organizer)</i>	*Peringkat <i>(Level)</i>
Anugerah Perkhidmatan Cemerlang 2015	5 April 2016	Universiti Malaysia Pahang.	UMP
Anugerah Kecemerlangan Kebolehpasaran Graduan UMP 2016	2016	Pusat Pembangunan & Penempatan Kerjaya, Jabatan Jaringan Industri & Masyarakat, Universiti Malaysia Pahang.	UMP
Exceed Target(ET)/Melebihi Sasaran (Sasaran Kerja Tahunan Melebihi 85% tahun 2017)	2017	Fakulti Sains & Teknologi Industri, Universiti Malaysia Pahang.	UMP
Majlis Professor Negara (MPN) Industrial And Innovation Forum	27/04/15	ICOE	National
Perkhidmatan Cemerlang (Sumbangan Khidmat Bakti Cemerlang 2008)	2008	Universiti Malaysia Pahang.	UMP
Perkhidmatan Cemerlang (Sumbangan Khidmat Bakti Cemerlang 2015)	2015	Universiti Malaysia Pahang.	UMP

Kepimpinan (Leadership)

Pelantikan Kepimpinan Akademik (Academic Leadership Appointment)	Tempoh Lantikan (Duration of appointment)		Agensi Melantik (Appointing Authority)	*Peringkat (Level)
	Bulan/ Tahun Mula (Month/ Year Start)	Bulan/ Tahun Tamat (Month/ Year End)		
Examiner				
Examiner for Postgraduate Research Proposal Evaluation - Yasmin Amirah Binti Che Yahaya	08/06/18	08/06/18	FSTI	UMP
Internal Examiner - Raid Duraid Thanoon	16/03/18	30/03/18	FSTI	UMP
Examiner For PRE-VIVA - Amani Mohammad Ahmad Hashabra	29/11/17	29/11/17	FSTI	UMP

Examiner for Postgraduate Research Proposal Evaluation - Samiul Alim	21/11/17	21/11/17	FSTI	UMP
Examiner for Postgraduate Research Proposal Evaluation - Md Fazlul Karim Khan	04/10/17	04/10/17	FSTI	UMP
Oral Examination (VIVA-VOCE) - Siti Nur Syazni Binti Mohd Zuki	07/03/17	07/03/17	FSTI	UMP
Chairman for Postgraduate Research Proposal Evaluation - Mahmood Hasan Mahmood Al-Douri	26/07/18	26/07/18	FSTI	UMP
Thesis Evaluation - Aini Norhidayah Mohamed (PhD)	05/05/16	05/05/16	FSTI	UMP
Oral Examination (VIVA-VOCE) - Aini Norhidayah Mohamed (PhD)	02/08/16	02/08/16	FSTI	UMP
Jury/Panel				
Perlantikan Sebagai Panel Pusat Kecemerlangan Industri (ICoE) Bioteknologi - Panel	01/08/14	31/12/15	FSTI	UMP
Pertandingan Three Minutes Thesis 2017 - Ketua Panel Hakim	08/03/17	08/03/17	FSTI	UMP
Program Biasiswa Bidang Sains Tulen (MYBRAINSNC) - Interview Panel	2014	2014	Universiti Malaysia Pahang	UMP
Creation, Innovation, Technology & Research Exposition (Citrex 2019) - Jury	12/02/19	13/02/19	Universiti Malaysia Pahang	UMP
Advanced Innovation & Engineering Exhibition (AiNEX 2017)-Jury	03/05/17	03/05/17	Universiti Malaysia Pahang	UMP
International Festival Of Innovation On Green Technology (i-Finog) 2018-Jury	20/04/18	22/04/18	Universiti Malaysia Pahang	UMP
3 rd International Biotechnology Competition And Exhibition (IBCEx 2017)-Jury	15/04/17	15/04/17	IBCEx	International
Fellowship				
Centre For Southeast Asia Disaster Prevention Initiative (SEADPRI UKM) - Associate Fellow	01/08/17	30/11/17	Universiti Kebangsaan Malaysia	National
Pusat Kecemerlangan Penyelidikan Bioaromatik - Research Fellow	01/01/15	31/12/16	Bio Aromatic Research Centre	UMP
Advisor				

Program Broding The Horizon , Student Mobility Programme - Penasihat	06/02/17	11/02/17	FSTI	UMP
"Life Science Fair Day For Reseachers" - Penasihat	26/07/16	26/07/16	FSTI	UMP
Workshop For Industrial Biotechnology Programme - Penasihat	12/08/14	14/08/14	FSTI	UMP
Explorasi Biodiversiti Royal Belum - Penasihat	14/05/15	17/05/15	FSTI	UMP
Program Mentor Mentee Kem Sainstis Muda 2017 - Mentor	13/08/17	16/08/17	FSTI	UMP
Penasihat Kurikulum Bagi Program Diploma Bioteknologi, Program Pengajian Di Politeknik, Kementerian Pendidikan Tinggi	2018	2018	National	National
Biotechnology Talk with Prof. Dave Fernig	09/12/13	09/12/13	FSTI	UMP
Speaker				
Entrepreneurship Talk: Funding For Commercialization - Speaker	17/11/17	17/11/17	FSTI	UMP
Title: Heparan Sulphate And Heparin Oligosaccharides As Versatile Molecules For Biological Approaches : Their Structural Heterogenity And Diversities Challenges	01/06/16	03/06/16	The 4th Current Drug Development International Conference (CDD 2016)	International
International Linkage				
Algen Biotechnology	15/02/16 - 14/10/16	15/02/16- 14/10/16	ICoE Biotechnolo gy	International
Koza Pharmaceutical	15/02/16 - 14/10/16	15/02/16- 14/10/16	ICoE Biotechnolo gy	International
National Centre For Genetic Engineering And Biotechnology, Thailand	15/02/16 - 29/02/16	15/02/16- 29/02/16	ICoE Biotechnolo gy	International
Stempeutics Research Private Limited, India	15/02/16 - 22/04/16	15/02/16- 22/04/16	ICoE Biotechnolo gy	International
Smart Institute Of Advance Biomedical Science, Konkuk University, Seoul	22/02/15 - 07/08/15	22/02/15- 07/08/15	ICoE Biotechnolo gy	International

Keahlian Profesional				
Ordinary Member (Reg. No: A0216)	23/05/18 - current	Malaysian Biosafety And Biosecurity Association	National	Member
Ordinary Member (Reg. No: 01078370)	2013 - current	Biochemica l Society Membershi p	National	Member

KHIDMAT KEPADA UNIVERSITI (University Services)

Jawatan Giliran/Pentadbiran (Administration Appointment)

Nama Jawatan Giliran/Pentadbiran (Administration Appointment)	Tempoh Lantikan (Duration of appointment)		Penjelasan Peranan dan Sumbangan (Description of role & contribution)
	Bulan/ Tahun Mula (Month/ Year Start)	Bulan/ Tahun Tamat (Month/ Year End)	
Pengarah ICoE Bioteknologi	November 2014	2020	
Ketua Program Bioteknologi Industri	2014	2017	Facilitate all activities involve teaching and learning, curriculum, MQA, benchmarking, research, GE

Senarai Program ICoE Bioteknologi (List of ICoE Biotechnology Programmes)

BIL .	NAMA PROGRAM	TARIKH PELAKSANAAN	KATEGORI PROGRAM
1	Bio-LEED Program (AIMST Universiti)	11-12 September 2014 18-19 September 2014 25-26 September 2014 02-03 Oktober 2014 09-10 Oktober 2014 30-31 Oktober 2014 06-07 November 2014	Pembangunan Insaniah

2	Biotechnology Executive Special Training (UTM)	18 - 20 September 2014 25 - 27 September 2014 02 - 03 Oktober 2014	Pembangunan Insaniah
3	Technical & Industrial Visit	22 September 2014 24 November 2014	Pembangunan Insaniah
4	Biotechnology Executive Special Training (UMT)	31 Oktober 2014 07 - 08 November 2014 14 - 15 November 2014 22 November 2014 29 November 2014	Pembangunan Insaniah
5	Sharing Intelligent – Thailand	13-18 November 2014	Pembangunan Insaniah
6	Bio 101 (UMT)	14 November 2014	Pembangunan Insaniah
7	Bio Malaysia 2014	19-20 November 2014	Pembangunan Insaniah
8	Bio 101 (UTM)	23 November 2014	Pembangunan Insaniah
9	Bio 101 (UTHM)	05 Disember 2014	Pembangunan Insaniah
10	Bio 101 (UMS)	12 Disember 2014	Pembangunan Insaniah
11	Bio 101 (UPM)	15 Disember 2014	Pembangunan Insaniah
12	Bio 101 (Aimst Universiti)	02 Februari 2015	Pembangunan Insaniah
13	Latihan Industri (Seoul, Korea)	22 Februari 2015 - 07 Ogos 2015	Latihan Industri
14	Bio 101 (UniMas)	07-08 Mac 2015	Pembangunan Insaniah
15	Biotechnology Executive Special Training (UniMas)	14-15 Mac 2015	Pembangunan Insaniah
16	Boot Camp JBTDC	21 Mac 2015	Pembangunan Insaniah
17	Bio 101 (UMK)	21 Mac 2015	Pembangunan Insaniah
18	Biotechnology Executive Special Training (UMS)	21-22 Mac 2014 28-29 Mac 2014 04-05 April 2015	Pembangunan Insaniah
19	Bio 301 (UniMas)	25 Mac 2015 01 April 2015	Pembangunan Insaniah

20	Bio 201 (UMP)	28 Mac 2015	Pembangunan Insaniah
21	Biotechnology Executive Special Training Siri 1	28 -29 Mac 2015	Pembangunan Insaniah
22	Workshop Thesis Proofreading	04 April 2015	Latihan Tenaga Pengajar
23	Biotechnology Executive Special Training (UPM)	11-12 April 2015	Pembangunan Insaniah
24	Active Learning	21 April 2015	Latihan Tenaga Pengajar
25	Industry-Smart Graduate Talk	25 April 2015	Pembangunan Insaniah
26	Biotechnology Executive Special Training (AIMST Universiti)	12-15 Mei 2015	Pembangunan Insaniah
27	Program Belia Penanaman Hijau	23 Mei 2015	Pembangunan Insaniah
28	Animal Cell - TOT	25 - 26 Mei 2015	Latihan Tenaga Pengajar
29	cGMP - TOT	27 -28 Mei 2018	Latihan Tenaga Pengajar
30	How to get yourself employed & Biosafety	28 Mei 2015	Pembangunan Insaniah
31	SIP Tahun 2 & 3	05 Julai 2015 - 27 Ogos 2015	Program Latihan Berstruktur
32	Biorisk Management Workshop (AIMST Universiti)	22 - 23 Julai 2015	Latihan Tenaga Pengajar
33	Biorisk Management Workshop (UMK)	02-03 Julai 2015	Latihan Tenaga Pengajar
34	A-4 Day Courses on Bioprocess Engineering and Biofactories	09-12 Ogos 2015	Latihan Tenaga Pengajar
35	Real-Time PCR Workshop 2015	11-13 Ogos 2015	Latihan Tenaga Pengajar
36	Jurutera Dandang (Boilerman)	15-17 Ogos 2015	Program Latihan Berstruktur
37	BioMalaysia 2015	17-19 Ogos 2015	Pembangunan Insaniah
38	Fermentation Workshop	25-27 Ogos 2015	Latihan Tenaga Pengajar

39	ToT Johor Bio-Talent Bengkel Spokes Bersama Industri	02 September 2015	Latihan Tenaga Pengajar
40	GEAR Programme	05-06 September 2015 12-13 September 2015	Pembangunan Insaniah
41	Bio-LEED Program (AIMST Universiti)	10 September - 17 Disember 2015	Pembangunan Insaniah
42	BeST Programme Siri 2	19-20 September 2015	Pembangunan Insaniah
43	Studio 1310	03-04 Oktober 2015	Pembangunan Insaniah
44	International Workshop on Electrospinning : Research, Management & Commercialization	06-07 Oktober 2015	Pembangunan Insaniah
45	BIO 101 (IIUM Kuantan)	09 Oktober 2015	Pembangunan Insaniah
46	Empowerment Camp	24 Oktober 2015	Pembangunan Insaniah
47	Food Defense & Halal Programme	31 Oktober 2015	Program Latihan Berstruktur
48	HPLC : Operation, Maintenance & Operation	22 Oktober 2015 & 04 November 2015	Program Latihan Berstruktur
49	NMR Workshop	02-03 November 2015	Latihan Tenaga Pengajar
50	Biorisk Management Workshop (UniMAP)	04-05 November 2016	Latihan Tenaga Pengajar
51	BeST Programme (UMP)	13-15 November 2015 27-29 November 2015	Pembangunan Insaniah
52	BeST Programme (Politeknik Nilai)	16-23 November 2015	Pembangunan Insaniah
53	Purple Fiesta	12-13 Disember 2015	Pembangunan Insaniah
54	International Seminar on Bioprocessing Engineering Course	26-29 Januari 2016	Latihan Tenaga Pengajar
55	Pre-Requisite for Food Industry	02 Februari 2016	Program Latihan Berstruktur
56	Thesis Proofreading Workshop Siri 2	2-3 Februari 2016	Latihan Tenaga Pengajar
57	Latihan Industri (India)	15 Februari - 22 April 2016	Latihan Industri

58	Latihan Industri (Thailand)	15 Februari - 29 Julai 2019	Latihan Industri
59	Latihan Industri Turkey (Tukar ke Malaysia)	Februari - Ogos 2015	Latihan Industri
60	Latihan Industri	Februari - Julai 2015	Latihan Industri
61	Multidisciplinary to Research on Palm oil	16 Mac 2015	Pembangunan Insaniah
62	Logistic and Shipping and Supply Chain Management	19-22 Mac 2016	Program Latihan Berstruktur
63	Biolerman Certification Training Program Siri 2	24-26 Mac 2016	Program Latihan Berstruktur
64	Bio 101 (UMS)	25 Mac 2016	Pembangunan Insaniah
65	BeST Programme (UMS)	2-3 April 2016 9-10 April 2016	Pembangunan Insaniah
66	Pre-Requisite for Food Industry (Skills)	09 April 2016	Program Latihan Berstruktur
67	International Festival Innovation on Green Technology	13-17 April 2016	Program Latihan Berstruktur
68	How to get yourself employed	17 April 2016	Program Latihan Berstruktur
69	Employability Fair 1- Separa Mahir	21-25 April 2016	Program Latihan Berstruktur
70	Graduate Employability Programme	21-25 April 2016	Program Latihan Berstruktur
71	Bio Care	30 April - 01 Mei 2016	Program Latihan Berstruktur
72	Studio 1310	16 November 2016	Program Latihan Berstruktur
73	Leader in Biotechnology Letter of Intent (LOI) : Graduate Employability Program : -SeliaTek Industries Sdn. Bhd. -Free the Seed Sdn. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	Pembangunan Insaniah Kos yang diluluskan : RM 467,500.00

	-Aquapak Sdn. Bhd.		
74	Life Science Industry Training Programme Letter of Intent (LOI) : Graduate Employability Program : -CCM Pharmaceuticals Division (Inivax Sdn. Bhd.) -Biocon Sd. Bhd. -Kotra Pharma (M) Sd. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	Pembangunan Insaniah Kos yang diluluskan : RM 245, 000.00
75	SIEMENS Process Control in Biotechnology Level 1 Letter of Intent (LOI) : Graduate Employability Program : -Petrodirect Sdn. Bhd. -Petrofill Technologies Sdn. Bhd. -Star Kriss Services Sdn. Bhd. -Straits Oil Tools Sdn. Bhd. -WHS Global Engineering Sdn. Bhd. -MIE Offshore Solutions Sdn. Bhd. -Ideal Jupiter Sdn. Bhd. -Transwater API Sdn. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	Pembangunan Insaniah Kos yang diluluskan : RM 450, 000.00

Keahlian Jawatankuasa (Committee membership)

Nama Jawatankuasa (Committee Membership)	Tempoh Lantikan (Duration of appointment)		*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
	Bulan/ Tahun Mula (Month/ Year Start)	Bulan/ Tahun Tamat (Month/ Year End)		
Persatuan Staf Akademik Universiti Malaysia Pahang (PAKAD)	06/02/18	05/02/20	UMP	Role: Mentor

Jaringan Industri & Masyarakat (JK JIM), Jabatan Jaringan Industri & Masyarakat (JJIM)	-	-	UMP	Role: Member
'BSB Working Committee' Fakulti Sains & Teknologi Industri Sesi 2014-2015	2014	2015	UMP	Role: Member
Jawatankuasa Biokeselamatan Institusi, UMP	18/12/15	17/12/17	UMP	Role: Member
Open Courseware (OCW)	2015	2015	UMP	Role: Leader
Program Biotechnology Industri			UMP	Role: Leader
ICoE Bioteknologi	Nov 2014	current	UMP	Role: Pengarah
Mersyuarat Ahli Lembaga Pengajian (BOS) Dan Panel Penasihat Industri (IAP) Bagi Program Pengajian Siswazah Fakulti Sains & Teknologi Industri	31/03/17	01/04/17	UMP	Role: Participant
Persidangan Tahunan Pusat Kecemerlangan Industri-industri Centre Of Excellence (ICOE) 2014 Dan Majlis Pelancaran Kluster Perkhidmatan Kewangan	06/11/14	06/11/14	National	Role: Participant
Bengkel Penetapan KPI- Akademik, Pentadbiran, Teknikal 2015	29/05/15	30/05/15	UMP	Role: Participant
Jalinan Kerjasama Penyelidikan Dan Akademik Antara Universiti Malaysia Pahang(UMP) Dengan Prince Of Songla University(PSU)	26/10/16	28/10/16	UMP	Role: Participant
Workshop: Tips On How To Get High Impact Publication & Increase Citation	17/07/17	17/07/17	UMP	Role: Participant
UMP Team Excellence 2018	30/11/18	02/12/18	UMP	Role: Participant
Initiative Global Classroom for subject Industrial Biotechnology	-	-	UMP	Role: Participant
Thesis Proofreading Workshop 2.0	03/02/16	03/02/16	UMP	Role: Participant
Academy Of Sciences Malaysia Training Workshop on "How to Write a Winning Research Proposal?"	27/08/14	29/08/14	UMP	Role: Participant
Menghadiri Sesi Latihan Dan 'pitching' Program Skim Usahawan Permulaan (Superb) Siri Kedua 2017	12/08/17	17/08/17	National	Role: Participant

Pengeluaran Azolla Sebagai Bahan Mentah Makanan Ternak Nutrien Tinggi Untuk Komuniti Veterina	13/02/18	13/02/18	UMP	Role: Participant
Menghadiri Sesi Akhir Program Skim Usahawan Permulaan Bumiputera (Superb) Siri Kedua 2017	25/08/17	26/08/17	National	Role: Participant
Kursus 'Innovative Creation Of Herbal Products'	17/07/17	21/07/17	International	Role: Participant
Bioeconomy Innovation Awards 2016	2016	2016	National	Role: Participant
Mesyuarat Penasihat Kurikulum Bagi Program Diploma Bioteknologi, Program Pengajian Di Politeknik, Kementerian Pendidikan Tinggi	26/04/18	26/04/18	National	Role: Participant
Pameran Malaysia Technology Expo (MTE 2019)	21/02/19	23/02/19	National	Role: Participant

KHIDMAT KEPADA MASYARAKAT (Community Services)

Khidmat Masyarakat (Community Services)

Khidmat Masyarakat (Community Services)	Tempoh (Duration)		*Peringkat (Level)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
	Bulan/ Tahun Mula (Month/ Year Start)	Bulan/ Tahun Tamat (Month/ Year End)		
Sumbangan Aidilfitri Dan Gotong Royong Di Rumah Kebajikan Orang Tua Sri Permai Kuantan	29/06/16	29/06/17	UMP	Role: Leader
Gotong-royong Penyediaan Juadah Berbuka Puasa Untuk Golongan Memerlukan	03/06/17	03/06/17	UMP	Role: Participant
Cecantik Fitness	14/03/18	14/03/18	UMP	Role: Organizer
Scientist Warrior Camp 1.0	19/03/18	19/03/18	UMP	Role: Organizer
Talk Show Siri 1 : Pemakanan sihat	22/03/18	22/03/18	UMP	Role: Moderator
Talk Show Siri 2 : Label Nutrisi Bagaimana Nak Baca?	05/04/18	05/04/18	UMP	Role: Moderator
Talk Show Siri 3 : Makan Sihat Usus Ceria	19/04/18	19/04/18	UMP	Role: Moderator
Talk Show Siri 4 : Probiotic Penting Ke ?	03/05/18	03/05/18	UMP	Role: Moderator

Academia Industry Focus Group Discussion	09/07/15	09/07/15	National	Role: Organizer
Multidisciplinary approach to research on palm oil by academician by Tan Sri Emeritus Prof Datuk Dr Augustine S.H. Ong.	16/03/16	16/03/16	National	Role: Organizer
Purple Fiesta @ Bio-XCell Malaysia 2015	12/12/15	13/12/15	National	Role: Organizer

Senarai Program ICoE

Bio-LEED Program (AIMST Universiti)	11-12 September 2014 18-19 September 2014 25-26 September 2014 02-03 Oktober 2014 09-10 Oktober 2014 30-31 Oktober 2014 06-07 November 2014	National	
Biotechnology Executive Special Training (UTM)	18 - 20 September 2014 25 - 27 September 2014 02 - 03 Oktober 2014	National	
Technical & Industrial Visit	22 September 2014 24 November 2014	National	
Biotechnology Executive Special Training (UMT)	31 Oktober 2014 07 - 08 November 2014 14 - 15 November 2014 22 November 2014 29 November 2014	National	
Sharing Intelligent – Thailand	13-18 November 2014	National	
Bio 101 (UMT)	14 November 2014	National	
Bio Malaysia 2014	19-20 November 2014	National	
Bio 101 (UTM)	23 November 2014	National	

Bio 101 (UTHM)	05 Disember 2014	National	
Bio 101 (UMS)	12 Disember 2014	National	
Bio 101 (UPM)	15 Disember 2014	National	
Bio 101 (Aimst Universiti)	02 Februari 2015	National	
Latihan Industri (Seoul, Korea)	22 Februari 2015 - 07 Ogos 2015	National	
Bio 101 (UniMas)	07-08 Mac 2015	National	
Biotechnology Executive Special Training (UniMas)	14-15 Mac 2015	National	
Boot Camp JBTDC	21 Mac 2015	National	
Bio 101 (UMK)	21 Mac 2015	National	
Biotechnology Executive Special Training (UMS)	21-22 Mac 2014 28-29 Mac 2014 04-05 April 2015	National	
Bio 301 (UniMas)	25 Mac 2015 01 April 2015	National	
Bio 201 (UMP)	28 Mac 2015	National	
Biotechnology Executive Special Training Siri 1	28 -29 Mac 2015	National	
Workshop Thesis Proofreading	04 April 2015	National	
Biotechnology Executive Special Training (UPM)	11-12 April 2015	National	
Active Learning	21 April 2015	National	
Industry-Smart Graduate Talk	25 April 2015	National	
Biotechnology Executive Special Training (AIMST Universiti)	12-15 Mei 2015	National	
Program Belia Penanaman Hijau	23 Mei 2015	National	
Animal Cell - TOT	25 - 26 Mei 2015	National	

cGMP - TOT	27 -28 Mei 2018	National	
How to get yourself employed & Biosafety	28 Mei 2015	National	
SIP Tahun 2 & 3	05 Julai 2015 - 27 Ogos 2015	National	
Biorisk Management Workshop (AIMST Universiti)	22 - 23 Julai 2015	National	
Biorisk Management Workshop (UMK)	02-03 Julai 2015	National	
A-4 Day Courses on Bioprocess Engineering and Biofactories	09-12 Ogos 2015	National	
Real-Time PCR Workshop 2015	11-13 Ogos 2015	National	
Jurutera Dandang (Boilerman)	15-17 Ogos 2015	National	
BioMalaysia 2015	17-19 Ogos 2015	National	
Fermentation Workshop	25-27 Ogos 2015	National	
ToT Johor Bio-Talent Bengkel Spokes Bersama Industri	02 September 2015	National	
GEAR Programme	05-06 September 2015 12-13 September 2015	National	
Bio-LEED Program (AIMST Universiti)	10 September - 17 Disember 2015	National	
BeST Programme Siri 2	19-20 September 2015	National	
Studio 1310	03-04 Oktober 2015	National	
International Workshop on Electrospinning : Research, Management & Commercialization	06-07 Oktober 2015	National	
BIO 101 (IIUM Kuantan)	09 Oktober 2015	National	

Empowerment Camp	24 Oktober 2015	National	
Food Defense & Halal Programme	31 Oktober 2015	National	
HPLC : Operation, Maintenance & Operation	22 Oktober 2015 & 04 November 2015	National	
NMR Workshop	02-03 November 2015	National	
Biorisk Management Workshop (UniMAP)	04-05 November 2016	National	
BeST Programme (UMP)	13-15 November 2015 27-29 November 2015	National	
BeST Programme (Politeknik Nilai)	16-23 November 2015	National	
Purple Fiesta	12-13 Disember 2015	National	
International Seminar on Bioprocessing Engineering Course	26-29 Januari 2016	National	
Pre-Requisite for Food Industry	02 Februari 2016	National	
Thesis Proofreading Workshop Siri 2	2-3 Februari 2016	National	
Latihan Industri (India)	15 Februari - 22 April 2016	National	
Latihan Industri (Thailand)	15 Februari - 29 Julai 2019	National	
Latihan Industri Turkey (Tukar ke Malaysia)	Februari - Ogos 2015	National	
Latihan Industri	Februari - Julai 2015	National	
Multidisciplinary to Research on Palm oil	16 Mac 2015	National	
Logistic and Shipping and Supply Chain Management	19-22 Mac 2016	National	
Biolerman Certification Training Program Siri 2	24-26 Mac 2016	National	
Bio 101 (UMS)	25 Mac 2016	National	

BeST Programme (UMS)	2-3 April 2016 9-10 April 2016	National	
Pre-Requisite for Food Industry (Skills)	09 April 2016	National	
International Festival Innovation on Green Technology	13-17 April 2016	National	
How to get yourself employed	17 April 2016	National	
Employability Fair 1- Separa Mahir	21-25 April 2016	National	
Graduate Employability Programme	21-25 April 2016	National	
Bio Care	30 April - 01 Mei 2016	National	
Studio 1310	16 November 2016	National	
Leader in Biotechnology Letter of Intent (LOI) : Graduate Employability Program : -SeliaTek Industries Sdn. Bhd. -Free the Seed Sdn. Bhd. -Aquapak Sdn. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	National	
Life Science Industry Training Programme Letter of Intent (LOI) : Graduate Employability Program : -CCM Pharmaceuticals Division (Inivax Sdn. Bhd.) -Biocon Sd. Bhd. -Kotra Pharma (M) Sd. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	National	
SIEMENS Process Control in Biotechnology Level 1 Letter of Intent (LOI) : Graduate Employability Program : -Petrodirect Sdn. Bhd.	To be assigned (Upon Approval from KPT on February 2019)	National	

-Petrofill Technologies Sdn. Bhd. -Star Kriss Services Sdn. Bhd. -Straits Oil Tools Sdn. Bhd. -WHS Global Engineering Sdn. Bhd. -MIE Offshore Solutions Sdn. Bhd. -Ideal Jupiter Sdn. Bhd. -Transwater API Sdn. Bhd.			
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