



CURRICULUM VITAE



I. PERSONAL PARTICULARS			
Name	DR. SAFURA TAUFIK		
Current Position Faculty / Department	LECTURER / DS51 CENTER FOR DEFENCE FOUNDATION STUDIES		
Position Applying for			
II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS			
(Please list all academic qualifications, from your first degree, in chronological order)			
Year	Degree	Discipline	University
2007	Bachelor of Science (Hons)	Industrial Chemistry	Universiti Putra Malaysia
2011	Master of Science	Analytical Chemistry	Universiti Putra Malaysia
2017	Doctor of Philosophy	Chemistry	University of New South Wales, Sydney, AU
III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)			
No.	TITLES OF POSTGRADUATE THESES		
1. Master	Bismuth Oxide Nanoparticles/ Chitosan – Modified Electrodes as Biosensor for DNA Hybridisation		
2. PhD	An Antifouling Electrode for the Detection of Haemoglobin and Glycosylated Haemoglobin		

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)

Year	Position	Organisation	Start and End Date
2006	Practical Trainee	Malaysian Rubber Board (LGM)	
2007-2008	Research Assistant	Universiti Putra Malaysia	
2008-2010	Lab Demonstrator	Universiti Putra Malaysia	
2011-2016	Tutor	Universiti Pertahanan Nasional Malaysia	
2013	Lab Demonstrator	University of New South Wales	

1.0 TEACHING AND SUPERVISION**1.1 MSc (by Research)**

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	Farah Nabila Binti Diauddin	Electrochemical Aptasensor based Polypyrrole- Iron Oxyhydroxide Nanocomposite for Detection of Dimethyl Methylphosphonate (DMMP)	January 2019	Co-supervisor	Submitted	UPNM
2.	Muhammad Amir Irfan bin Azizan	Electrochemical Impedimetric Aptasensor based Reduced Graphene Oxide-Gold Nanoparticles for Detection of Malathion	July 2021	Main Supervisor	In Progress	UPNM

1.2 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Vayithiswary A/P Kannan	Electrochemical Detection of Cortisol Based on Reduced Graphene Oxide Modified Screen Printed Carbon Electrode (rGO-SPCE)	Internal	29 March 2022	UPNM

1.3 Supervision (Postgraduate Research Project or Final Year Research Project)

(Please list in chronological order)

No.	Name of Project	Project Title	Date of Registration	Role (Main/Co-Supervision)	Status • Completed • Submitted • In Progress
1	PIITRAM 2021 Pre-University/ Matriculation Innovation Competition 2021	Learnly Bot		Main	Completed
2.	PIITRAM 2021 Pre-University/ Matriculation Innovation Competition 2021	The NOA: Food waste-based Absorbent for Oily Food		Main	Completed
3.	PIITRAM 2021 Pre-University/ Matriculation Innovation Competition 2021	UAV: Delivery of Hope		Co-supervisor	Completed
4.	PIITRAM 2022 Pre-University/ Matriculation Innovation Competition 2022	NeoRail Technology		Main	Completed

5.	PIITRAM 2022 Pre-University/ Matriculation Innovation Competition 2022	SelfCharge – DIY Device Charger for Emergency		Main	Completed
6.	PIITRAM 2022 Pre-University/ Matriculation Innovation Competition 2022	AllDayOxi – 24 Hour Energy-saving Oxygen Producing Room		Main	Completed
7.	PIITRAM 2022 Pre-University/ Matriculation Innovation Competition 2022	SMARTEX – Smart Latex Cup for Rubber Plantation		Main	Completed

2.0 RESEARCH, PUBLICATION AND PRESENTATION

2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount and status)

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1	Investigation of electrochemical behaviour of Pyocyanin based graphene nanocomposite-modified electrode for potential application in diagnostic of Pseudomonas aeruginosa infections	Dr. Jahwarhar Izuan Abdul Rashid (Principal) Prof. Dr. Nor Azah Yusof (member) Assoc. Prof. Dr. Azizi Miskon (member) Prof. Dr. Ong Keat Khim (member) Assoc. Prof Dr. Aye Aye Mon (member) Dr. Siti Aminah Mohd Noor (member) Dr. Safura Taufik (member)	2017	RM78,200	Completed
2	Polyonic Liquid – Metal Oxide Nanocomposite Based Sensor For Detection Of Sarin Gas	Dr. Siti Aminah Mohd Noor (Principal) Prof Emeritus Dato' Dr. Wan Md. Zin Wan Yunus (member)	2018	RM 200,000	In Progress

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
		Prof Dr <i>Victor</i> Feizal Abdul Shattar Knight (member) Prof Madya Dr. Norhana Abdul Halim (member) Dr. Jahwarhar Izuan Abdul Rashid (member) Dr. Safura Taufik (member) Dr. Alinda Samsuri (member) Dr. Intan Juliana Shamsudin (member)			
3	Anion Characteristic of Seaweed based Green Biopolymer Electrolytes for Aluminium-Air Battery	Dr. Intan Juliana Shamsudin (Principal) Prof. Emeritus Dato' Dr. Wan Md Zin Wan Yunus (member) Dr. Norherdawati Binti Kasim (member) Nurul Hazwani Aminuddin Rosli (member) Dr. Safura Taufik (member)	2018	RM 20,000	Completed
4	Investigation of electrochemical impedimetric behaviour of the DNA aptamer conjugated gold nanoparticles/reduced graphene oxide-modified electrode for the determination of malathion.	Dr. Safura Taufik (Principal) Prof. Dr. Nor Azah Yusof (member) Dr. Jahwarhar Izuan Abdul Rashid (member) Dr. Siti Aminah Mohd Noor (member) Dr. Intan Juliana Shamsudin (member)	2019	RM 31,400	In Progress
5	Synthesis and Characterization of Hydrophobic Benzoyl Carrageenan Electrolyte	Dr. Intan Juliana Shamsudin (Principal) Prof. Dr. Muhd Zu Azhan Yahya (member) Dr. Hussein Hanibah (member) Dr. Siti Aminah Mohd Noor (member) Dr. Safura Taufik (member)	2019	RM 31,400	In Progress
6	Magnetic ionic liquid-Ag-nanocellulose composites as a promising SERS substrate for pesticide	Arniza Khairani Mohd Jamil (Principal) Sharifah Mohamad (Member)	2021	RM107,000	In Progress

No.	Title	List of Researchers <ul style="list-style-type: none"> • Principal • Members 	Grant Year	Source Amount	Status <ul style="list-style-type: none"> • Completed • In Progress
	residue monitoring	Nor Mas Mira Abd Rahman (Member) Safura Taufik (Member) Nor Saadah Mohd Yusof (member) Dzulkiflee Ismail (member)			

2.2 Publications

2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal <ul style="list-style-type: none"> • ISI • SCOPUS • Peer-Reviewed
1	Taufik, Safura , Nor Azah Yusof, Tan Wee Tee, and Irmawati Ramli. "Bismuth oxide nanoparticles/chitosan/modified electrode as biosensor for DNA hybridization." <i>International Journal of Electrochemical Science</i> 6 (2011): 1880-1891.	Scopus
2	Taufik, S. ; Barfidokht, A.; Alam, M. T.; Jiang, C.; Parker, S. G.; Gooding, J. J., An antifouling electrode based on electrode-organic layer-nanoparticle constructs: Electrodeposited organic layers versus self-assembled monolayers. <i>Journal of Electroanalytical Chemistry</i> . 2016, 779, 229-235.	Scopus (Q2)
3	Jiang, C.; Alam, M. T.; Silva, S. M.; Taufik, S. ; Fan, S.; Gooding, J. J., Unique Sensing Interface That Allows the Development of an Electrochemical Immunosensor for the Detection of Tumor Necrosis Factor α in Whole Blood. <i>ACS Sensors</i> 2016, 1 (12), 1432-1438	Scopus (Q1)
4	Rashid, J. I. A.; Kannan, V; Ahmad, M. H.; Mon, A. A.; Taufik, S. ; Miskon, A.; Ong, K. K.; Yusof, N. A., An Electrochemical Sensor based on reduced Graphene Oxide Nanocomposites Modified Electrode for the Detection of Toxic Pigment Pyocyanin in <i>Pseudomonas aeruginosa</i> Infection. <i>Materials Science and Engineering C</i> 2020, 120	Scopus
5	Diauddin, F. N.; Noor, S. A. M.; Rashid, J. I. A.; Knight, V. F.; Yunus, W. M. Z.; Ong, K. K.; Kasim, N. A. M.; Taufik, S. ; Samsuri, A.; Shamsudin, I. J. Latip, W., Preparation and Characterization of Polypyrrole-Iron Oxyhydroxide Nanocomposite as Sensing Material. <i>Advances in Materials Science and Engineering</i> 2020.	Scopus

2.2.2 Book/ Chapter in Book

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Level
1	Norherdawati Kasim, Norhana Abdul Halim, Fadhlul Wafi Badrudin, Ahmad Farid Mohd Azmi, Azuraida Amat, Jahwarhar Izuan Abdul Rashid, Noor Aisyah Ahmad Shah, Noor Azilah Mohd Kasim, Moor Fadhilah Rahmat, Nor Azlian Abdul Manaf, Norli Abdullah, Safura Taufik , Siti Hasnawati Jamal, Siti Zulaikha Ngah Demon, Wan Yusmawati Wan Yusoff (2020) Kompilasi Ujikaji Sains untuk Sekolah Rendah dan Menengah, Penerbit UPNM	National

2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1	19 th Australia/ New Zealand Electrochemistry Symposium	Formation of a Stable Sensing Interface based on Aryl Diazonium Salt and Gold Nanoparticles Modified on Gold Electrode	Presenter	November 2013	Monash University, Melbourne Australia
2	XXIII International Symposium on Bioelectrochemistry and Bioenergetics (BES2015)	Development of an Amperometric Sensor for the Detection of Haemoglobin in Human Blood	Presenter	14 – 18 June 2015	Malmö, Sweden
3	6 th International Nanomedicine Conference	Amperometric Sensor for the Detection of Haemoglobin in Human Blood	Presenter	6 – 8 July 2015	Australian Centre for NanoMedicine (ACN)
4	Defence, Security and Sustainability (DSS2017)	Development of an Amperometric Sensor for the Detection of Haemoglobin	Presenter	10 – 11 July 2017	UPNM
5	Invention, Innovation & Design Exposition 2017 (IIDEX2017)	A Novel Antifouling Interface for Electrochemical Determination of Haemoglobin Level	Presenter	25 – 29 September 2017	UiTM

6	4 th Advanced Materials Conference	An Antifouling Interface for Electrochemical Determination of Hemoglobin Level in Blood	Presenter	27 – 28 November 2018	SIRIM Berhad
7	7 th International Conference on Solid State Science & Technology	An Antifouling Electrode as a Sensing Platform for the Development of an Electrochemical Immunosensor for the Determination of Glycosylated Hemoglobin (HbA1c)	Presenter	11 – 13 November 2019	MASS & UPNM
8	8 th International Conference on Solid State Science & Technology	An electrochemical sensing interface based on aptamer conjugated gold nanoparticles/reduced graphene oxide for the determination of malathion	Presenter	1 – 3 November 2021	MASS
9	Defence, Security and Sustainability (DSS2022)	Development of an electrochemical impedimetric aptasensor for detection of malathion	Presenter	3 – 4 August 2022	UPNM

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

No.	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1	Pakar Rujuk	2021	National	INSTITUT PENDIDIKAN GURU
2	Anugerah Inovasi Pengajaran	2021	University	UPNM
3	Sijil Penghargaan Prestasi Cemerlang	2019 & 2021	University	UPNM

4	Gold Award - Invention, Innovation & design Exposition (IIDEX2017)	2017	National	UiTM
5	Gold Award - Defence, Security & Sustainability (DSS) Exhibition	2017 & 2022	University	UPNM
6	Silver Award in Academician Category – PIITRAM2022	2021	National	Majlis Dekan/Pengarah Asasi Universiti Awam
7	Gold Award in Academician Category – PIITRAM2022	2022	National	Majlis Dekan/Pengarah Asasi Universiti Awam
8	Gold Award in Academician Category – Creations de UiTM (International Mega Innovation Carnival 2022) CDU2022	2022	International	UiTM Dengkil

3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership and duration)

No.	Position/Membership	Duration
1	Co-coordinator for Laboratory Chemistry II subject (2016)	1 semester
2	Academic Advisor for Foundation Students (2017-2018)	1 session (2 semesters)
3	Co-coordinator for Chemistry I (FCH0216) subject (2017)	1 semester
4	Coordinator for Chemistry Laboratory II subject (Session 2017/2018)	1 semester
5	Chief Editor for Chemistry I (FCH0216) Module (2018)	2018 – present
6	Committee member for STEM (Science, Technology, Engineering and Math)	2018 – present
7	Academic Advisor for Foundation Students (Session 2018/2019)	1 session (2 semesters)
8	Committee member for Buletin RIA@PAP	2019 – present
9	Academic Advisor for Foundation Students (Session 2019/2020)	1 session (2 semesters)
10	Coordinator for Postgraduate Program (Chemistry) at Faculty of Defence Science and Technology	2019 – present
11	Member of International Society of Electrochemistry	2013 – present
12	Member of MASS	2019 – present

13	Technical Paper Reviewer (Solid State Phenomenon)	2020
14	Jury for Oral presentations (ICXRI2021)	2021
15	Member of Persatuan Sensor Malaysia	2022 – present
16	Jury for Poster Competition Pre-University/Matriculation Innovation Competition (PIITRAM 2022)	March 2022
17	Treasurer for STEM Pusat Asasi Pertahanan	2022 – 2024

3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1	STEM committee (STEM Carnival)	Exhibitor	15 August 2018	16 August 2016	National
2	STEM committee (STEM Carnival)	Exhibitor	17 July 2019		National
3	STEM committee (Training of Trainers Workshop)	Exhibitor	17 October 2018	18 October 2018	National

I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.

Signature

: 

Name

: DR SAFURA TAUFIK

Faculty/Department
PERTAHANAN

: PUSAT ASASI

Date

: 2 SEPTEMBER 2022

I verify that, to the best of my knowledge, all the information provided in the forms are true.

Dean

Signature and Stamp :

Date

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