



Dr. Ahmad Nazif Aziz

Lecturer
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QUALIFICATIONS

- Doctor of Philosophy (Natural Products Chemistry), Universiti Teknologi Mara
- Master of Science (Natural Products Chemistry), University of Malaya
- Bachelor of Science (Applied Chemistry), University of Malaya

FIELD OF RESEARCH

- Organic chemistry
- Natural Products Chemistry
- Drug Discovery

RESEARCH INTEREST

His main research interest is in the field of natural products chemistry, in search for new lead compounds from terrestrial plants. The scope of his work include the isolation and purification of natural compounds, chemical profiling of essential oils and absolute configuration study *via* chiroptical techniques e.g. circular dichroism. He is currently looking on the anti-diabetic properties of the polyketides from *Endiandra* species (Lauraceae) and the chemical principles of the stingless bee's propolis.

RESEARCH PROJECTS

- The mechanistic approach of *in vitro* and *in vivo* activities of ethanolic extract and cyclic polyketides from *Endiandra kingiana* (Lauraceae) as potential anti-diabetic agents.
- Chemical Constituents of Rare Malaysian *Croton* Species
- Determination of Bioactive Compound from Malaysian Plant *Euphorbia milii* (euphorbiaceae)

PROFFESIONAL MEMBERSHIP

- Malaysian Natural Products Society (Lifetime member)

GRANTS

Project : The mechanistic approach of in vitro and in vivo activities of ethanolic extract and cyclic polyketides from *Endiandra kingiana* (Lauraceae) as potential anti-diabetic agents.

Position : Principal Investigator

Grant Name : Fundamental Research Grant Scheme (FRGS)

Status : Active

Amount : RM141600.00

Project : Determination of Bioactive Compound from Malaysian Plant *Euphorbia milii* (euphorbiaceae)

Position : Co-researcher

Grant Name : Talent and Publication Enhancement-Research Grant (**TAPE-RG**)

Status : Completed

Amount : RM20000.00

Project : Chemical Constituents of Rare Malaysian *Croton* Species

Position : Co-researcher

Grant Name : Exploratory Research Grant Scheme (ERGS)

Status : Completed

Amount : RM89200.00

AWARDS

- Bronze medal in Invention Innovation & Design Exposition 2014 (IIDEX2014). Project title: "Determination of Absolute configuration of clerodane-type diterpenes using Experimental and theoretical Electronic Circular Dichroism techniques"
- Bronze medal in Pertandingan Amalan Inovasi Pengajaran dan Pembelajaran (AIPP 2018). Project title: "Incorporation of Brainteaser Game in Basic Organic Chemistry Course to Enhance Students Attitude and Academic Achievement"
- Silver medal in Pertandingan Amalan Inovasi Pengajaran dan Pembelajaran (AIPP 2020), UMT. Project title: "O'Chem1.0"
- Silver medal in Minggu penyelidikan dan inovasi (MPI) 2020, TATIUC. Project title: "A-GE: Anti-gout from *Euphorbia milii*"

PUBLICATIONS

Journal Article

1. Aziz, A. N., Ismail, N. H., Halim, A., Nadiah, S., Loo, C. Y., El Hassane, A., Langat, M. K., Mulholland, D., Awang, K. (2018). Laevifins A-G, Clerodane Diterpenoids from the Bark of *Croton oblongus* Burm. f. *Phytochemistry* 156, 193-200.
2. Mutalib, N.S.A.A., Yusuf, N., Asari, A., Aziz, A. N. and Wahab, N. H. A. (2020). Qualitative and quantitative of phytochemical analysis of Malaysian *Euphorbia milii* (Euphorbiaceae) and its antioxidant activities. *Malaysian Applied Biology Journal*, 49(4), 233-239.
3. Aziz, A. N., Taha, M., Ismail, N. H., Anouar, E. H., Yousuf, S., Jamil, W., Awang, K., Ahmat, N., Khan, K. M., Kashif, S. M., (2014). Synthesis, crystal structure, DFT studies and evaluation of the antioxidant activity of 3, 4-dimethoxybenzenamine Schiff bases. *Molecules* 19, 8414-8433.
4. Aziz, A. N., Ibrahim, H., Rosmy Syamsir, D., Mohtar, M., Vejayan, J., Awang, K., 2013. Antimicrobial compounds from *Alpinia conchigera*. *Journal of Ethnopharmacology* 145, 798-802.

Other Outputs

[Thesis, manuscript, books, reports, etc.]

1. Ahmad Nazif bin Aziz (2018). Chemical Constituents of *Croton laevifolius* Blume Bark. Ph.D. Thesis, Universiti Teknologi Mara, Shah Alam.
2. Ahmad Nazif bin Aziz (2018). Chemical Constituents and Biological Activities of *Alpinia conchigera*. M.Sc. thesis, Universiti Malaya, Kuala Lumpur.
3. Halijah Ibrahim, Khalijah Awang, Nor Azah Mohamad Ali, Sri Nurestri Abd. Malek, Ibrahim Jantan, Devi Rosmy Syamsir, Norsita Tohar and Ahmad Nazif Aziz (2008). Selected Malaysian Aromatic Plants and Their Essential Oil components. Penerbit Fakulti Sains, Universiti Malaya, Kuala Lumpur. (ISBN: 978-967-5148-11-8).

SUPERVISION

Doctor of Philosophy Degree

Thesis Title : Characterization of Propolis Compounds from *Geniotrigona Thoracica* and Evaluation of Antifungal Activity for Postharvest Management.

Student Name : Ainur Awanis binti Mohd Badiazaman (SL2794)

Role : Co-supervisor

Status : Ongoing

Thesis Title : Investigation on propolis extracts and its bioactive compounds as anti-uterine fibroid potential.

Student Name : Aulia Rani Annisava (SI1930)

Role : Co-supervisor

Status : Ongoing

Master Degree

Thesis Title : Chemical Isolation of *Endiandra kingiana* (Lauraceae) and Its Anti-Diabetic Activity

Student Name : Nurul Najihah Husna binti Ahmad Tanazi (P4265)

Role : Main Supervisor

Status : Ongoing

COURSE TAUGHT

- KIM3202 Carbonyl Compounds chemistry
- KIM4201 Natural products Chemistry
- KIM3200 Basic Organic Chemistry
- KIM3201 Mechanisms in Organic Chemistry

LINKS

- SCOPUS 56049095000
- WoS Ahmad Nazif Aziz
- Researchgate Ahmad_Nazif_Aziz2
- Academia.edu Ahmad Nazif Aziz
- LinkedIn Ahmad Nazif Aziz
- ORCID <https://orcid.org/0000-0001-8816-2626>
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