

Dr Nurul Shafiqah binti Hashim

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General Description

- Creative and proactive in conducting scientific researches and studies.
- Experienced and capable in working independently as well as in research teams.
- Highly motivated in achieving objectives and places emphasis in meeting deadlines.
- Adopts a zero-compromise approach and values accurate and reliable data collection and analyses.
- Experienced in assisting the supervision of BSc. and MSc. candidates in scientific discourses.
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Education

2013 – 2016

Doctor of Philosophy (Biotechnology)

Universiti Sains Malaysia

Identification of bioactive phenolic compounds from plants traditionally used to treat microbial skin infections.

2011 – 2013

Master of Science (Biotechnology)

Universiti Sains Malaysia

Antioxidant and antimicrobial activities of extracts from selected *Baccaurea* species.

2006 – 2010

Bachelor of Biotechnology

International Islamic University Malaysia

Characterisation and functional analysis of a latex-specific promoter HevP-1(323 bp) of *Hevea brasiliensis*. CGPA: 3.39

Fields of Expertise

- Microbiology
- Natural products
- Plant biotechnology
- Food Biotechnology
- Biochemistry

Fellowships and Awards

2023	Satisfactory Achievement Award 2023
2022	Outstanding Achievement Award 2022
2014 – 2016	MyBrain15 Scholarship (Awarded by the Education Ministry of Malaysia)
2011 – 2013	Graduate Assistant scheme

Skills

Languages

- Adept in written and spoken English and Bahasa Malaysia.

IT

- Sufficient knowledge in the operations of Microsoft Word, Microsoft Excel and Microsoft PowerPoint as well as in data processing and statistical software such as SPSS and Prism.

Communications

- Collaborated closely with research colleagues, departmental staff and external contacts in scientific studies.
- Experienced in instructing and supervising BSc. and MSc. students from diverse backgrounds.
- Delivered presentations and relayed scientific information to academic and general audiences.

Working and Teaching Experiences

Feb 2024 - Now	HOD New Product Coordinator & Performance Aafiyat Marketing Sdn Bhd
June 2023 – Jan 2024	HOD Aafiyat Academy Aafiyat Academy, OHR Marketing
Aug 2021 – May 2023	Product Management Exec Aafiyat Store Sdn Bhd, OHR Marketing
Oct 2020 – April 2021	Marketing Executive Haliza Industries Sdn Bhd
Aug 2020 – Oct 2020	Research Officer NHMS Programme under KKM
Feb 2018 – Feb 2020	F&B Executive Syarikat Tandang Sari Sdn Bhd
April 2017 – Jan 2018	Administration Rangkaian Kismis (Company Stationery)
May 2013 – Sept 2013	Research Officer School of Biological Sciences, USM.
Nov 2012 – Apr 2013	Assistant Research Officer School of Biological Sciences, USM.

Mar 2012 – June 2012	Graduate Assistant School of Biological Sciences, USM. Conducted undergraduate classes 3 hours per week.
Jan 2012 – Mar 2012	Research Officer School of Biological Sciences, USM.
Sept 2011 – Feb 2012	Graduate Assistant School of Biological Sciences, USM. Conducted undergraduate classes 3 hours per week.
Mar 2011 – Aug 2011	Research Assistant School of Biological Sciences, USM.

Publications

Chidan Kumar, C.S., Then, L.Y., Chia, T.S., Chandraju, S., Win, Y.-F., Sulaiman, S.F., **Hashim, N.S.**, Ooi, K.L., Quah, C.K., Fun, H.-K. (2015). Benzofuranyl esters: synthesis, crystal structure determination, antimicrobial and antioxidant activities. *Molecules*, 20:16566-16581.

Thanigaimani, K., Arshad, S., Che Khalib, N., Abdul Razak, I., Arunagiri, C., Subashini, A., Sulaiman, S.F., **Hashim, N.S.**, Ooi, K.L. (2015). A new chalcone structure of (E)-1-(4-Bromophenyl)-3-(naphthalen-2-yl)prop-2-en-1-one: synthesis, structural characterizations, quantum chemical investigations and biological evaluations. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 149:90-102.

Zainuri, D.A., Arshad, S., Khalib, N.C., Razak, I.A., Pillai, R.R., Sulaiman, S.F., **Hashim, N.S.**, Ooi, K.L., Armaković, S., Armaković, S.J., Panicker, C.Y., Van Alsenoy, C. (2017). Synthesis, XRD crystal structure, spectroscopic characterization (FT-IR, ¹H and ¹³C NMR), DFT studies, chemical reactivity and bond dissociation energy studies using molecular dynamics simulations and evaluation of antimicrobial and antioxidant activities of a novel chalcone derivative, (E)-1-(4-bromophenyl)-3-(4-iodophenyl)prop-2-en-1-one. *Journal of Molecular Structure*, 520 – 533.

Arshad, S., Zainuri, D.A., Khalib, N.C., Thanigaimani, K., Rosli, M.M., Razak, I.A., Sulaiman, S.F., **Hashim, N.S.**, Ooi, K.L. (2018). Structural, spectroscopic properties and theoretical studies of (E)-1-(4-Bromophenyl)-3-(2,3,4-trimethoxyphenyl)prop-2-en-1-one as a potential anti-oxidant agent. *Molecular Crystals and Liquid Crystals*, 1: 218-240.

Then, L.Y., Kwong, H.C., Quah, C.K., Chidan Kumar, C.S., Chia, T.S., Wong, Q.A., Chandraju, S., Karthick, T., Win, Y.-F., Sulaiman, S.F., **Hashim, N.S.**, Ooi, K.L. (2018). Tyrosinase inhibition potency of phthalimide derivatives: Crystal structure, Hirshfeld surface analysis and molecular docking studies. *Zeitschrift für Kristallographie - Crystalline Materials*. In Press.

Conferences Attended

Hashim, N.S., Sulaiman, S.F., Ahmad, R., Ooi, K.L. (2011). Determination of antioxidant activities of different extracts of *Baccaurea motleyana* and *Baccaurea macrocarpa*. International Conference on Traditional Medicine (29th – 30th November 2011).

Hashim, N.S., Rosma, A., Sulaiman, S.F. (2012). Antimicrobial guided fractionation of phenolic compounds from *Baccaurea motleyana*. The 2nd Annual International Conference in conjunction with The 8th IMT-GT UNINET Bioscience Conference (22nd-24th November 2012).

Hashim, N.S., Sulaiman, S.F. (2016). Antimicrobial activities of plants that are traditionally used to treat skin diseases. International Conference on Natural Products 2016 (15th – 17th March 2016).

Academic Referees

1. Professor Dr. Shaida Fariza Sulaiman
School of Biological Sciences,
Universiti Sains Malaysia, 11800
Minden, Pulau Pinang,
Malaysia.
Phone: +604-6534095
E-mail Address: shaida@usm.my
2. Dr. Nor Hawani Salikin
School of Technology Indusrtly
Universiti Sains Malaysia, 11800
Minden, Pulau Pinang,
Malaysia.
Phone: +604-6532241
E-mail Address: norhawani@usm.my

Industrial Referees

1. Kapt Nasir Md Zain
Chairman
Syarikat Tandang Sari Sdn Bhd
Kuching, Malaysia.
Phone: +6019-8891058
2. Hazrati Alias
Head of Operation
Aafiyat Store Sdn Bhd
OHR Marketing
Phone: +6017-435 5372