

CURRICULUM VITAE



SITI ZULAIHA BINTI HANAPI

Research Officer

Institute of Bioproduct Development, IBD, UTM

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ADDRESS (Office)

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Development (IBD)
Universiti Teknologi Malaysia (UTM)
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Date of Birth : Jun 16, 1978
Place of Birth : Johor Bahru
Nationality: Malaysian
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<http://scholar.google.com.my/citations?user=LsoP9kkAAAAJ&hl=en>

A. AREA OF EXPERTISE

Microbiology
Food Technology
Sustainable Agriculture
Soil Analysis

B. ACADEMIC QUALIFICATIONS

Sept 2013- recent

Phd Candidate

Universiti Teknologi Malaysia

Title by Research: Efficient Lignin Degrading Enzymes Producing Using White Rot Fungus: Bioprocessing and Morphological Approach

Sept 2006

Master of Science (Food Microbiology and Safety)

Universiti Putra Malaysia

Thesis by Research: *Effect of grilling of beef and chicken satay on the survival of Listeria monocytogenes*

Aug 1999

Bachelor of Science (Food Science)

Major: Food Quality Control

Universiti Putra Malaysia

Thesis by Course: Food Industrialization in Malaysia

Jun 1996

Science Matriculation

Universiti Malaysia Terengganu (UMT)

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Dec 1995

Sijil Pelajaran Malaysia

Sek. Men. Sultan Abdul Jalil, Kluang Johor

C. PROFESSIONAL AFFILIATIONS

- A. SAMM ISO/IEC 17025 Approved Signatory (Microbiology), 2009 - current
- B. Members of Malaysian of Microbiology Society (MSM), 2016 - 2017
- C. UTM Biosafety Committee (IBC), 2013 - 2017
- D. IBD OSHE Committee, 2016-2018
- E. Graduate Technologist (Malaysian Board of Engineering, MBOT) Since Dec 2017
- F. American Institute of Chemist Engineer (AiChE) – Member 2016-2017

D. AWARD & RECOGNITION ACHIEVEMENTS

- a) BNP Excellence Award for Bioindustrial 2017
- b) Gold - Bio Inno Awards 2013
PI project for Invention of *3 in 1 Biochemical Pellet Fertilizers*
Bio Malaysia 2013, KLCC Convention Centre, 21-22 Nov 2013
- c) Silver – Bio Inno Awards 2012
PI Project for Invention of *Active Grow Multifunctional Biofertilizer*
Bio Malaysia 2012, KLCC Convention Centre, 5-7 Nov 2012
- d) Bronze – INATEX 2012
PI Project for Invention of *3 in 1 Pellet Fertilizers*
14th Industrial Art and Technology Exhibition (INATEX) 2012, DSI UTM, 3-5 Oct 2012
- e) Anugerah Kecemerlangan Prestasi tahunan 2011
Institute of Bioproduct Development, UTM, 25th May 2012
- f) Intellectual Properties (IP)
Title of Inventions: *Bio-Organic Fertilizer for Plant and Soil*
IP No: PI 2011700002
Filing Date: 19 Jan 2011
- g) UTM Citra Karisma: Outstanding Performance Staff 2010
Sultan Iskandar Hall, 4th July 2011
- h) Bronze – INATEX 2010
PI Project for Invention of *Development of Biofertilizer for Fruits, Flower, Leaves and Trunks*
12th Industrial Art and Technology Exhibition (INATEX) 2012, DSI UTM, 3-5 Oct 2012

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E. PROFESSIONAL EXPERIENCE

- a) 2018 – Current
Research Officer, Institute of Bioproduct Development (IBD), UTM
Corporate Service and Linkages

- b) 2009 – 2013
Research Officer, Institute of Bioproduct Development (IBD), UTM
Head of Biofertilizer & Biocontrol

- c) 2009 - current
Technical Manager (Microbiology) SAMM ISO/IEC 17025
IBD Laboratory Services

- d) April 2011 – Dec 2012
Quality Manager
IBD Laboratory Services

- e) 1st April 2010 – Mar 2011
Deputy Quality Manager & Deputy Technical Manager
IBD Laboratory Services

- f) Sept 2006 – Dis 2008
Senior Microbiologist, Allied Chemist Laboratory Sdn Bhd (ACL)

- g) Mar 2003 – Sept 2006
Microbiologist cum Food Technologist

- F. Dis 2000 – Mar 2003
Graduate Research Assistant (GRA), Universiti Putra Malaysia

- G. Mar 1999- Dis 2000
Tutor (Mathematic)
Chermai Matriculation College, Bahau, Negeri Sembilan

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H. CONSULTATION / CONTRACT RESEARCH PROJECTS

Name of Project	Details of Projects	Fund Allocation (RM)
1. Investigation chemical composition of bioactivities of non-fermented and fermented soybean peptides Collaboration with Master Natural Herbs (M) Sdn Bhd	Grant No:4C184 Date Start: 1/4/18 Date End: 31/3/19	53,265.00
2. Isolation, Identification and growth Kinetic studies of effective microbial consortium for waste water treatment Member Collaboration with Indah Water Konsortium (IWK)	Grant No: R.J130000.7309.4B085 Date Start : 01/09/2012 Date End: 30/08/2014	176,000.00
2. Flagship Project: <i>Biofortification of Food Crops for Enhanced food Security</i>	Grant No: J130000.244.00G65 Date Start : 1.4.2013 Date End : 31.9 2014	400,000.00
3. Organic Fertilizer and Plant Growth Study	Grant No: J130000.7309.4B099 Date Start : 07/02/2013 Date End : 31/03/2014	52,269.00
4. Study on the effects of High N-fixing 3-in-1 Bio-organic fertilizer on crop yield, soil structure and biodiversity	Collaboration with All Cosmos Industries Sdn Bhd Plo 442 Jalan Suasa Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor Date Start : 3.4.2011 Date End: 31 Sept 2011	4,420.00
5. Research and Development For Biofertilizer By Using Effective Microorganisms	Tekno Integrated Farm Sdn bhd Kg Permatang Duku Laut 82200 Benut Pontian, Johor Darul Takzim Date Start : 1 .12.2010 Date End : 1.12.2011	9,853.00
6. R&D Collaboration in vermicast product formulation	Halex Industries (M) Sdn Bhd 9 Jalan Taruka Tampoi Industrial Estate Date Start : 17.02.2010 Date End: 2.11.2011	21,000.00

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I. PUBLICATION

Bil.	Tajuk Artikel, Kertas Kerja, Ceramah dll	Anjuran/Penerbit	Tahun/Tarikh
	<u>Paper with IF:</u>		
1.	Isolation of a New Efficient Dye Decolorizing White Rot Fungus <i>Cerrena</i> Sp. WICC F39 <i>S Z Hanapi, S A Abdelgalil, R Hatti-Kaul, R Aziz and H A El Enshasy.</i>	Journal of Scientific & Industrial Research Vol. 77, July 2018, pp. 644-653	July 2018
2.	A new chitinase-producer strain <i>Streptomyces glauciniger</i> WICC-A03: isolation and identification as a biocontrol agent for plants phytopathogenic fungi. <i>Hassan Mohamed Awad, Hesham Ali El-Enshasy, Siti Zulaiha Hanapi, EMan Ramadan Hamed, Bustanor Rosidi.</i>	Natural Product Research IF: 1.225 http://dx.doi.org/10.1080/14786419.2014.939083	5 Aug 2014
	Germination, seedling growth, amylase and protease Activities in Malaysian upland rice seed under Microbial Inoculation condition. <i>Abd Rahman Jabir Mohd Din, Siti Zulaiha binti Hanapi, Nurhaziqah Supari, Siti Atiqah Zainul Alam, Muhammad Arshad Javed, Lee Chew Tin, Mohamad Roji Sarmidi.</i>	Journal of Pure and Applied Research IF: 0.073 Vol 8(4): 2627-2635	6 Jul 2014

Bil.	Tajuk Artikel, Kertas Kerja, Ceramah dll	Anjuran/Penerbit	Tahun/Tarikh
	<u>Indexed Paper</u>		
1.	Potential of different vermicast formulations towards Chemical composition and microbial functional diversity As biofertilizer <i>Siti Zulaiha Hanapi, Hassan M. Awad, Mohamad Roji Sarmidi, Ramlan Aziz.</i>	Chemical Science Transaction (Innospace-SJIF) DOI:10.7598/cst2013.429	6 Jul 2014
2.	Agriculture wastes conversion from biofertilizer production Using beneficial microorganisms for Sustainable agriculture applications <i>Siti Zulaiha binti Hanapi, Hassan M. Awad, Sheikh Imranuddin Sheikh Ali, Siti Hajar Mat Sarip, Mohamad Roji Sarmid, Ramlan Aziz</i>	Malaysian Journal of Microbiology (Scopus) Vol 9(1): 60-67	12 Nov 2012
3.	Effect of ferrous toxicity on seedling traits and ion distribution pattern in upland and lowland rice under hydroponic condition <i>Nusrat Jahan, Norshila Fauzi, Mukammad Arshad Javed, Samiullah Khan, Siti Zulaiha Hanapi</i>	Jurnal Teknologi (Science and Engineering) 78:1-2(2015): 39-43 eISSN 2180-3722 Scopus Indexed	2015

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Bil.	Tajuk Artikel, Kertas Kerja, Ceramah dll	Anjuran/Penerbit	Tahun/Tarikh
Book Chapters			
1.	<p>Biofertilizer: Ingredients for Sustainable Agriculture. 2012. in Eds. Biotechnology Development in Agriculture, Industry and Health : Current Industrial Application & Future trends Vol 1 (359-392). Malaysia Hanapi, S. Z., Awad, H. M., Sarmidi, M.R., Aziz, R. (2012).. In Zakaria, Z. Z., Ahmad, W. A., Zakaria, Z. (Eds.),</p>	UTM Press.	2012
2.	<p>Animal Feed. 2012. In Eds. Biotechnology Development in Agriculture, Industry and Health : Current Industrial Application & Future trends Vol 1 (421 - 443). Malaysia Hanapi, S. Z., Awad, H. M., Mat Sarip, S. H., Aziz, R., Sarmidi, M. R., Sheikh Ali, S. I. (2012).. In Zakaria, Z. Z., Ahmad, W. A., Zakaria, Z. (Eds.),</p>	UTM Press.	2012
3.	<p>The Edible Mushroom Pleurotus spp.: II. Medicinal Values Helmi Johari Masri, Parisa Maftoun, Roslinda Abd Malek1, Ali Zineddine Boumehira, Avnish Pareek, Siti Zulaiha Hanapi, Ong Mei Ling and Hesham El Enshasy</p>	International Journal of Biotechnology for Wellness Industries, 2017, 6, 1-11	2017

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Bil.	Tajuk Artikel, Kertas Kerja, Ceramah dll	Anjuran/Penerbit	Tahun/Tarikh
	<u>Proceeding/ Oral Presenter</u>		
1.	Siti Zulaiha Hanapi, Rajni Hatti-Kaul, Ramlan Aziz and Hesham El-Enshasy. 'Reactive Black 5 Dye Bio-decolourization by Native White rot fungus'. in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani and Zainul Akmar Zakaria.	Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). pg. 98-100. eISBN 978-983-99322-3-2.	2016
2.	Lee Wah Hock, Siti Zulaiha Hanapi, Noorhamizah Suhaimi, Solleh Ramli, Zaheda Mohamad Azam, Abd Rahman Jabir Mohd Din, Roslinda Abd Malek, Nor Zalina Othman, Enoc Y. Park, Mohamad Roji Sarmidi, Hesham El-Enshasy. 'Recycled Paper as a Feed Stock for Submerged Cultivation of <i>Trichoderma</i> sp. for Agricultural Application: Plant Growth Promoter and Biological Control'. in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani and Zainul Akmar Zakaria.	Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). pg. 244-247. eISBN 978-983-99322-3-2.	2016
3.	Abd Rahman Jabir Mohd Din, Siti Zulaiha Hanapi, Mohamad Roji Sarmidi. 'Suppressive Potential Causing Melanose on Melicope Ptelefolia Leaf (Tenggek Burung)'. in (eds.) Noor Azwani Zainol, Ismail Ware, Siti Hajar Mat Sarip, Mariam Samani and Zainul Akmar Zakaria.	Proceedings of the 6th International Conference on Biotechnology for the Wellness Industry 2016, Melaka, Malaysia. (2016). pg. 5-9. eISBN 978-983-99322-3-2.	2016
4.	Microbial Effects on Seed Germination in Malaysian Rice (<i>Oryza sativa</i> L.) <i>Nurhaziqah Supari, Siti Zulaiha Hanapi, Siti Atiqah Zainul Alam, Muhammad Arshad Javed, Abd Rahman Jabir Mohd Din, Lee Chew Tin, Siti Nor Azlina Abdul Rashid, Nur Arbainah Shamsul Annuar, Mohamad Roji Sarmidi</i>	37 th Proceeding of the Asia Pacific Advanced Network	20-24 Dis 2013

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Bil.	Nama Persidangan, Lawatan, Seminar, Kursus dll.	Anjuran	Tarikh/Tahun
1.	2017 International Symposium Toward the Future of Advanced Researches	Shizuoka University, Japan	27 Feb 2017
2.	AiChE Annual Meeting	Hilton Hotel, San Francisco, US	11-19 Nov 2016
3.	6 th International on Biotechnology for the Wellness Industry	IBD, UTM	16-17 Jun
4.	MPOB Technical Seminar (MTecs)	IBD, UTM	10 Oct 2016
5.	What's new in Confocal Laser Scanning Microscope	Leica Microsystem	25 Mac 2015
6.	International Year of Soil Seminar	ALL-Cosmos	14 Sept 2015
7.	Industry Driven – Beyond Sustainability	Malaysian Biotech. Corporation	5-6 Mac 2014
8.	5 th International Conference on Biotechnology for the Wellness Industry	UTM	10-11 Jun 2014
9.	Warrior Boot Camp	UTM	5-7 Julai 2013
10.	UHW 6023 Seminar 2013	FIC, UTM	3 Dis 2013
11.	37th Asia Pacific Advanced Network <i>Homan Bidakara Hotel, Bandung, Indonesia</i>	APAN	20-24 Dis 2013
12.	Institutional Biosafety Committee (IBC) Annual Seminar	Jabatan Biokeselamatan Kementerian Sumber Asli dan Alam Sekitar	18-19 Jun 2013
13.	Waste water treatment and Garbage Disposal by Nature- by-Nature Process	Laem Phak Bia Environmental Research and Development Project	20-25 Mac 2013
14.	MS 1514: Good Manufacturing Practices (GMP) for Food	NevilleClarke	15-16 Apr 2013
15.	Global Outreach Program -Korea	UTM	3-13 April 2013
16.	On-site Wastewater Management <i>Coff Harbours</i>	Centre for Environmental Training, NSW Australia	16-18 Apr 2012
17.	4 th International Conference for the Wellness Industry <i>Renaissance Hotel & Convention Centre</i>	IBD, UTM	12 Dis–17 Jan 2012
18.	Kursus Kaedah Penyelidikan Kursus Rawatan Air	JZ Water Resources	10 Okt 2011

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19.	A 2 days workshop on Measurement Uncertainty in Chemical Analysis (MU13)	IKM, KL	23-24 Ogos 2011
20.	Summer Programme on Bioprocess Engineering and Biofactories (Processing, facilities, design and regulations)	IBD, UTM	27 Jun – 8 July 2011
21.	Business Terms Workshop	SRI & UTM	2011
22.	SRI's Value Creation Workshop	SRI & UTM	2011
23.	Bioprocess Engineering and Biofactories	IBD, UTM	27 Jun- 1 Jul 2011
24.	Measurement Uncertainty in Chemical Analysis (MU13)	IKM	23-24 Apr 2011
25.	Program Total Quality Organization (TQO) Siri 3	HCD, UTM	10-13 Apr 2010
26.	2 Day Workshop on Value Creation	CEPP & AMTEC	26-27 Oct 2010
27.	3rd International Conference on Biotechnology for the Wellness Industry	IBD, UTM	8-10 Oct 2010
28.	Kursus Kecemerlangan Staff	CEPP & FKK	29 Apr–1 May 2009
29.	Program Orientasi Staff Baru	HCD, UTM	28-30 Julai 2009
30.	Kursus Komputer: Analisa Data menggunakan SPSS	CICT, UTM	20-21 April 2009
31.	Kursus Induksi	Registrar, UTM	21 Nov- 1 Dis 2009
32.	7th International Traditional & Complementary Medicine Conference & Exhibition 2009 and 2nd International Conference on Biotechnology for the Wellness Industry	MOH & UTM	23-26 Julai 2009
33.	Oral Communication Skills in English	CTL, UTM	24 – 25 Jun 2009
34.	Scientific Writing Workshop	RA Biotech, UTM	19-20 Aug 2009
35.	Bioreactor Operation, Maintenance and Trouble Shooting	CEPP, UTM	10-12 Mac 2009
36.	cGMP Facility for the Production of Biopharmaceuticals	CEPP, UTM	15-16 Jan 2009
37.	The Development of Herbal and Biotechnology Industry	CEPP, UTM	10 Feb 2009
38.	Workshop on Patent Development	CEPP, UTM	13 Mac 2011
39.		IBC, UTM	12-13 Feb 2011
40.			

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I. TUTOR/INSTRUCTOR

1. A Two Days Hands-on Course in the Basic Microbiological Analysis
Estet Pekebun Kecil Sdn Bhd (ESPEK)
24 – 25th Nov 2011
2. Herbal Extraction & Production and Bioprocess Technology
Malaysian Biotechnology Corporation (BIOTECHCORP)
7th July & 24th August 2011
3. A 3 Day Course on Production Chemicals for the Oil & Gas Industry and Microbiology
UTM
17th December 2010
4. Training on Biofertilizer Preparation using EM Technology
Kementerian Keluarga Luar Bandar dan Wilayah (KKLW)
8-10th November 2010
5. Recycling Kitchen Waste for Biofertilizer
Berjaya Redang Resort
25 – 26th June 2010
6. Bio-Organic Fertilizer Preparation using EM Technology
IBD, UTM
16 -17th March 2010
7. Genetically Modified Organisms (GMO): Current Status and Technologies
Faculty of Food Science and Biotechnology, UPM
5 – 9 November 2001

J. SECRETARIAT/PANELIST

1. 4th International Conference on Biotechnology for the Wellness Industry (ICBWI) 2012
2. Sensory Panelist
3. One Day Wellness Seminar on Health, Beauty and Productivity
15th November 2011
4. 3rd International Conference on Biotechnology for the Wellness Industry (ICBWI) 2012
5. 2nd International Conference on Biotechnology for the Wellness Industry (ICBWI) 2012

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REFERENCES

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