

## CURRICULUM VITAE



### A. **PERSONAL DETAILS**

1. Name: Dr Norhafezah Binti Kasmuri
2. Date of Birth: 06-02-1980
3. Sex: Female
4. Office Address: Faculty of Civil Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, Malaysia
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<https://scholar.google.com/citations?user=DojBvN0AAAAJ&hl=en>



<https://uitm.pure.elsevier.com/en/persons/norhafezah-kasmuri/publications/?type=%2Fdk%2Fatira%2Fpure%2Fresearchoutput%2Fresearchoutputtypes%2Fcontributiontojournal%2Farticle>  
[https://www.researchgate.net/profile/Norhafezah\\_Kasmuri2/research](https://www.researchgate.net/profile/Norhafezah_Kasmuri2/research)

### B. **BRIEF PERSONAL HISTORY**

Norhafezah binti Kasmuri has obtained her Degree in Civil and Environmental Engineering from Universiti Kebangsaan Malaysia in 2001. She has received her Master of Science in Water Resources Engineering and Management (WAREM) from Universitat Stuttgart, Germany in 2004. She has completed her study of Doctor of Philosophy in Chemical Engineering from Swansea University, Wales, the United Kingdom in 2014. She has been serving UiTM since August 2014 as a senior lecturer at the Faculty of Civil Engineering. Her research interests are interdisciplinary includes water resources engineering and management,

water and wastewater treatment, water reclamation and reuse, environmental engineering and sustainability management, biochemical and bioprocess engineering.

C. **ACADEMIC QUALIFICATION**

No.	Name of Institution	Degree/Qualification	Date Awarded <input type="checkbox"/>
1.	Swansea University, Wales United Kingdom	Ph.D. in Chemical Engineering	2014
2.	Universitat Stuttgart, Germany	MSc in Water Resources Engineering and Management (WAREM)	2004
3.	Universiti Kebangsaan Malaysia	Degree in Civil & Environmental Engineering (Second Class Upper Division)	2001

D. **WORKING EXPERIENCE**

1.	2014-Present	Senior Lecturer, Faculty of Civil Engineering in Universiti Teknologi MARA (UiTM) - Research interests are interdisciplinary includes water resources engineering and management, water and wastewater treatment, water reclamation and reuse, environmental engineering and sustainability management, biochemical and bioprocess engineering.
2.	2009 - 2014	Tenaga Pengajar Muda dibawah Basiswa SLAB/SLAI- Pursuing PhD in the United Kingdom
3.	2005 - 2009	Lecturer in University Technology Mara, Pulau Pinang, Malaysia - Educates student in diploma and degree of Civil Engineering especially in water engineering subjects such as Fluid Mechanics, Hydraulics Engineering, Water and Wastewater Engineering and Water Resources Laboratory.
4.	2002-2004	Tenaga Pengajar Muda - Study leave (Pursuing Master in Germany)
5.	2002	Engineer, BWP Consultants Engineer - Involved in the design of water treatment plant in Kubang Kerian, Perak. <input type="checkbox"/> -Produced preliminary and detail designs of water supply

		<p>demand in the Kubang Kerian Region in Perak including the intake and quality of water and pipeline distribution in Ipoh Region in Perak.</p> <p>-Involved in rebuilding the dam catchment in Bentong, Pahang due to a massive flood.□</p> <p>-Involved in the design of wastewater treatment plant under the Indah Water Konsortium for Sungai Pechala region.</p>
6.	2001	<p>Trainee Engineer, Zaaba Consultants Engineer - Trainee Engineer in Hydraulic and Hydrology Department</p> <p>-Involved in a turnkey project in designing mitigation measures for the levees and embankment and also rehabilitation programs for the river catchments in Damansara, Kuala Lumpur.□</p> <p>-Work with SWMM for the project of river catchment in Damansara, Kuala Lumpur.</p>

**E. PROFESSIONAL QUALIFICATIONS**

1. Member of the International Solid Waste Association (ISWA) - Since 2017
2. Member of International Association for Hydro-Environment and Research (IAHR) - Since 2017
3. Member of Institution of Chemical Engineers (ICChemE) - Since 2017
4. Graduate Engineer, Board of Engineers Malaysia (BEM) - Since 2006
5. Graduate Member, The Institution of Engineers Malaysia (IEM) - Since 2006

**F. POSITION**

- Coordinator KIK in Institute of Quality and Knowledge Advancement (InQKA)
- Liaison Officer of Flood Control Research Centre, Faculty of Civil Engineering
- Senior Lecturer in Faculty of Civil Engineering

**G. STUDENT SUPERVISION**

**Degree**

2018 (Completed) - Thesis "Treatment of Pond from Abandoned Landfill via Electrocoagulation" by Dian Khairunnisa binti Muhammad Amin.

2018 (Completed) - Thesis "Removal of heavy metals in an abandoned pond near unlined landfill by electrocoagulation" by Nurazwa binti Adnan.

2018 (Completed) - Thesis "Assessment of Water Quality and Contamination of Heavy Metals: Case Study in Sungai Labu, Sepang, Selangor" by Anis Syamira Abdul Razak.

2018 (Completed) - Thesis "Electrocoagulation Treatment on Palm Oil Mill Effluent" by Muhammad Shukri Sahar.

2018 (Completed) - Thesis "Assesment of Water Quality and Heavy Metals in Semenyih River" by Noor Farah Syairah Mohammad.

2017 (Completed) - Thesis "Enhancement of Bioplastic by Using Eggshells and Chitosan in Potato Starch-based" by Muhammad Safwan bin Abu Zait.□

2017 (Completed) - Thesis "Use of Egg Shells and Chitosan as Filler for Improving Cornstarch Based Bioplastic" by Mohamad Hakimi bin Maidin

2016 (Completed) - Thesis "Removal of Ammonia-Nitrogen and Heavy Metal from Landfill Leachate by Electrocoagulation" Nur Aliah Ahmad Tarmizi.

2016 (Completed) - Thesis "The Comparison between Alum and Moringa Oleifera as Coagulant" by Razanatul Ain Binti Hassan□

2016 (Completed) - Thesis "Treatment of Palm Oil Mill Effluent using Bio-filter in Batch Culture" by Mohamad Sharman Asiff bin Mohamad

2016 (Completed) - Thesis "The Comparison between Alum and Dragon Fruit Foliage as Coagulant" by Muhammad Ikhwan bin Shahrul Noor

2016 (Completed) - Thesis "Comparison of Activated Carbon using Coconut Shell and Oil Palm Fibre for Removal of Heavy Metal" by Muhammad Rashdan bin Ibrahim

2016 (Completed) - Thesis "A Comparative Study of Water Quality using Filtration Method (Sand and Activated Carbon) at Taman Tasik Metropolitan" by Mohd Razi bin Azidin Azmie Chan

2015 (Completed) - Thesis "Water Quality Assessment of Sungai Semenyih" by Siti Sara binti Mohamed Jamil.

2015 (Completed) - Thesis "Study of Water Quality in Klang River" by Noradila binti Abdul Hadi.

2015 (Completed) - Thesis "Water Quality Assessment and Batch Culture Experiment on Removal of Ammonia in Wastewater" by Nor Rashidah Binti Abd Kamal Rasid.□

2015 (Completed) - Thesis "Effectiveness of Kolej Mawar Treatment Plant and Phosphorus Removal in Batch Culture Experiment" by Mashitoh binti Yusuf.

2015 (Completed) - Thesis "Temporary and Spatial Data Quality of Klang River" by Maidzatul Akmar Binti Ramly. □

### **Master Dissertation**

2019 (Completed) - Thesis "Removal of Ammonia-nitrogen and Phosphate in Leachate using a Mixed of Algae and Bacteria Culture and Factorial Design Analysis" by Muhammad Zaidi bin Misni.  
Main Supervisor

2019 (Completed) - Thesis "Early Smart Warning System AND Ecosystem Valuation for Mitigation of Wildlife Roadkill " by Nadirah Binti Nazar. □  
Main Supervisor

2018 (Completed) 2018 (Completed) - Thesis "Evaluation on Environmental Impact from MSW management at Jeram Landfill using WARM Analysis" by Muhd Hazwan Hisyam bin Abu Hassan.  
Main Supervisor

2018 (Completed) - Thesis "Maintenance Strategy Selection using Fuzzy Delphi Method in Royal Malaysian Air Force (RMAF)" by Shahizan bin Ahmad.  
Main Supervisor

2017 (Completed) - Thesis "Assessment of Water Quality Index (WQI) & Heavy Metals in Sg. Bonus" by Azril Hafiz bin Ab Rahim  
Main Supervisor

2017 (Completed) Thesis "Ammonia-nitrogen and Phosphate Reduction by Bio-filter in Batch Culture Experiment" by Nur Ashikin binti Mat Damin  
Main Supervisor

2017 (Completed) - Thesis "The Ion Exchange Treatment for Removal of Ammonia-nitrogen, Manganese and Cadmium with the Application of Zeolite" by Siti Nurfadhilah binti Mohamed Sabri  
Main Supervisor

2016 (Completed) - Thesis "Removal of Heavy metal in batch culture experiment under Floccor-RMP" by Nur Fatma Amirah Nadirah Ismail  
Main Supervisor

2016 (Completed) - Thesis "Mathematical Analysis of Coagulation Effectiveness Using Alum and Moringa Oleifera as Coagulant" by Najwa Mat Yasin  
Main Supervisor

2016 (Completed) - Thesis "Optimization of Municipal Solid Waste Collection Routes via Dijkstra's Algorithm in Section 7, Shah Alam" by Nur Fadzliyana bt Ab Halim  
Main Supervisor

### **Master by Research**

Ongoing - Thesis "Bio-degradation of Microplastic in Packed Bed Reactor for Bio-diversity Conservation" by Nur Aliah bt Ahmad Tarmizi  
Main Supervisor

### **PhD**

Ongoing - Thesis "Interaction of Bacteria-Fungi-Surfactants on the Degradation of Phenanthrene" by Nur Hidayah binti Hamzah □  
Main Supervisor

Ongoing - Thesis "Community Engagement Framework in Household Waste Segregation Towards 3R Program Improvement" by Khalid bin Yusof dari Fakulti Seni Bina, Perancangan & Ukur  
Co-Supervisor □

Ongoing - Thesis "Optimization of Exopolysaccharides (EPS) from Lactic Acid Bacteria using Response Surface Methodology (RSM)" by Hifa Nazirah binti Mohammad Yaziz dari Fakulti Sains Gunaan  
Co-Supervisor □

## H. **RESEARCH GRANTS**

BESTARI PERDANA Grant Cycle 2018 – bio-degradation of microplastic in packed bed reactor for biodiversity conservation □  
(RM 30, 000 - Two Years)  
Principal Investigator

LESTARI Grant Cycle 2018 – "Community Engagement Framework in Household Waste Segregation Towards Sustainable 3R Programme Improvement"  
(RM 20, 000 - Two Years)  
Member

LESTARI Grant Cycle 2017 – Interaction of Fungi and Polycyclic Aromatic Hydrocarbons (PAHs) in Addition to Surfactants (RM 20, 000 - Two Years) □  
Member

LESTARI Grant Cycle 2016 – Electrocoagulation in Landfill Leachate (RM 20, 000 - Two Years) (Completed)  
Principal Investigator

## I. **PUBLICATION**

### **Journal Publication**

1. Khalid Yusof, Faridah Ismail, JulittaYunus, **Norhafezah Kasmuri**, Rohaslinda Ramele@Ramli, Marsita Omar, Izatulaili Jabar and Hafizam Mustaffa. (2019) "Community Participation and Performance of Waste Segregation Program in Malacca: Towards Sustainable Waste Management," MATEC Web of Conference, 266, page 1 - 7
2. **Norhafezah Kasmuri**, Robert William Lovitt and Fatihah Suja'. (2019) "Removal of Synthetic Estrogens in Attached Growth System," International Journal of Engineering and Technology (IJET) Volume 8, Issue 1.2, page 96-102
3. **Norhafezah Kasmuri**, Siti Nurfadhilah Mohamed Sabri, Marfiah Ab Wahid, Zamri Abdul Rahman, Mimi Mazira Abdullah, and Muhammad Zahin Khairul Anur. (2018) "Using zeolite in the ion exchange treatment to remove ammonia-nitrogen, manganese and cadmium," AIP Conference Proceedings, page 1-6□
4. **Norhafezah Kasmuri** and Robert William Lovitt. (2018) "Inhibition of High Substrate Concentration of Ammonia-Nitrogen in Bio-Filter," International Journal of Engineering and Technology (IJET) Volume 18, Issue 4, page 292-296
5. **Norhafezah Binti Kasmuri** & Muhammad Safwan Abu Zait. (2018) "Enhancement of Bio-plastic using Eggshells and Chitosan on Potato Starch-Based," International Journal of Engineering and Technology (IJET)□ Volume 7, Issue 3, page 110-115
6. **Norhafezah Binti Kasmuri** & Robert William Lovitt. (2018) "Enriching The Culture Of Ammonia-Oxidizing Bacteria From Soil And Fishpond With Bio-filters,"□ Journal Of Engineering Science And Technology (JESTEC), School of Engineering, Taylor's University, Volume 13, Issues 6, page 1562-1572.
7. **Norhafezah Binti Kasmuri**, Nur Ashikin Mat Damin & Megawati Omar. (2018) "Ammonia-nitrogen And Phosphate Reduction By Bio-filter Using Factorial Design," IOP Conference Series: Earth And Environmental Science Volume 117, Issue 1, page 1-7.
8. **Norhafezah binti Kasmuri** & Nur Aliah binti Ahmad Tarmizi. (2018) "The Treatment of Landfill Leachate by Electrocoagulation to Reduce Heavy Metals and Ammonia-Nitrogen," International Journal of Engineering and Technology (IJET) Volume 7, Issue 11, page 109-112.
9. **Norhafezah binti Kasmuri**, Nurfadzliana Abdul Halim & Megawati Omar, "Simulation of Municipal Waste Route Optimization by Dijkstra," Journal of Fundamental and Applied Science

Volume 9N, Special Issue 5, page 732-747.

10. **Norhafezah binti Kasmuri**, Robert William Lovitt & Megawati Omar. (2017) "Consumption of Ammonia-nitrogen by AOB in Immobilized Batch Culture," Journal of Fundamental and Applied Science Volume 9, Issue 6, page 257-272.
11. Baharom, S, Hamid, R. Khoiry, M. A. Mutalib, A. A. Hamzah, N. and **Kasmuri, N.** (2016) "Effectiveness of Teaching and Learning Method in Concrete Laboratory Works" Pertanika J. Soc. Sci. & Hum Volume 24, pp. 63 – 76.

### **Conference Attended**

1. International Conference on Sustainable Energy and Green Technology (SEGT 2018)  
11 – 14 December 2018  
Organized by University Malaya, Malaysia  
**Norhafezah Kasmuri** and Robert William Lovitt  
"Biodegradation of 17 $\alpha$  – ethynylestradiol and mestranol under aerated nitrifying partial fixed bed continuous reactor (PFBR) conditions"  
DoubleTree by Hilton Kuala Lumpur, Kuala Lumpur, Malaysia
2. 2nd International Symposium on Civil and Environmental Engineering (ISCEE 2018)  
3 – 4 December 2018  
Organized by Universiti Tun Hussein Onn, Malaysia  
Muhd Hazwan Hisyam Abu Hassan, **Norhafezah Kasmuri** and Muhamad Hassan Basri  
"Assessment of CO<sub>2</sub> Emission and Energy Reduction on Solid Waste in Jeram Landfill using Warm Analysis" Federal Hotel, Kuala Lumpur, Malaysia
3. Asean Emerging Researchers Conference 2018  
3 December 2018  
Organized by Sunway University  
Nur Aliah Ahmad Tarmizi and **Norhafezah Kasmuri**  
"Biodegradation of micro-plastic in batch culture using biofilter"  
Sunway University, Malaysia
4. 2nd International Graduate Conference (GraCe 2018)  
13 October 2018.  
Organized by Department of Research and Industrial Linkages UiTM, Cawangan Terengganu, Malaysia  
Azril Hafiz Ab Rahim & **Norhafezah Kasmuri**  
"Assessment of Water Quality Index and Heavy Metals in Sungai Bonus, Malaysia," ILD, Negeri Sembilan, Malaysia.
5. 6th International Technical Conference (ITC 2018)  
4 to 6 October 2018.

POLINES, Negeri Semarang, Indonesia.

**Norhafezah Binti Kasmuri** & Robert William Lovitt,

"Influence of Temperature and Ph on the Growth of Nitrifying Bacteria in the Attached Growth System,"

Grand Candi Hotel, Semarang, Indonesia.

6. 6th International Congress on Technology Engineering & Science (ICONTESS 2018) 19 – 20 July 2018.

Organized by Asia Pacific University of Technology & Innovation, Jalan Kerinchi, Kampung Kerinci, 59200 Kuala Lumpur, Malaysia

**Norhafezah Kasmuri** and Muhammad Safwan Abu Zait

"Enhancement of Bio-Plastic by using Eggshells and Chitosan into Potato Starch-Based," □

Hotel Armada, Petaling Jaya, Kuala Lumpur, Malaysia.

7. 3rd International Sciences, Technology and Engineering Conference (ISTEC 2018) 17 – 18 April 2018.

Organized by Universiti Teknologi MARA, Perlis Branch, Perlis, Malaysia

**Norhafezah Kasmuri**, Siti Nurfadhilah Mohamed Sabri, Marfiah Ab Wahid, Megawati Omar, Zamri Abdul Rahman, Mimi Mazira Abdullah and Muhammad Zahin bin Khairul Anur,

"Using Zeolite in the Ion Exchange Treatment to Remove Ammonia-nitrogen, Manganese and Cadmium,"

Hotel Royal, Penang, Malaysia.

8. 4th International Conference on Science & Social Research (CSSR 2017) 6-7 December 2017.

Organized by RMC, UITM Shah Alam, Selangor, Malaysia

**Norhafezah Kasmuri**, Nur Aliah Ahmad Tarmizi and Megawati Omar,

"The treatment of Landfill Leachate by Electrocoagulation to Reduce Heavy Metals and Ammonia-nitrogen,"

The Pines, Melaka, Malaysia.

9. 3rd International Conference on Research Methodology for Built Engineering (ICRMEE 2017). 8-9 November 2017.

Organized by FSPU, UITM Shah Alam, Selangor, Malaysia.

**Norhafezah Kasmuri**, Nurasyikin Mat Damin and Megawati Omar,

"Ammonia-nitrogen and Phosphate Reduction by Bio-filter Using Factorial Design,"

Best Western, Shah Alam, Selangor, Malaysia.

10. Malaysian Science and Technology Congress MSTC 2017, 31 October – 2 November 2017,

**Norhafezah Kasmuri**, Robert William Lovitt and Megawati Omar,

"Removal of Synthetic Oestrogens in An Attached Growth System,"

Universiti Putra Malaysia, Serdang, Selangor, Malaysia.

11. 37th IAHR World Congress 2017, 13 – 18 August 2017.

**Norhafezah Kasmuri**, Noradila Abdul Hadi, Megawati Omar and Azril Hafiz Ab. Rahim,

"Water Quality Assessment in Klang River Basin, Malaysia, "

PWTC, Kuala Lumpur

12. International Conference on Applied Science & Knowledge (RASK) 2017, 8 May 2017,  
**Norhafezah Kasmuri**, Robert William Lovitt, and Megawati Omar,  
 "Consumption of Ammonia-nitrogen by AOB in Immobilized Batch Culture,"  
 Universiti Teknologi MARA, Tapah, Perak, Malaysia
13. Proceeding 5th International Technical Conference 2016, 6 – 8 December 2016,  
**Norhafezah Kasmuri**, Robert William Lovitt and Megawati Omar,  
 "Reducing Ammonia-nitrogen by Bio-filters," in 5th International Technical Conference, 2016, pp. 545-551

J. **CONSULTANCY**

Worldwide Company – Treatment of Ammonia-nitrogen using Zeolite (RM 11,000) (Completed)

K. **COMPETITION ATTENDED**

1. International Engineering and Sciences Innovation Exhibition I – ESIX 2018  
**Gold Medal**  
 Parkroyal Penang Resort, Malaysia, 24 November 2018  
 Dian Khairunnisa binti Muhammad Amin, Nurazwa binti Adnan dan **Norhafezah Kasmuri**.  
 "Treatment of Pond from Abandoned Landfill via Electrocoagulation"
2. IIDEX 2018 (Invention, Innovation & Design Exposition 2018)  
**Gold Medal**  
 University Teknologi MARA, DATC, 24 – 28 September 2018,  
**Norhafezah Kasmuri**, Mohd Fozi Ali, Jurina Jaafar, Sabariah Arbai, Nur Aliah Ahmad Tarmizi, Dian Khairunnisa Muhammad Amin dan Nur Ezzaryn Asnawi Subki.  
 "Electrocoagulation in Palm Oil Mill Effluent"
3. International Invention & Innovation Competition (InIIC) Series 1/2018  
**Gold Award**  
 Federal Hotel, Kuala Lumpur, Malaysia, 12 May 2018,  
**Norhafezah Kasmuri**, Mohammad Shukri Sahar, Muhammad Zaidi Misni dan Nur Aliah Ahmad Tarmizi.  
 "Electrocoagulation on Palm Oil Mill Effluent (POME)."
4. 4th International Innovation, Design and Articulation (i-IDEA) 2018  
**Bronze Medal**  
 Universiti Teknologi MARA Perlis Branch, Arau Campus, Perlis, Malaysia, 24 – 26 April 2018

**Norhafezah Kasmuri**, Mohamad Hakimi Maidin, Muhammad Safwan Abu Zait and Nur Aliah Ahmad Tarmizi.  
"Use of Eggshells And Chitosan Fillers to Improve Corn Starch-Based Bio-Plastic."

5. 3rd International Built Environment Undergraduate Research Competition (BEURC) 2018,  
University of Malaya, 12 April 2018.  
Won **Gold Medal** in Poster Presentation Engineering & Construction  
Mohammad Shukri Sahar and **Norhafezah Kasmuri**.  
"Electrocoagulation on Palm Oil Mill Effluent (POME)."
6. 3rd International Built Environment Undergraduate Research Competition (BEURC) 2018,  
University of Malaya, 12 April 2018.  
Recognition Award in Poster Presentation Engineering & Construction  
Noor Farah Syairah Mohamad and **Norhafezah Kasmuri**.  
"Assessment of Water Quality and Heavy Metals in Semenyih River."
7. IIDEX 2017 (Invention, Innovation & Design Exposition 2017)  
**Silver Medal**  
University Teknologi MARA, DATC, 25 – 29 September 2017,  
**Norhafezah Kasmuri**, Mohd Fozi Ali, Jurina Jaafar, Muhammad Safwan bin Abu Zait, Mohamad Hakimi bin Maidin.  
"Bio-plastic."
8. IIDEX 2017 (Invention, Innovation & Design Exposition 2017)  
**Silver Medal**  
University Teknologi MARA, DATC, 25 – 29 September 2017,  
**Norhafezah Kasmuri**, Megawati Omar and Nur Aliah binti Ahmad Tarmizi.  
"Electrocoagulation in Landfill Leachate."
9. Pertandingan Inovasi dan Rekacipta Peringkat Kebangsaan 2017  
Penjurian Akhir  
D'Tempat Country Club, Bandar Sri Sendayan, 20 – 21 October 2017,  
Ahmad Syahmi, Zairul Farishah, Nursheeda, Khairil Afiq  
Supervisor: Dr **Norhafezah Kasmuri**  
Tajuk Project: 'Green Medina'
10. Pertandingan Inovasi dan Rekacipta Peringkat Kebangsaan 2017  
Penjurian Akhir di D'Tempat Country Club, Bandar Sri Sendayan, 20 – 21 October 2017,  
Hairie Amrie, Amirul Jasmin, Insyirah, Wan Haziq  
Supervisor: **Dr Norhafezah Kasmuri**  
Tajuk Project: 'Wastewater Model'
11. 2nd International Built Environment Undergraduate Research Competition (BEURC) 2017,  
University of Malaya, 30th – 31st March 2017.  
Won **1st prize** in Poster Presentation Engineering & Construction  
Nur Aliah binti Ahmad Tarmizi, **Norhafezah Kasmuri** and Megawati Omar.

"Removal of Ammonia-Nitrogen and Heavy Metals from Landfill Leachate by Electrocoagulation"

12.2nd International Built Environment Undergraduate Research Competition (BEURC) 2017, □  
University of Malaya, 30th – 31st March 2017.  
Poster Presentation Engineering & Construction  
Siti Sara Mohamed Jamil, **Norhafezah Kasmuri** and Megawati Omar.  
"Water Quality Assessment of Semenyih River"

L. **AWARD RECEIVED**

Dean List Faculty of Engineering Session 2001/2002  
Universiti Kebangsaan Malaysia

Best Bumiputera Student Faculty of Engineering Session 2001/2002  
Universiti Kebangsaan Malaysia

Best Presenter Award for paper entitled "The Treatment of Landfill Leachate by Electrocoagulation to Reduce Heavy Metals and Ammonia-nitrogen" in 4th International Conference on Science & Social Research (CSSR 2017)

Supervisor bagi Anugerah Penyampai Terbaik (WRES) - Thesis  
"Assesment of Water Quality and Heavy Metals in Semenyih River" by  
Noor Farah Syairah Mohammad

Supervisor bagi Anugerah Penyelidikan Terbaik (WRES) - Thesis  
"Assesment of Water Quality and Heavy Metals in Semenyih River" by  
Noor Farah Syairah Mohammad

Diamond Award – Innovation (Open Inventor) for the Innovation of  
"Electrocoagulation in Palm Oil Mill Effluent" in Invention, Innovation &  
Design Exposition (iiDEX 2018)

Supervisor bagi Anugerah Penyelidikan Terbaik (WRES) - Thesis  
"Treatment of Pond from Abandoned Landfill via Electrocoagulation" by  
Dian Khairunnisa binti Muhammad Amin.

Supervisor bagi Anugerah Penyelidikan Terbaik (WRES) -  
Thesis "Assessment of Water Quality and Contamination of Heavy Metals:  
Case Study in Sungai Labu, Sepang, Selangor" by Anis Syamira Abdul  
Razak.

Supervisor bagi Anugerah Potential Industry Research Award -Thesis  
"Removal of heavy metals in an abandoned pond near unlined landfill by  
electrocoagulation" by Nurazwa binti Adnan.

M. **OTHER SKILLS**

Computer literate: good knowledge of Word and Excel

Work with other programs such as LINUX and also other computer models: SWMM, MIKE11, HECRAS and AQUALM.XP.□

Have knowledge of water quality measurement in the field and water analysis and analytical quality control.□

Experience in handling high-end instrument (GC-MS, ICP-OES, HPLC and IC)□

Good in writing and fluent in Malay and English and can speak German language.