

CURRICULUM VITAE

PERSONAL DETAILS

NURSYAMSYILA MAT HADZIR

SCHOOL OF CHEMISTRY AND ENVIRONMENTAL STUDIES
FACULTY OF APPLIED SCIENCES
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CURRENT DESIGNATION

SENIOR LECTURER

BACKGROUND

a) Personal

She was born on 26th December 1974 in Kangar, Perlis.

b) Academic

Dr Nursyamsyila received her first degree from Universiti Putra Malaysia in 1998. In the same year, she pursued her MSc (Oleochemistry) at the same university. In 2013, she obtained her Ph.D degree (Oleochemistry) also from Universiti Putra Malaysia.

c) Research Interest

Drug delivery, nanoparticles and enzyme technology

d) Supervision

Postgraduate

Currently, she is co-supervising one MSc student and one PhD student.
She had supervised one MSc student (graduated in 2019)

Undergraduate

Currently, she is supervising 6 students from BSc (Hons.) Chemistry and BSc (Hons.) Applied Chemistry programmes.

She supervised more than 50 students for their Final Year Projects from Diploma and BSc degree programmes since 2002 – 2019

e) Reviewer and Examiner

She served as manuscripts' reviewer for national and international journals.

She served as Internal Examiner for two MSc students.

f) Administration posts / committee

a) Deputy Chairman for *Jawatankuasa NOBLE, Fakulti Sains Gunaan*

- involved and assisted all programmes at the faculty level in preparing documents for Full Accreditation (MQA-02) by Malaysia Qualifications Agency (MQA); 2017
- involved and assisted in preparing documents for Curriculum Review of Bachelor Science (Hons.) Chemistry (Forensic Analysis) – AS253; 2017-2018
- involved and assisted *Pusat Pengajian Siswazah, Fakulti Sains Gunaan* in preparing documents for *Audit Pematuhan IQA-04*; 2020
- OBE Auditor (*Jadual Spesifikasi Ujian, JSU*) for Final Examination Questions for School of Chemistry and Environmental Studies.

b) Chairman for *Jawatankuasa Pengendalian Peperiksaan, Fakulti Sains Gunaan*

c) Internal Auditor for *Jawatankuasa Audit Dalam, Fakulti Sains Gunaan* (obtained the ISO 9001:2008 certificate in 2014; attended iQMS workshop for ISO 9001:2015 on 21 – 23 September 2020)

PUBLICATIONS

- a) Wan Nazihah Wan Ibrahim, Mohd Marsin Sanagi, Nor Suhaila Mohammad Hanapi, **Nursyamsyila Mat Hadzir**, Noorfatimah Yahaya, Sazlinda Kamaruzaman (2020) Agarose-Chitosan-Integrated Multiwalled Carbon Nanotubes Film Solid Phase Microextraction Combined With High Performance Liquid Chromatography For The Determination Of Tricyclic Antidepressant Drugs In Aqueous Samples. *Malaysian Journal of Analytical Science*, 24(1), 33-41
- b) Amin Yusof, N., **Mat Hadzir, N.** and Ashari, S. E., Hanapi, N. S. M. and Hamid, R. D. (2019) Optimization of Enzymatic Synthesis of Betulinic Acid Amide in Organic Solvent by Response Surface Methodology. *Indonesian Journal of Chemistry*, 19(4), 849-857
- c) Miskellyb, G. M., Swedlund, P. J., Hamid, R. S., **Hadzir, N. M.**, Hanapi, N. S. M. (2018) From Swollen Gels To Dried Films: Relating The IR Spectra Of Ferrihydrite Dried As Film On An ATRIR Crystal To Aqueous Suspensions. *Applied Geochemistry*, 91, 89
- d) Amin Yusof, N., **Mat Hadzir, N.** and Ashari, S. E. (2016) Identification and Optimisation of Lipase-Catalysed Synthesis of Betulinic Acid Amide in a Solvent System. *Journal of Applied Chemistry*. Volume 2016 (2016), Article ID 5149326, <http://dx.doi.org/10.1155/2016/5149326>

- e) Nor Suhaila Binti Mohamad Hanapi, Sanagi, Nor'ashikin Binti Saim, Wan Nazihah Binti Wan Ibrahim, **Nursyamsyila Binti Mat Hadzir**, (2016) Ionic Liquid As Supported Liquid Membrane For Determination Of Antidepressants From River Water, Indian Journal Of Science And Technology, Indian Society of Education and Environment, 9(1)

RESEARCH GRANTS

- a) Assessment of Total Phenolic and Flavonoid Content of Pineapple Waste Extracted by Choline Chloride Based Natural Deep Eutectic Solvents (NADES). Start date: 1st July 2020; Completion date: 30th June 2020; Role: Member
- b) Study on the occurrence of pharmaceuticals in selected Klang River tributaries. Start date: 1st July 2017; Completion date: 30th June 2019; Role: Member
- c) Optimization of enzymatic synthesis of palm oil wax esters in a solvent-free system using response Surface Methodology. Start date: 1st July 2017; Completion date: 30th December 2019; Role: Member
- d) Green synthesis of betulinic acid amide for anti-cancer drug. Start date: 1st September 2016; Completion date: 31st August 2018; Role: Member
- e) Alginate/chitosan incorporated with multi-walled carbon nanotubes as new solid phase extraction sorbent for rapid and efficient separation of a wide polarity of drugs. Start date: 1st April 2016; Completion date: 30th September 2018; Role: Member
- f) Kinetic growth oral bacteria characterization of yeast extract compound from local tissue culture *Orthosiphon staminus*. Start date: 1st December 2015; Completion date: 30th May 2018; Role: Leader
- g) Effect of the Au particle size on catalytic activity of Au-grafted nanoporous Aluminum oxide. Start date: 15th September 2013; Completion date: 14th March 2016; Role: Member

AWARD

- a) Excellent Service Award, UiTM 2007