

NURZIANA BINTI NGAH



- KULLIYAH OF SCIENCE
- IIUM Kuantan Campus
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ACADEMIC QUALIFICATION

- Doctor of Philosophy (Chemistry)
- Master of Science (Chemistry)
- Bachelor in Chemistry
- Matriculation

TEACHING RESPONSIBILITIES

ANALYTICAL METHODS FOR FUNCTIONAL FOODS AND NUTRACEUTICALS	2008/2009 2009/2010 2010/2011
CHEMISTRY OF FATS AND OILS	2015/2016 2016/2017 2017/2018 2019/2020
ENVIRONMENTAL CHEMISTRY	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
FINAL YEAR PROJECT	2008/2009 2009/2010 2010/2011
FLAVOURS AND FRAGRANCES	2019/2020 2020/2021
GOOD LABORATORY PRACTICE	2016/2017 2017/2018 2018/2019 2020/2021
HALAL FOODS AND RELATED PRODUCTS	2020/2021
INORGANIC CHEMISTRY I	2016/2017 2017/2018 2018/2019 2019/2020
INORGANIC CHEMISTRY II	2019/2020 2020/2021
ORGANIC CHEMISTRY	2008/2009 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014
ORGANIC CHEMISTRY I	2013/2014 2014/2015
ORGANIC CHEMISTRY II	2013/2014 2014/2015
ORGANOMETALLIC & BIOINORGANIC CHEMISTRY	2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
PROJECT SEMINAR	2008/2009 2015/2016
RESEARCH METHODOLOGY	2017/2018

RESEARCH PROJECTS

In Progress

2014 - Present

Design, Synthesis and Characterization of 2,4-Disubstituted-1,3 Thiazole Amino Acid Derivatives towards its Applications on Antimicrobial and Antioxidant Activities

Completed

2014 - 2018

Design, Synthesis and Characterization of 2,4-Disubstituted-1,3 Thiazole Amino Acid Derivatives towards its Applications on Antimicrobial and Antioxidant Activities

2014 - 2018

Design, Synthesis and Characterization of 2,4-Disubstituted-1,3 Thiazole Amino Acid Derivatives towards its Applications on Antimicrobial and Antioxidant Activities

2012 - 2013

To write and publish article journals in X-Ray Crystallographic Study

2012 - 2016

Synthesis and Ab-Initio Molecular Orbital Studies of Newly Schiff Base Amino Acid Derivatives

2012 - 2013

To write and publish article journals in X-Ray Crystallographic Study

2010 - 2014

Synthesis, Characterization and Structural Studies of Acylthiourea Carboxylic Acid Derivatives and their Metal Complexes and their Biological Activities

2010 - 2013

Bio transformation of Phytochemical Compounds from Malaysia Rainforest and Pakistani Plants for Pharmaceutical Purposes

2009 - 2011

Modification of Phytochemical and Phytoestrogen Compounds from Selected Plants in Pahang Rainforest.

2009 - 2011

Synthesis and Characterization of Acylthiourea Amino Acid Derivatives

2009 - 2012

Phytochemical and Galactagogue effects of banana flowers on milk production

PUBLICATIONS

Article

2020

[New 2,4,5-trisubstituted-1,3-thiazole derivatives: synthesis, in vitro antimicrobial activity and in silico study.](#) Jurnal Teknologi , 82 (2) pp.61-69

2019

[Synthesis and molecular docking of 2,4,5-trisubstituted- 1,3-thiazole derivatives as antibacterial agents = Sintesis dan penyatuan molekul terbitan 1,3-tiazol berpenggantian-2,4,5 sebagai agen antibakteria.](#) Malaysian Journal of Analytical Sciences , 23 (2) pp.237-246

2019

[Chemical and antibacterial data of synthesized thioureido derivatives.](#) Data in Brief , 27 pp.1-13

2019

[Synthesis, characterization and antibacterial screening of 3-hydroxy-2-\[3-\(2/3/4-methoxybenzoyl\) thioureido\] butyric acid.](#) International Journal of Chemical and Molecular Engineering , 13 (1) pp.1-4

- 2017** [Lactogenic effects of tannin and aglycone form of aqueous extract \(AFAE\) from Musa x paradisiaca flower on lactating rats..](#) Malaysian Applied Biology , 46 (3) pp.9-14
- 2017** [Lactogenic effects of tannin and aglycone form of aqueous extract \(AFAE\) from musa x paradisiaca flower on lactating rats.](#) Malaysian Applied Biology Journal , 46 (3) pp.9-14
- 2016** [Synthesis, Characterization and Antioxidant Activity of 2-Halobenzoyl Thiourea Bearing \$\alpha\$ - and \$\beta\$ -alanine.](#) Chiang Mai Journal of Science , 43 (3) pp.577-583
- 2016** [Synthesis, spectroscopic studies and antibacterial activity of new lauroyl thiourea amino acid derivatives.](#) Asian Journal of Chemistry , 28 (3) pp.596-600
- 2014** [3-\[3-\(2-Fluorobenzoyl\)thioureido\]propionic acid.](#) Acta Crystallographica Section E Structure Reports Online , E70 pp.o705 sup.1-o705 sup.6
- 2013** [Isolation of pigment-producing strain of Staphylococcus kloosii from the respiratory tree of Holothuria \(Mertensiothuria\) leucospilota \(Brandt, 1835\) from Malaysian waters.](#) Tropical Life Sciences Research , 24 (1) pp.85-100
- 2012** [2-Bromo-4-\(3,4-dimethyl-5-phenyl-1,3-oxazolidin-2-yl\)-6- methoxyphenol.](#) Acta Crystallographica Section E Structure Reports Online , 68 (1) pp.o35-o36
- 2012** [Ethyl 1-\(2-hydroxyethyl\)-2-\[2-\(methylsulfanyl\)ethyl\]-1H-benzimidazole-5-carboxylate.](#) Acta Crystallographica Section E Structure Reports Online , 68 (1) pp.o197-o198
- 2012** [Ethyl 1-\(2-hydroxyethyl\)-2-\(4-methoxyphenyl\)-1H-benzimidazole-5-carboxylate monohydrate.](#) Acta Crystallographica Section E Structure Reports Online , 68 (2) pp.o421
- 2012** [1-\(Biphenyl-4-ylcarbonyl\)-3-\(2-chloro-4-nitrophenyl\)thiourea.](#) Acta Crystallographica Section E Structure Reports Online , E68 (5) pp.o1485
- 2012** [1-\(4-Chlorobutanoyl\)-3-\(2-nitrophenyl\)thiourea.](#) Acta Crystallographica Section E Structure Reports Online , E68 (o1801) pp.o1801-1
- 2012** [1-\(4-Chlorobutanoyl\)-3-\(2-chlorophenyl\)thiourea.](#) Acta Crystallographica Section E Structure Reports Online , E68 (5) pp.o1536
- 2012** [2-sec-Butyl-1-\(2-hydroxyethyl\)-1H-benzimidazole-5-carboxylic acid.](#) Acta Crystallographica Section E Structure Reports Online , E68 (7) pp.o1995
- 2012** [Galactagogue effects on Musa x paradisiaca flower extract on the lactating rats.](#) Asian Pacific Journal of Tropical Medicine , 5 (11) pp.882-886
- 2011** [Ethyl 1-\(2-hydroxyethyl\)-2-propyl-1H-benzimidazole-5-carboxylate.](#) Acta Crystallographica Section E Structure Reports Online , 67 (10)
- 2011** [Phytochemicals constituent and antioxidant activities in Musa x paradisiaca flower.](#) European Journal of Scientific Research , 66 (2) pp.311-318
- 2011** [ethyl 1-sec-butyl-2-\(4-fluorophenyl\)-1H-benzimidazole-5-carboxylate.](#) Acta Crystallographica Section E Structure Reports Online (E67) pp.02938

2011 [Effects of bioactive constituents extracted from Musa x paradisiaca flower on milk production in Vivo.](#) International Journal of Evidence-Based Healthcare , 9 (3) pp.313-313

2011 [Ethyl 2-\(4-bromophenyl\)-1-sec-butyl-1H-benzimidazole-5-carboxylate.](#) Acta Crystallographica Section E Structure Reports Online , E67 pp.o3453-o3453

2011 [Ethyl 1-\(butan-2-yl\)-2-\(2-methoxyphenyl\)- 1H-benzimidazole-5-carboxylate.](#) Acta Crystallographica Section E Structure Reports Online , E67 pp.o3231 -o3232

Conference or Workshop Item

2018 [Synthesis and molecular docking of 2, 4, 5-trisubstituted-1,3-thiazole derivatives as antibacterial agents.](#) In: **International Conference on Analytical Sciences 2018 (SKAM31)**

2014 [Synthesis, characterization and antifungal activity of 4-Halobenzoylthiourea bearing \$\alpha\$ and \$\beta\$ - Alanine.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**

2014 [Synthesis, characterisation and antimicrobial activity of fluorobenzoylthioureas bearing a- and b-alanine.](#) In: **International Conference on Natural Products 2014 (ICNP 2014)**

2013 [Synthesis and antimicrobial activity of Halobenzoylthiourea Bearing alpha and beta alanine.](#) In: **26th Regional Symposium of Malaysia Analytical Sciences (SKAM26)**

2013 [Gram-positive bacteria with commercial potentials from the intestines of Holothuria \(Mertensiothuria\) leucospilota \(Brandt, 1835\) \(Timun laut\) and Stichopus horrens Selenka, 1867 \(Gamat\) from Malaysia.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2013**

2012 [The effect of diosgenin and condensed tannin in Musa x paradisiaca flower on rats milk composition and growth rate of suckling pups.](#) In: **IUM Research, Invention and Innovation Exhibition (IRIIE) 2012**

2012 [Elucidation of Pigment Biosynthetic Pathways – Towards Integration of Metabolomics, Metabolic Flux Analysis, and Metabolic Engineering.](#) In: **2012 IUM's 1st International Postgraduate Research Conference (IIPRC 2012)**

2011 [Effects of bioactive constituents in Musa x paradisiaca flower on milk production in vivo.](#) In: **The Second Euro-Med Conference- "Plant Natural Products: From Biodiversity to Bioindustry"**

2010 [Phytochemical screening and galactagogue of banana flower \(Musa x paradisiaca ABBB\) extract on lactating rats.](#) In: **3rd International Conference for Young Chemists 2010**

2010 [Phytochemical constituents and antioxidant activities of banana flower of Musa x paradisiaca.](#) In: **3rd International Conference on Advancement in Science and Technology (iCAST) 2010**

2010 [Galactagogue effects of banana flower extract on lactating rats.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**

2010 [Synthesis and structural studies of 2-\[3-\(4-methoxybenzoyl\) thioureido\]phenyl propionic acid and 2-\[3-\(4-methoxybenzoyl\) thioureido\]-3-\(1H-indole-3-yl\) propionic acid.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**

**Book
Book Section**

2011 [The success of salmon and trout farming in Chile.](#) In: **Aquaculture and the environment: present status and future challenges** IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-197-0 , pp.105-111

2011 [General laboratory safety practices .](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.111-116

2011 [Personal safety equipment.](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.117-121

2011 [Laboratory safety equipment.](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.122-128

2011 [Laboratory equipment safety .](#) In: **Research Methodology in Chemistry** IIUM Press . ISBN 978-967-418-202-1 , pp.129-133