



DR. NOOR HIDAYAH PUNGOT

PERSONAL

Date and Place of Birth	7 July 1984, Batu Pahat, Johor, Malaysia
Citizenship	Malaysian
IC No	840707-01-6420
Current Employer	Universiti Teknologi MARA (UiTM)
Address	School of Chemistry & Environment, Faculty of Applied Science, Universiti Teknologi MARA (UiTM) 40450 Shah Alam, Selangor, Malaysia
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Alternative Email	Noorhidayah17@gmail.com
Position (Current)	1. Senior Lecturer (DM52) Faculty of Applied Chemistry 2. Associate Member (Researcher) Institute of Science (IOS)
Address Laboratory	Institute of Science, Centre of Chemical Synthesis & Polymer Technology, Level 9, FSK 2,3,4, Universiti Teknologi MARA, UiTM Puncak Alam Campus, 42300 Bandar Puncak Alam, Selangor, Malaysia
IOS Website	www.ios.uitm.edu.my
Field of Expertise	Organic Synthesis (synthetic/chemical exploration), Natural Products Synthesis, Analytical Chemistry & Instrumentations

ACADEMIC QUALIFICATIONS

Doctor of Philosophy (PhD) in Organic Chemistry (2019),

Universiti Teknologi MARA(UiTM), Malaysia.

Title Thesis:

“Chemical Studies Towards The Total Synthesis of Pachydermin and Bioactive Metabolites Derived From *Chamonixia pachydermis*”

Master of Science (Msc) in Analytical Chemistry and Instrumentation (2009),

University of Malaya (UM), Malaysia.

Title Thesis:

“Chemical Constituents from Selected Malaysian Rubiaceae (*Mitragyna Speciosa*)”

Bachelor of science (BSc) in Applied Chemistry (2006),

Universiti Teknologi MARA(UiTM), Malaysia.

Title Thesis:

“Alkaloids from Malaysian *Uncaria Callophylla*”

RESEARCH BACKGROUND

Fields of specialization : Organic synthesis

Number of years of experience : 5 years (Organic synthesis)
5 years (Organic Chemistry I & II)

Research Interests

Syntheses of nitrogen heterocycles with pyrrolidine ring system; syntheses of derivatives and intermediates of pachydermin using different chemical reaction; synthetic/chemical exploration; natural products synthesis; bioassay (antibacterial and anti-quorum sensing activities), natural product, analytical chemistry & instrumentation.

TEACHING AND EDUCATION

NO	CODE COURSE	DEPARTMENT	YEAR
1	CHM557 Organic Chemistry II	School of Chemistry and Environment, Faculty of Applied Science, UiTM Shah Alam, Selangor, Malaysia.	2017-current
2	CHM624 Advanced Organic Chemistry (Lab)	School of Chemistry and Environment, Faculty of Applied Science, UiTM Shah Alam, Selangor, Malaysia.	2019-curent
3	CHM420 General Chemistry	School of Chemistry and Environment, Faculty of Applied Science, UiTM Shah Alam, Selangor, Malaysia.	2019
4	CHM457 Organic Chemistry I	School of Chemistry and Environment, Faculty of Applied Science, Campus Kuala Pilah UiTM N. Sembilan, Malaysia.	2017-2019
5	CHM260 Analytical Chemistry & Instrumentation	School of Chemistry and Environment, Faculty of Applied Science, Campus Kuala Pilah UiTM N. Sembilan, Malaysia.	2012-2014
6	CHM207 Organic Chemistsry	School of Chemistry and Environment, Faculty of Applied Science, Campus Kuala Pilah UiTM N. Sembilan, Malaysia.	2010-2014
7	CHM108 Basic Chemistry	School of Chemistry and Environment, Faculty of Applied Science, Campus Kuala Pilah UiTM N. Sembilan, Malaysia.	2009-2014

PROFESSIONAL MEMBERSHIP

1. Associate Member (Researcher) of Institute Of Science (IOS),
Centre of Chemical Synthesis and Polymer Technology (CCSPT) (2019-present).
2. Member of the Malaysian Analytical Sciences Society (ANALIS) (2019-present).
3. Member of the Malaysian Natural Products Society (MNPS) (2020-present).

AWARD

1. Scholarship Young Lecturer Scheme or Tenaga Pengajar Muda (TPM), 2008.
2. Scholarship of Academic Staff UiTM, 2014.
3. Best Oral Presenter in the 34th International Conference on Natural Products (ICNP 2018).
4. Bronze Award in Melaka International Intellectual Exposition 2019 (MiiEX 2019).
5. Bronze Award in International Jasin Multimedia & Computer Science Invention, Innovation & Exhibition (i-JaMCSIIX 2020).
6. Gold Award, 3rd Digitalised International, Invention, Innovation and Design Johor (DIID 2020).
7. Gold Award, 5th International Innovation, Design and Articulation (i-IDEA 2020) - 2nd Multimedia Innovation Competition (MICom 2020).
8. Silver Award, Innovative Teaching and Learning (InTeLeC 2020).
9. Silver Award, 9th International Invention, Innovation and Design (INDES 2020).
10. Silver Award, Invention Innovation and Design Exposition (IIDEX 2020).
11. Gold Award, International Innovation, Invention and Design Competition (ICON 2020).
- 12 Gold Award, World innovative Science Project Olympiad (WISPO 2020)

RESEARCH FUNDINGS

NATIONAL:

NO	RESEARCH PROJECT	SOURCE	TOTAL FUNDS	START	END
1	Efficient Synthesis of an Anticancer Agent, Quinolactacin B and Its Derivatives via Key Pyrrolidinedione Intermediate with Exocyclic Double Bond	FRGS, MOHE	RM 81,200 Co-Researcher	2018	2021
2	Synthesis of Daibucarboline A and Its Derivatives as Anti-Inflammatory Agents	FRGS, MOHE	RM 82,200 Principle	2019	2021

3	Plant-mediated silver nanoparticles using Sambau extract for antivirus activity: An exploration metallodrugs	FRGS, MOHE	RM 85,000 Co-Researcher	2019	2021
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UNIVERSITY:

NO	RESEARCH PROJECT	SOURCE	TOTAL FUNDS	START	END
1	Chemical Profiling and Antiviral activity of Essential Oils and Crude Extract of Curcuma Species.	LESTARI COVID 19	RM20,000 Member	2020	2021
2	Comparative Study of Potassium salt-Loaded MgAl Hydrotalcites Catalyst for The Synthesis of 5-Arylidene Meldrum's Acid Derivatives via Knoevenagel Condensation with Different Amine & Benzaldehyde Groups.	IIUM, UMP & UiTM	RM20,000 Project Leader	2021	2022

PRIVATE SECTOR/INDUSTRIAL:

NO	RESEARCH PROJECT	SOURCE	TOTAL FUNDS	START	END
1	Development of High Temperature Green Stimulated Fluid	UiTM- PETRONAS	RM645,000.00 Member	2020	2023

PUBLICATIONS

Selected publications (international/national refereed journal):

1. **Noor Hidayah Pungot, Pungot, N.H** and Nur Syafiqah Atikah Nazaharuddin, **2020**. "Phytochemical Screening, Total Phenolic Content and Antioxidant Activity of Leaf Extract of *Muntingia calabura*". *Malaysian Institute of Chemistry (MJChem2020)*, 22 (3), 69-75.
2. **Noor Hidayah Pungot, Pungot, N.H**, Nurul Auni Zainal Abidin and Nur Syafiqah Atikah Nazaharuddin, **2020**. "Potential of Malaysian Cherry Leaves (*Muntingia calabura*) as an Antioxidant Agent". *Science Letters*, 14 (2), 103-109.
2. **Noor Hidayah Pungot, Pungot, N.H**, Zurina Shaameri, Ahmad Sazali Hamzah, Mohd

Fazli Mohammat, Noorhana Hussain, **2017**, “Synthesis of 3-Methyl-5-Nitrobenzyl β,β -Diketoester as a Derivative of Pachydermin, a Tetramic Acid from *Chamonixia pachydermis*”, *Journal of Sustainability Science and Management*, 12(2), 1-7.

Proceedings Paper:

1. Ropisah Bt Me, Rashidah Binti Ibrahim, Alice Shanti A/P Kasawi @ Krisnan, **Noor Hidayah Pungot, 2020**. “Role Of Plant's Metabolites In The Biomimetic Synthesis Of Plant-mediated Silver Nanoparticles: A Review Study”. *3rd ASNet International Multidisciplinary Academic Conference (AIMAC2020)*, 59.
2. **Noor Hidayah Pungot, Pungot, N.H**, Nur Nazihah Shamsuri, Nor Akmalazura Binti Jani, Najwa Amira Mohamad Latif, **2020**. “Phytochemical Screening, Total Phenolic Content and Antioxidant Activity of Leaves Extracts from *Mangifera Indica l. cv. apple*”. *International Jasin Multimedia & Computer ScienceInvention & innovation Exhibition (i-JaMCSIX2020)*,3(1),109-112.
3. Nur Rasyida Binti Mohd Rashid, Bushra Binti Abdul Halim, **Noor Hidayah Pungot, Pungot, N.H**, A. Abdullah, Sharfizie , **2020**. “Zero-One Goal (ZOGP) programming for supplier selection. *3rd Digitalised International Invention, Innovation and Design Johor (DIID2020)*, 8.
4. Nor Akmalazura Jani, Norliza Dzakaria, **Noor Hidayah Pungot**, and Hasnah Mohd. Sirat, **2011**. “Composition of the Essential Oils of *Etingera Sphaerocephala* (Baker) C. K. Lim”, *Universiti Malaysia Terengganu 10th International Annual Symposium*, (UMTAS 2011), 235-239.

Chapter in Research Book & Chapters in Book:

1. **Noor Hidayah Pungot, Pungot, N.H**, Nurul Auni Zainal Abidin, Nur Nadia Dzulkifli and Nur Syafiqah Atikah Nazaharuddin, **2020**. “Chapter 10: e-Book: Mind Map of Natural Product (Phytochemical)”. *Innovation Insider Virtual Innovation Competition (VIC2020)*.

Monograph:

1. Nor Akmalazura Jani, **Noor Hidayah Pungot**, Hasratul Nadiah Mohd Rashid, Rohaiza Saat and Siti Mazleena Mohamed, **2019**. “Preliminary Study on the Phytochemical Screening and Antioxidant Activity of Banana Peel for Cosmeceutical Application”. *Melaka International Intellectual Exhibition (MiiEX 2019)*, 155-156.

SUPERVISIONS

ON-GOING POSTGRADUATE (RESEARCH) SUPERVISION

NO	CANDIDATE	TITLE	YEAR ENROLLED	YEAR END
1	Nur Ain Nabilah Binti Ash'Ari	Synthesis of daibucarboline A Derivatives Via tetrahydro-B-Carboline Intermediate	2020	2023

FINAL YEAR PROJECT (RESEARCH) SUPERVISION

NO	CANDIDATE	TITLE	YEAR ENROLLED	YEAR END
1	Hasnita Binti Abdul Talib BSc (Hons) Chemistry, Faculty of Applied Sciences	Phytochemical Screening, Total Phenolic Content and Antioxidant Activity of <i>Artocarpus heterophyllus</i> and <i>A. altilis</i>	2017	2018
2	Nur Syafiqah Atikah bt Nazaharuddin BSc (Hons) Chemistry, Faculty of Applied Sciences	Phytochemical Screening, Total Phenolic Content and Antioxidant Activity of <i>Muntingia calabura</i>	2017	2018
3	Nor Atiqah Ismail BSc (Hons) Chemistry, Faculty of Applied Sciences	Total Synthesis of N-Benzyl β,β -diketoester and Its Derivatives	2017	2018
4	Najwa Amira Binti Mohamad Latif BSc (Hons) Chemistry, Faculty of Applied Sciences	Synthesis of Chalcone and Its Derivatives	2019	2019
5	Ahmad Aruna Bin Mohd BSc (Hons) Chemistry, Faculty of Applied Sciences	Phytochemical Screening and Biological activities of <i>Mimosa Pudica</i> L.	2019	2019
6	Nur Nazihah Binti Shamsuri	Phytochemical and Antioxidant Activities of mango <i>Mangifera Indica</i> L.CV. Apple	2019	2019

	BSc (Hons) Chemistry, Faculty of Applied Sciences			
7	Sarah Dayana Binti Shamsul Bahri BSc (Hons) Chemistry, Faculty of Applied Sciences	Synthesis of Acyl Tetramic Acid and Its Analogues	2019	2020
8	Adryana izzati Binti M Adnan BSc (Hons) Chemistry, Faculty of Applied Sciences	One Pot Synthesis of Isopropylidene Malonate and Its Derivatives	2019	2020
9	Nurul Akmalina Binti Sapaat BSc (Hons) Chemistry, Faculty of Applied Sciences	Qualitative and Quantitative Ohytochemical Analysis and Antioxidant Activity of Areca Actechu Nut Husk	2019	2020
10	Munirah Binti Zulkifli BSc (Hons) Applied Chemistry, Faculty of Applied Sciences	Synthesis of 5-Benzylpyrrolidine-2,4- dione and its DerivativesS	2020	In progress
11	Mohamad shakirin Bin Noderi BSc (Hons) Forensic Chemistry, Faculty of Applied Sciences	Efficient Synthesis and Acylation of Tetramic Acid	2020	In progress
12	Sharifah Nurin zafirah Binti Syed Abd Halim BSc (Hons) Forensic Chemistry, Faculty of Applied Sciences	Short Synthesis of 4-Hydroxy Pyrrolidine-2-One From Tetramic Acid	2020	In progress

Conferences/ Poster/ Exposition

1. Asian Confetence of Technology, Science and Innovation 2019 (SymPAC2019), Participant
2. International Conferences of Organic Synthesis 2019 (ICOS 2019), Presenter.
3. Virtual Symposium On sciences 2020 (VSOS 2020), Participant.

Other Services of Expertise

Reviewer:

NO	NAME OF JOURNAL	TITLE	YEAR	LEVEL
1	Malaysian Journal of Chemistry (MJChem) [International Conferences of Organic Synthesis 2019 (ICOS 2019)]	Anti-Amoebic Activity of Eugenol Derivatives Against <i>Acanthamoeba castellanii</i>	2020	International
2	Malaysian Journal of Chemistry (MJChem) [International Conferences of Organic Synthesis 2019 (ICOS 2019)]	Synthesis of a New Pentalongin Derivative and its Saturated Analogue	2020	International
3	Science Letters Faculty of Sciences, UiTM	A Review: In Vitro Anti-Collagenase Activity and Total Phenolic Content for Five Selected Herbs	2020	National

Jury for Innovation Competition:

NO	NAME OF COMPETITION	YEAR	LEVEL
1	Final Year Project & Postgraduate Poster Competition (FYPPPC) Series 1/2020	2020	International
2	International Innovation Competition INNOCOM-VIRTUAL 2020.	2020	International
3	Project Video/Innovation Ideas International Science and social Science Competition (ISIC II 2020)	2020	International
4	e-Malaysia Speaking Minds Competition 2020 (e-MSMC 2020)	2020	National

Speaker:

NO	NAME OF PROGRAMMES	YEAR	LEVEL
1	Program Stay safe Online-Research Webinar Series 2.0.	2020	National

Community Service:

NO	NAME OF EVENT	YEAR	LEVEL
1	AJK Secretariat for International Conferences of Organic Synthesis 2019 (ICOS 2019).	2019	International
2	Secretary, IUPAC Global Breakfast 2020.	2020	International

SPORTS

1. Flash Run (5 KM) – University (2019)
2. ACES Virtual Run (5 KM) – University (2020)
3. SCORE Step Walk Run Malaysia (5 KM) – National (2020)
4. ECO-MUD Virtual Run (7 KM) – University (2020)

CAREER HISTORY

1. Senior Lecturer of Chemistry
School of Chemistry and Environment, Faculty of Applied Science,
UiTM Shah Alam, Selangor, Malaysia.
2019-current
2. Associate Member IOS
Centre of Chemical Synthesis & Polymer Technology (CCSPT)
UiTM Puncak Alam, Bandar Puncak Alam, Selangor, Malaysia.
2019-current
3. Lecturer of Chemistry
School of Chemistry and Environment, Faculty of Applied Science,
UiTM Negeri Sembilan, Campus Kuala Pilah, Negeri Sembilan, Malaysia.
2009-2019

4. Executive Officer (Chemicals for Detergent)
Southern Lion Sdn Bhd, Taman Daya, Johor Bahru, Johor, Malaysia.
2007-2008

SOCIAL MEDIA

YOUTUBE CHANNEL:

(<https://www.youtube.com/channel/UCb0KvLY5jLps1hvDZsoHQVQ/>)



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REFEREE

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