



CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	AHMAD MUHAIMIN BIN ROSLAN		Gelaran <i>(Title)</i> : DR
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> WARGANEGARA	Bangsa <i>(Race)</i> MELAYU	Jantina <i>(Gender)</i> LELAKI
Jawatan <i>(Designation)</i>	PENSYARAH KANAN	Tarikh Lahir <i>(Date of Birth)</i>	20 JULAI 1985

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
NO. 3384 JALAN 18/61 TAMAN SRI SERDANG SERI KEMBANGAN 43300 SELANGOR Tel: -	JABATAN TEKNOLOGI BIOPROSES FAKULTI BIOTEKNOLOGI DAN SAINS BIOMOLEKUL UNIVERSITI PUTRA MALAYSIA Tel: 03-9679 8054 Fax: -	E-mail: ar_muhaimin@upm.edu.my URL: H/P: 013-931 2007

B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
Philosophy Doctor (PhD)	Kyushu Institute of Technology	2014	Environmental Biotechnology
Master of Science (MS)	Universiti Putra Malaysia	2011	Fermentation Technology
Bachelor of Science (Hons)	Universiti Putra Malaysia	2007	Microbiology
Matriculation	Kolej Matrikulasi Pahang	2004	Life Sciences
Sijil Pelajaran Malaysia (SPM)	Sekolah Menengah Kebangsaan Beserah	2002	Science

C. KEMAHIRAN BAHASA <i>(Language Proficiency)</i>					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English				/	
Bahasa Melayu					/

Chinese	/				
Lain-lain (other):					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Invest Selangor Berhad	Researcher/Consultant	December 2019	June 2020	Biotechnologist
Worldwide Landfill Sdn Bhd	Researcher/Consultant	August 2019	August 2020	Biotechnologist
Novozymes (Malaysia) Sdn Bhd	Researcher/Consultant	January 2018	September 2018	Biotechnologist
MBM Tiga Enterprise Sdn Bhd	Researcher/Consultant	November 2017	To date	Biotechnologist
Universitas Indonesia	Invited Lecturer	October 4 th 2017	October 14 th 2017	Biotechnologist
Malaysian Journal of Analytical Sciences (MJAS)	Reviewer	June 21 st 2017	-	Biotechnologist
Jurnal Teknologi (JT)	Reviewer	June 21 st 2017	-	Biotechnologist
International Biotechnology Conference and Exhibition (IBCEx 2017)	Jury	April 21 st 2017	To date	Biotechnologist
Indah Water Konsortium Sdn Bhd Consultancy Project	Researcher/Consultant	June 2016	To date	Biotechnologist
Mitsubishi Heavy Industries Consultation Project	Researcher/Consultant	June 2016	To date	Biotechnologist
CJBio Consultation Project	Researcher	June 2016	June 2018	Biotechnologist
Microbiology Society Malaysia	Member	April 2016	To date	Biotechnologist
Institute of Tropical Forestry and Forest Products (INTROP)	Research Associate	2016	To date	Biotechnologist
National Institute of Advanced Industrial Science and Technology (AIST) Japan	Researcher	August 31 st , 2015	October 31 st , 2015	Biotechnologist
Japan International Corporation Agency (JICA)	Member	2015	To date	Biotechnologist
Science and Technology Research Partnership (SATREPS)	Researcher	June 2014	November 2018	Biotechnologist
Asian Federation of Biotechnology (AFOB)	Member	2013	To date	Biotechnologist

African Journal of Microbiology Research	Reviewer	Sept 22 nd 2011	-	Microbiologist
National Institute of Advanced Industrial Science and Technology (AIST) Japan	Intern	March 2 nd 2009	March 20 th 2009	Microbiologist
IDEMITSU Co. Japan	Researcher	May 2008	Jan 2010	Microbiologist

E. PEKERJAAN (Employment)

Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia	Pensyarah Kanan	Teknologi Bioproses	1 Oktober 2014	-
Universiti Putra Malaysia	Tutor	Teknologi Bioproses	3 Disember 2007	31 September 2014

F. ANUGERAH DAN HADIAH (Honours and Awards)

Name of awards	Title	Award Authority	Award Type	Year
Academic Awards	SSPEC 2011	Shell / UTM	International	2011
	Anugerah Tokoh Pelajar	Faculty of Biotechnology and Biomolecular Sciences	Faculty	2007
	Anugerah Pelajar Cemerlang	Faculty of Biotechnology and Biomolecular Sciences	Faculty	2007
	Dean's List 1 st Semester 2 nd Semester 3 rd Semester 4 th Semester 6 th Semester	UPM / Faculty of Biotechnology and Biomolecular Sciences, UPM	University	2004 – 2007
	Anugerah Bestari Rajaudang	2 nd College UPM	College	2007
	Anugerah Akademik Gemilang	2 nd College UPM	College	2006
	Anugerah Bestari Junior Rajaudang	2 nd College UPM	College	2004
	1 st Place Matriculation Creative Writing	Kolej Matrikulasi Pahang	College	2003
	Best Student (Science Course)	Sekolah Kebangsaan Beserah	School	2003
Non-Academic Awards	Anugerah Perkhidmatan Cemerlang	Faculty of Biotechnology and Biomolecular Sciences	Faculty / University	2008
	Anugerah Lang Setia	2 nd College UPM	College	2007
Awards of Merit				

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*

Journal	
	<ol style="list-style-type: none"> 1. Sunday Yusuf Kpalo, Mohamad Faiz Zainuddin*, Latifah Abdul Manaf, Ahmad Muhaimin Roslan. 2021. Evaluation of hybrid briquettes from corncob and oil palm trunk bark in a domestic cooking application for rural communities in Nigeria. <i>Journal of Cleaner Production</i> 284: 124745. 2. Mohammed Abdillah Ahmad Farid, Mohd Ali Hassan, Ahmad Muhaimin Roslan, Hidayah Ariffin, Mohd Nor Faiz Norrahim, Mohd Ridzuan Othman, Shirai Yoshihito. 2021. Improving the decolorization of glycerol by adsorption using activated carbon derived from oil palm biomass. <i>Environmental Science and Pollution Research</i>. 3. Nurul Atiqah Osman, Farhana Aziz Ujang, Ahmad Muhaimin Roslan*, Mohamad Faizal Ibrahim, Mohd Ali Hassan, 2020. The effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of <i>Pennisetum purpureum</i>. <i>Scientific Reports</i> 10:1-10 4. Abubakar Abdullahi Lawal, Mohd Ali Hassan*, Mohamed Abdillah Ahmad Farid, Tengku Arisyah Tengku Yasim-Anuar, Mohd Zulkhairi Mohd Yusoff, Mohd Rafein Zakaria, Ahmad Muhaimin Roslan, Mohd Noriznan Mokhtar, Yoshihito Shirai, 2020. Production of biochar from oil palm frond by steam pyrolysis for removal of residual contaminants in palm oil mill effluent final discharge. <i>Journal of Cleaner Production</i> (accepted in press). 5. Mohammed Abdillah Ahmad Farid, Mohd Ali Hassan*, Ahmad Muhaimin Roslan, Mohd Hafif Samsudin, Zarry Jay Jay Mohamad, Mohd Ridzuan Othman, Yoshihito Shirai, 2020. Carbon monoxide reduction in the flue gas during biochar production from oil palm empty fruit bunch. <i>Journal of Cleaner Production</i> 258:120580 6. Sunday Yusuf Kpalo, Mohamad Faiz Zainuddin*, Latifah Abdul Manaf, Ahmad Muhaimin Roslan. 2020. A Review of technical and economic aspects of biomass briquetting. <i>Sustainability</i> 12(11): 4609 7. Mohammed Abdillah Ahmad Farid, Ahmad Muhaimin Roslan*, Mohd Ali Hassan, Muhamad Yusuf Hasan, Mohd Ridzuan Othman, Yoshihito Shirai, 2020. Net energy and techno-economic assessment of biodiesel production from waste cooking oil using a semi-industrial plant: A Malaysia perspective. <i>Sustainable Energy Technologies and Assessments</i> 39:100700 8. Abubakar Abdullahi Lawal, Mohd Ali Hassan*, Mohamed Abdillah Ahmad Farid, Tengku Arisyah Tengku Yasim-Anuar, Mohd Zulkhairi Mohd Yusoff, Mohd Rafein Zakaria, Ahmad Muhaimin Roslan, Mohd Noriznan Mokhtar, Yoshihito Shirai, 2020. One-step steam pyrolysis for the production of mesoporous biochar from oil palm frond to effectively remove phenol in facultatively treated palm oil mill effluent. <i>Environmental Technology & Innovation</i> 100730. 9. Sunday Yusuf Kpalo, Mohamad Faiz Zainuddin*, Latifah Abd Manaf, Ahmad Muhaimin Roslan, 2020. Production and Characterization of Hybrid Briquettes from Corncobs and Oil Palm Trunk Bark under a Low Pressure Densification Technique. <i>Sustainability</i> 12(6):2468 10. Nurul Atiqah Osman, Ahmad Muhaimin Roslan*, Mohd Faizal Ibrahim, Mohd Ali Hassan. Potential use of <i>Pennisetum purpureum</i> for phytoremediation and bioenergy production: A mini review. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> 28(1):14-26 11. Mohamed Abdillah Ahmad Farid, Ahmad Muhaimin Roslan*, Mohd Ali Hassan, Farhana Aziz Ujang, Zarry Mohamad, Muhammad Yusuf Hasan, Yoshihito Shirai, 2019. Convective sludge drying by rotary drum dryer using waste steam for palm oil

mill effluent treatment. *Journal of Cleaner Production* 240: 117986

12. Muhammad Siddiq Mohammed Salleh, Mohamad Faizal Ibrahim*, **Ahmad Muhaimin Roslan**, Suraini Abd-Aziz, 2019. Improved Biobutanol Production in 2-L Simultaneous Saccharification and Fermentation with Delayed Yeast Extract Feeding and in-situ Recovery. *Scientific Reports* 9(1): 1-9
13. Siti Jamilah Hanim Mohd Yusof, **Ahmad Muhaimin Roslan***, Khairul Nadiyah Ibrahim, Sharifah Sopliah Syed Abdullah, Mohd Rafein Zakaria, Mohd Ali Hassan, Yoshihito Shirai, 2019. Life Cycle Assessment for Biotechnol Production from Oil Palm Frond Juice in an Oil Palm Based Biorefinery. *Sustainability* 11(24): 6928
14. Ahmad Aiman Zulkifli, Mohd Zulkhairi Mohd Yusoff*, Latifah Abd Manaf, Mohd Rafein Zakaria, **Ahmad Muhaimin Roslan**, Hidayah Ariffin, Yoshihito Shirai, Mohd Ali Hassan, 2019. Assessment of Municipal Solid Waste Generation in Universiti Putra Malaysia and Its Potential for Green Energy Production. *Sustainability* 11(24): 3909
15. Nurul Hidayat, Rizal Alamsyah, **Ahmad Muhaimin Roslan**, Heri Hermansyah, Misri Gozan*, 2019. Production of polyhydroxybutyrate from oil palm empty fruit bunch (OPEFB) hydrolysates by *Bacillus cereus* suaeda B-001. *Biocatalysis and Agricultural Biotechnology* 18: 101019
16. Cut Nanda Sari, Rudi Hertadi, Misri Gozan*, **Ahmad Muhaimin Roslan**, 2019. Factors Affecting the production of biosurfactants and their applications in enhanced oil recovery (EOR): A Review. *IOP Conference Series: Earth and Environmental Science* 353 (1): 012048
17. Farhana Aziz Ujang, Nurul Atiqah Osman, Mohd Izuan Effendi Halmi, Mohd Ali Hassan, **Ahmad Muhaimin Roslan***, 2018. Start-up treatment of palm oil mill effluent (POME) final discharge using Napier grass in wetland system. *IOP Conference Series: Materials Science and Engineering* 368(1): 012008
18. Siti Jamilah Hanim Mohd Yusof, **Ahmad Muhaimin Roslan***, Khairul Nadiyah Ibrahim, Sharifah Sopliah Syed Abdullah, Mohd Rafein Zakaria, Mohd Ali Hassan, Yoshihito Shirai, 2018. Environmental performance of bioethanol production from oil palm frond petiole sugars in an integrated palm biomass biorefinery. *IOP Conference Series: Materials Science and Engineering* 368(1): 012004
19. Khairiatul Nabilah-Jansar, **Ahmad Muhaimin Roslan***, Mohd Ali Hassan, 2018. Appropriate Hydrothermal Pretreatment of Oil Palm Biomass in Palm Oil Mill. *Pertanika Journal of Scholarly Research Reviews* 4(1): 31-40
20. Noor-Azira Abdul-Mutalib, Syafinaz Amin Nordin*, Malina Osman, **Ahmad Muhaimin Roslan**, Natsumi Ishida, Kenji Sakai, Yukihiro Tashiro, Kosuke Tashiro, Toshinari Maeda, Yoshihito Shirai, 2016 The prevalence of foodborne pathogenic bacteria on cutting boards and their ecological correlation with background biota. *AIMS Microbiology* 2(2):138-151
21. **Ahmad Muhaimin Roslan***, Mior Ahmad Khushairi Mohd ZAHARI, Mohd Ali HASSAN, and Yoshihito SHIRAI, 2014. Investigation of Oil Palm Frond Properties for Use as Biomaterials and Biofuels. *Tropical Agriculture and Development*. 58 (1) : 26 – 29
22. Mior Ahmad Khushairi Mohd Zahari, Sharifah Sopliah Syed Abdullah, **Ahmad Muhaimin Roslan**, Hidayah Ariffin*, Yoshihito Shirai, Mohd Ali Hassan, 2014. Efficient utilization of oil palm frond for bio-based products and biorefinery. *Journal of Cleaner Production* 65 (2014) 252-260
23. **Ahmad Muhaimin Roslan**, Phang Lai Yee, Umi Kalsom Md Shah, Suraini Abd-Aziz* and Mohd Ali Hassan, 2011. Production of Bioethanol from Rice Straw using Cellulase

	<p>by Local <i>Aspergillus</i> sp.. <i>International Journal of Agricultural Research</i>, 6: 188-193.</p> <p>24. Ahmad Muhaimin Roslan, Mohd Ali Hassan, Suraini Abd-Aziz* and Phang Lai Yee, 2009. Effect of Palm Oil Mill Effluent Supplementation on Cellulase Production from Rice Straw by Local Fungal Isolates. <i>International Journal of Agricultural Research</i>, 4: 185-192.</p>
<i>Books/Monographs</i>	
<i>Chapter in book</i>	<p>1. Siti Jamilah Hanim Mohd Yusof, Mohd Rafein Zakaria, Ahmad Muhaimin Roslan, Ahmad Amiruddin Mohd Ali, Yoshihito Shirai, Hidayah Ariffin, Mohd Ali Hassan*, 2019. Chapter 12: Oil Palm Biomass Biorefinery for Future Bioeconomy in Malaysia. Lignocellulose for Future Bioeconomy, <i>Elsevier</i>. 265-285</p>
<i>Proceedings</i>	<p>1. Ahmad Muhaimin Roslan, Mohd Ali Hassan and Yoshihito Shirai, 2016. Superheated steam as a cheap and appropriate treatment to improve fermentable biosugars yield from oil palm frond petiole. Sejong University-UPM Biotechnology Joint Symposium, Sejong University, Korea.</p> <p>2. Ahmad Muhaimin Roslan, Mohd Ali Hassan and Yoshihito Shirai, 2015. Oil palm frond as a new biomass for biosugars and bioenergy. Biotech Mini Symposium, UPM Serdang, Selangor, Malaysia.</p> <p>3. Ahmad Muhaimin Roslan, Mohd Ali Hassan and Yoshihito Shirai, 2014. Oil palm frond petiole's juice as a supplement for the bioethanol fermentation by <i>saccharomyces cerevisiae</i>. Symposium on Applied Engineering and Sciences, Kyushu, Japan.</p> <p>4. Ahmad Muhaimin Roslan, Izzudin Ibrahim, Mohd Ali Hassan and Yoshihito Shirai, 2014. Wet disc milling as an appropriate treatment for sugar recovery from oil palm frond biomass. AFOB Regional Symposium, Kuala Lumpur, Malaysia. (PB052)</p> <p>5. Ahmad Muhaimin Roslan, Mohd Ali Hassan and Yoshihito Shirai, 2012. Production of Value Added Products from Oil Palm Fronds. Japanese Society for the Promotional of Science (JSPS) Seminar, UPM Serdang, Selangor, Malaysia. p: 8</p> <p>6. Ahmad Muhaimin Roslan, Production of cellulase and bioethanol from rice straw. Shell Inter-Varsity Student Paper Presentation Contest (SSPEC) 2011, UTM, Johor, Malaysia.</p>
<i>Other publications</i>	<p>1. Nurul Atiqah Osman*, Farhana Aziz Ujang, Ahmad Muhaimin Roslan, Mohamad Faizal Ibrahim and Mohd Ali Hassan. Effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of Napier Grass. In the 7th SAES – International Symposium on Applied Engineering and Sciences (SAES2019) UPM – Kyutech, UPM, Selangor, Malaysia.</p> <p>2. Nurul Atiqah Osman*, Farhana Aziz Ujang, Ahmad Muhaimin Roslan, Mohamad Faizal Ibrahim and Mohd Ali Hassan. Effect of Palm Oil Mill Effluent Final Discharge on the Characteristics of Napier Grass. In the AFOB-Malaysia Chapter International Symposium (AFOBMCIS 2019), The Everly Hotel Putrajaya, Malaysia.</p> <p>3. Siti Jamilah Hanim Mohd Yusof*, Ahmad Muhaimin Roslan, Shinji Fujimoto, Mohd Rafein Zakaria, Mohd Ali Hassan and Yoshihito Shirai, 2019 Production of Xylooligosaccharides by Carbon Dioxide-Assisted Hydrothermal Pretreatment of Oil Palm Biomass. The Asian Federation of Biotechnology Malaysia Chapter International Symposium 2019 (AFOBMCIS 2019), Selangor, Malaysia.</p> <p>4. Siti Jamilah Hanim Mohd Yusof*, Ahmad Muhaimin Roslan, Khairul Nadiah Ibrahim, Sharifah Sopliah Syed Abdullah, Mohd Rafein Zakaria, Mohd Ali Hassan and Yoshihito</p>

	<p>Shirai, 2019. Life Cycle Assessment of Bioethanol Production From Oil Palm Frond in Oil Palm Based Biorefinery. Symposium of Applied Engineering and Sciences (SAES 2019), Selangor, Malaysia.</p> <p>5. Nurhani Fatimah Jariah*, Ahmad Muhaimin Roslan, Mohd Ali Hassan, Taufiq Yap Yun Hin, 2019. Purification of Biodiesel from Grease Trap Waste using Biomass Derived Adsorbents. AFOB Malaysia Chapter International Symposium 2019, Selangor, Malaysia.</p> <p>6. Nurhani Fatimah Jariah*, Ahmad Muhaimin Roslan, Mohd Ali Hassan, Taufiq Yap Yun Hin, 2019. Purification of Biodiesel from Grease Trap Waste using Biomass Derived Adsorbents. 7th International Symposium on Applied Engineering and Sciences (SAES2019), Selangor, Malaysia.</p> <p>7. Siti Jamilah Hanim Mohd Yusof*, Khairul Nadiah Ibrahim, Sharifah Sopliah Abdullah, Ahmad Muhaimin Roslan, Mohd Rafein Zakaria, Mohd Ali Hassan and Yoshihito Shirai, 2017. Life Cycle Assessment for Bioethanol Production from Oil Palm Frond in an Oil Palm based Biorefinery. Wood and Biofiber International Conference 2017, Selangor, Malaysia.</p> <p>8. Farhana Aziz Ujang, Nurul Atiqah Osman, Juferi Idris, Mohd Izuan Effendi Halmi, Mohd Ali Hassan and Ahmad Muhaimin Roslan, 2017. Utilization of Palm Oil Mill Effluent Final Discharge For Napier Grass Farming Using Wetland System. Wood and Biofiber International Conference 2017, Selangor, Malaysia.</p> <p>9. Khairatul Nabilah-Jansar, Mohd Rafein Zakaria, Ahmad Muhaimin Roslan, and Mohd Ali Hassan, 2017. Production of Glucose from Mixed Oil Palm Biomass using Hydrothermal Pretreatment. Wood and Biofiber International Conference 2017, Selangor, Malaysia.</p> <p>10. Nurul Atiqah Osman, Farhana Aziz Ujang, Ahmad Muhaimin Roslan, 2017. Comparison Between Open System Wetland and Closed System Wetland in Treating Palm Oil Mill Effluent Final Discharge. Wood and Biofiber International Conference 2017, Selangor, Malaysia.</p>
Computer software	

H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
GP-IPS/2016/9488700	Combined pretreatment of CO ₂ -assisted steam explosion and wet disk milling pretreatment for fermentable sugars production from oil palm biomass	Supervisor	2016	GP-IPS	Completed
GP-IPM/2016/9510900	Treatment of oil palm final discharge using wetland system for the production of plants biomass and fish farming	Project Leader	2016	GP-IPM	Completed
GP/2017/9560100	Characterization of Biosugars Produced from Saccharification of Napier grass Supplied with POME Final Discharge for the Production of Biochemicals	Project Leader	2017	GP	Completed

I. PENYELIAAN PELAJAR (Supervision of students)					
Type of supervision	Name of students	Title of research	Specialisation	Year started	Year graduated
(PHD)	NURUL AIN	UTILIZATION OF	AGROBIODIVERSITY	2020	On-going

MAIN SUPERVISOR	BINTI ABU BAKAR	PADDY WASTE FOR THE PRODUCTION OF VALUE ADDED PRODUCTS	AND ENVIRONMENT		
(PHD) CO-SUPERVISOR	SUNDAY YUSUF KPALO	PRODUCTION AND EVALUATION OF HYBRID BRIQUETTES FROM CORNCOB AND OIL PALM TRUNK BARK FOR COOKING APPLICATION	ENVIRONMENT	2018	Thesis submitted
(PHD) CO-SUPERVISOR	SITI JAMILAH HANIM BINTI MOHD YUSUF	BIOREFINERY PROCESS FOR THE OIL PALM BIOMASS BIOCONVERSION INTO VALUE ADDED PRODUCTS	BIOCHEMICAL ENGINEERING	2015	On-going
(MS) MAIN SUPERVISOR	NURUL ATIQA BINTI OSMAN	BIOBUTANOL PRODUCTION FROM BIOSUGARS DERIVED FROM NAPIER GRASS USED IN A BIOREMEDIATION	BIOENERGY, ENVIRONMENTAL BIOTECHNOLOGY	2017	2020
(MS) MAIN SUPERVISOR	NOR FARHANA BINTI AZIZ UJANG	TREATMENT OF POME FINAL DISCHARGE USING WETLAND SYSTEM	ENVIRONMENTAL BIOTECHNOLOGY	2016	2020
(MS) CO-SUPERVISOR	KHAIRIATUL NABILAH BINTI JANSAR	CO ₂ -ASSISTED STEAM EXPLOSION PRETREATMENT FOR BIOCONVERSION OF FERMENTABLE SUGARS FROM EMPTY FRUIT BUNCH	ENVIRONMENTAL BIOTECHNOLOGY	2015	2018
(MS) CO-SUPERVISOR	MOHD SIDDIQ BIN SALLEH	BIOBUTANOL PRODUCTION AND RECOVERY VIA GAS STRIPPING	ENVIRONMENTAL BIOTECHNOLOGY	2015	2018
(BACHELOR DEGREE) MAIN SUPERVISOR	NAALVEN KUMAR A/L KUMARA RAJA	REMOVAL OF NITROGEN FROM SYNTHETIC WASTEWATER USING COLUMN PACKED BIOCHAR FILTRATION	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2020	2021
(BACHELOR DEGREE) MAIN SUPERVISOR	FARAH NAJWA BINTI SAUFIL JAFRU	OPTIMISATION OF BIODIESEL PURIFICATION USING ACTIVATED BIOCHAR	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2020	2021
(BACHELOR DEGREE) MAIN SUPERVISOR	NUR LIYANA BINTI AHMAD NAZRI	ENZYMATIC CONVERSION OF UNFILLED PADDY SEED INTO FERMENTABLE SUGARS	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2020	2021
(BACHELOR DEGREE) MAIN SUPERVISOR	KALAI SELVI A/P KANAVADI	SACCHARIFICATION OF NAPIER GRASS TO PRODUCE BIOSUGARS IN	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2018	2019

		BIOBUTANOL FERMENTATION			
(BACHELOR DEGREE) MAIN SUPERVISOR	NORAQILAH ABDUL HALIM	SACCHARIFICATION OF NAPIER BIOMASS FOR BIOSUGARS PRODUCTION	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2018	2019
(BACHELOR DEGREE) MAIN SUPERVISOR	MOHAMAD LUQMAN AFIQ BIN AB. RAHIM	PRODUCTION OF FATTY ACID METHYL ESTER FROM WASTE VEGETABLE OIL	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2018	2019
(BACHELOR DEGREE) MAIN SUPERVISOR	IZZAH ATIQA BINTI IDRIS	BIOSUGARS FROM NAPIER GRASS USED FOR BIOREMEDIATION	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2017	2018
(BACHELOR DEGREE) MAIN SUPERVISOR	NUR AINA BINTI BAKRI @ MOHD BAKRI	REUTILIZATION OF REACTIVATED SPENT ACTIVATED CARBON	BIOENERGY, ENVIRONMENTAL BIOTECHNOLOGY	2017	2018
(BACHELOR DEGREE) MAIN SUPERVISOR	NUR SYAZWANI BINTI MD YUSOF	BIOREMEDIATION OF POME FINAL DISCHARGE USING WETLAND SYSTEM	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2017	2018
(BACHELOR DEGREE) MAIN SUPERVISOR	NURUL ATIQA BINTI OSMAN	UTILIZATION OF POME FINAL DISCHARGE FOR PLANTATION	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2016	2017
(BACHELOR DEGREE) MAIN SUPERVISOR	ZULAIKHA	UTILIZATION OF POME FINAL DISCHARGE FOR FISH FARMING	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2016	2017
(BACHELOR DEGREE) MAIN SUPERVISOR	NORAZIAH BINTI MOHD NOR	TREATMENT OF PALM OIL MILL EFFLUENT FINAL DISCHARGE THROUGH GREEN TECHNOLOGY	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2015	2016
(BACHELOR DEGREE) MAIN SUPERVISOR	SITI SYAHIRAH BINTI ABD HASHIM	BIOCONVERSION OF PALM OIL MILL FINAL DISCHARGE FOR VALUE ADDED PRODUCT	BIOPRODUCTS, ENVIRONMENTAL BIOTECHNOLOGY	2015	2016