

CURRICULUM VITAE

Personal Particulars



Name : Dr. Fiona How Ni Foong
Gender : Female
Current Address : Department of Biotechnology,
Kulliyah of Science,
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Jalan Sultan Ahmad Shah
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Administrative experiences

Jan 2011 – Sept 2011: Coordinator of Industrial Training of Kulliyah of Science, IIUM

Area of expertise

Synthesis of inorganic bioactive compound of heteroatom donor species
Biological studies: *In-vitro* and *in-vivo* cytotoxic, antimicrobial evaluation
Preliminary Quantitative Structure Activity Relationship (QSAR) studies

Awards

1. Sijil Kepujian Dekan (translated as, Dean's Honors Certificate) for Semester November 2000 – 2001
Date awarded: 26th June 2001
2. Sijil Kepujian Dekan (translated as, Dean's Honors Certificate) for Semester November 2001 – 2002
Date awarded: 13th June 2002
3. Sijil Kepujian Dekan (translated as, Dean's Honors Certificate) for Semester May 2002 – 2003
Date awarded: 6th February 2003
4. Sijil Kepujian Dekan (translated as, Dean's Honors Certificate) for Semester November 2002 – 2003
Date awarded: 13th June 2003
5. Sijil Kepujian Dekan (translated as, Dean's Honors Certificate) for Semester May 2003 – 2004
Date awarded: 18th December 2003
6. Sijil Kecemerlangan Akademik (translated as, academic excellence certificate) for Semester November 2002 – 2003
7. Sijil Kecemerlangan Akademik (translated as, academic excellence certificate) for Semester May 2003 - 2004

8. Bachelor of Science (Honours) First Class
Date awarded: 12th December 2003
9. National Science Fellowship (NSF) from June 2004 – June 2007
Date awarded: 10th August 2004
10. International Union of Crystallography (IUCR) Young Scientist Award 2007
Date awarded: 24th March 2007
11. Silver Medal Award
K. A. Crouse, S. H. Rahim, T. B. S. A. Ravoof, M. I. M. Tahir, R. Rosli, Fiona N.-F. How and M. F. A. Manan **New Complexes Strongly Active against Breast Cancer**, Pameran Rekacipta, Penyelidikan Dan Inovasi, PRPI 2008, 29-31 July 2008, Universiti Putra Malaysia.
12. Silver Medal Award
Fiona N.-F. How, Z. A. Rahima, M.S. Amalina, Hamid Khaledi and Siti Nadiyah Bt. Abdul Halim **Crystal Structure of Heterodonor ligands with their Potential Applications**, IIUM Research, Invention and Innovation Exhibition, IRIIE 2012, 21-22 February 2012, International Islamic University Malaysia.

Publications

1. **Research Methodology: An Introduction**. In Fiona N.-F. How [Ed.] Research Methodology in Chemistry. Malaysia: IIUM Press, 2011, 1-5. ISBN no: 978-967-418-202-1.
2. **Good Chemistry Research**. In Fiona N.-F. How [Ed.] Research Methodology in Chemistry. Malaysia: IIUM Press, 2011, 6-9. ISBN no: 978-967-418-202-1.
3. Fiona N.-F. How, M. S. Amalina, Hamid Khaledi and Hapipah Mohd Ali (2011) **4-Hydroxy-3-methoxybenzaldehyde–nicotinamide (1/1)**, Acta Cryst., E67, o3168
4. Manan, M.A.F.A., Tahir, M.I.M., Crouse, K.A., Rosli, R., Fiona N.-F. How, Watkin, D.J., **The Crystal Structure and Cytotoxicity of Centrosymmetric Copper(II) Complex Derived from S-methyldithiocarbamate with Isatin**, *J Chem Crystallogr.*, 41(12), 1866–1871
5. Manan, M.A.F.A., Crouse, K.A., Tahir, M.I.M., Rosli, R., Fiona N.-F. How, Watkin, D.J. and M. Z. Slawin **Synthesis, Characterization and Cytotoxic Activity of S-Benzyldithiocarbamate Schiff Bases Derived from 5-Fluoroisatin, 5-Chloroisatin, 5-Bromoisatin and Their Crystal Structures**, *J Chem Crystallogr.*, 41, 1630–1641
6. Fiona N.-F. How, Z. A. Rahima, Hamid Khaledi and Hapipah Mohd Ali (2011) **Dipotassium disulfanilamidate trihydrate**, Acta Cryst. E67, m1071
7. Thahira B. S. A. Ravoof, K. A. Crouse, M. Ibrahim M. Tahir, R. Rosli, David J. Watkin and Fiona N. -F. How (2010) **Synthesis, Characterisation and Biological Activities of 2-Methylbenzyl 2-(dipyridin-2-yl methylene) hydrazinecarbodithioate**, *J Chem Crystallogr.*, 41(4), 491-495,
8. Thahira B. S. A. Ravoof, Karen A. Crouse, M. Ibrahim M Tahir, Fiona N.- F How, Rozita Rosli, David J. Watkin (2010) **Synthesis, characterization and biological activities of 3-methylbenzyl 2-(6-methyl pyridine-2-ylmethylene)hydrazine carbodithioate and its transition metal complexes**, *Trans. Met. Chem.*, 35: 871–876.
9. Fiona N.- F How, Karen A. Crouse, M. Ibrahim M Tahir, David J. Watkin (2009) **Synthesis and structure determination of S, S'-(Naphthalen-2-**

- ylmethyl sulfanyl (1-p-tolylyethylidene)hydrazine**, *J Chem Crystallogr*, 39(12): 894–897.
10. Fiona N. F. How, Karen A. Crouse, M. Ibrahim M. Tahir, M. T. H. Tarafder and Andrew R. Cowley (2008) **Synthesis, Characterization and Biological Studies of S-benzyl- β -N-(benzoyl)dithiocarbazate and Its Metal Complexes**, *Polyhedron*, 27:3325-3329.
 11. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **S-quinolin-2ylmethyl dithiocarbazate**, *Acta Cryst.*, E63, o3137-o3138.
 12. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **2-Quinolylmethyl-N-[1-(m-Tolyl)ethylidene]hydrazinecarbodi-thioate**, *Acta Cryst.*, E63, o2912.
 13. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **2,5-Bis(2-naphthylmethylsulfanyl)-1-thia-3,4-diazacyclopenta-2,5-diene**, *Acta Cryst.*, E63, o2913.
 14. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **Benzyl N-[1-(3-pyridyl)ethylidene]hydrazinecarbodithioate**, *Acta Cryst.*, E63, o3123-o3124.
 15. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **2-Naphthylmethyl-N-(3-pyridylmethylene)hydrazinecarbodithio-ate**, *Acta Cryst.*, E63, o3133-o3134.
 16. Fiona N.-F. How, David J. Watkin, Karen A. Crouse, M. Ibrahim M. Tahir (2007) **2-Naphthylmethyl-N-[1-(4-pyridyl)ethylidene]hydrazinecarbodi-thioate**, *Acta Cryst.*, E63 o3135-o3136.

Conferences, Proceedings and symposium

1. Fiona N.-F. How, Karen Badri, **The Preparation and Characterization of Schiff Bases Complexes**, Seminar Kimia Industri, SKI 2003, 13/9/2003, Putrajaya, Malaysia.
2. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir and Andrew R. Cowley, **Synthesis, Characterization And Molecular Electrostatic Potential Maps Of A Dithiocarbazate Derivative And Its Metal Complexes**, Pameran Rekacipta Penyelidikan Dan Inovasi, PRPI 2005, Universiti Putra Malaysia, Serdang, Malaysia.
3. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir and A. M. Ali (2005) **The Preparation and Characterization of Isomeric Schiff bases and Their Transition Metal Complexes Structure-Reactivity Relation**. SKAM 2005, UTM, Johor, Malaysia.
4. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir, Rozita Rosli and S. M Zain **Synthesis, Characterization and Biological Studies of Isomeric Schiff Bases and Their Transition Metal Complexes** Pameran Rekacipta Penyelidikan Dan Inovasi, PRPI 2006, Universiti Putra Malaysia, Serdang, Malaysia
5. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir, Rozita Roslia, S. M. Zain **Synthesis, Characterization and Biological Studies of Isomeric Schiff Bases and Their Transition Metal Complexes**, 19th Malaysian Analytical Chemistry Symposium (SKAM 19) and 2nd Malaysian Conference on Catalysis (MyCat 2)', 21-24 August 2006, Riviera Bay Resort, Tanjung Keling, Melaka, Malaysia.

6. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir, Rozita Roslia, S. M. Zain **Synthesis, Characterization and Biological studies of S-naphthalene-2-ylmethylthiocarbazate, its Schiff Bases and their metal complexes**, 12th Asian Chemical Congress, 23– 25 August 2007, PWTC, Kuala Lumpur, Malaysia.
7. K. A. Crouse, S. H. Rahim, T. B. S. A. Ravoof, M. I. M. Tahir, R. Rosli, Fiona N.-F. How and M. F. A. Manan **New Complexes Strongly Active against Breast Cancer**, Pameran Rekacipta, Penyelidikan Dan Inovasi, PRPI 2008, 29-31 July 2008, Universiti Putra Malaysia, Serdang, Malaysia.
8. Fiona N.-F. How, Karen A. Crouse, M. Ibrahim M. Tahir, Rozita Roslia, S. M. Zain **Synthesis, Characterization and Biological studies of Schiff Bases and their metal complexes derived from S-naphthalene-2-ylmethylthiocarbazate**, International Conference on Molecular Chemistry 2008' 25-27 November 2008, University of Malaya, Malaysia.

Symposiums and conferences attended

1. Seminar Kimia Industri, SKI 2003, 13 Sept 2003, Putrajaya, Malaysia (Poster presenter)
2. Regional Conference for Young Chemist 2004 (RCYC), 13-14 April 2004, Universiti Sains Malaysia, Penang, Malaysia. (Participant)
3. 'Symposium Kimia Analysis Malaysia ke-18', 12-14 September 2005, Hotel Hyatt Regency, Johor Bahru, Johor, Malaysia (Oral presenter)
4. Symposium 'Cancer Prevention in the 21st Century', 27 June 2006, Mines Palace Beach and Spa hotel, Selangor, Malaysia (Participant)
5. '19th Malaysian Analytical Chemistry Symposium (SKAM 19) and 2nd Malaysian Conference on Catalysis (MyCat 2)', 21-24 August 2006, Riviera Bay Resort, Tanjung Keling, Melaka, Malaysia (Poster presenter)
6. '12th Asian Chemical Congress', 23– 25 August 2007, PWTC, Kuala Lumpur, Malaysia. (Poster presenter)
7. 'International Conference on Molecular Chemistry 2008' 25-27 November 2008, University of Malaya, Malaysia. (Oral presenter)