



IAS Fellowship Elections

DECLARATION BY NOMINEE

I, Prof. Dr. Yang Farina Abdul Aziz
hereby declare that I am aware of my nomination to the Fellowship
(membership) of the Islamic-World Academy of Sciences (IAS).

In case I am elected a Fellow of the IAS, I shall adhere to the Statutes and Bye-Laws of the IAS and contribute in whichever way I can to help the IAS realise its objectives of serving the humanity in the domain of science and technology for development.

Name of nominee: Prof. Dr. Yang Farina Abdul Aziz

Signature:

Address:

School of Chemical Sciences and Food Technology,
Faculty of Science and Technology,
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Date: 22 March 2016

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Jordan

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CURRICULUM VITAE OF NOMINEE¹

The nominating IAS Fellow should outline below reasons for his/her choice of nominee, based on:

- a. The academic and professional background of the nominee;
- b. Achievements of nominee in his/her specialist field; and
- c. Role of nominee in the promotion of science and technology for development.

Name of nominee: Prof. Dr. Yang Farina Abdul Aziz.

Justification:



Professor Dr. Yang Farina Abdul Aziz is a Professor of Inorganic Chemistry at the Universiti Kebangsaan Malaysia (UKM). She specializes in the synthesis, structural and biological studies of novel organotin and transition metal complexes. Her main research area is centred in the synthesis of metal complexes with various ligands such as thiosemicarbazones, hydroxymates, dithiocarbamates, catecholates and carboxylates. These newly synthesised complexes are then structurally characterized utilizing spectroscopic techniques and single crystal X-ray crystallography. The main thrust of the research effort is in the manipulation of a multitude of synthesis techniques in order to isolate novel complexes.

Professor Yang Farina has published more than 100 scientific papers in international and national journals as well as more than a hundred proceeding papers. Currently she is the Manager of the Water Research and Analysis (ALIR) Laboratory which was accredited with the ISO17025 in July 2015. She has a group working on the synthesis of new ligands for possible chelation to remove organotin and heavy metal species in water. She was also the leader of the Research Group on *Social Perception Study on Treated Sewage and Sludge Reuse Potential in Malaysia* which is a joint undertaking between UKM and Indah Water Konsortium. The result of this study is

used to educate school children on the importance of clean and safe water conservation.

Professor Yang Farina has been appointed as an Associate Member for Division II (Inorganic Chemistry) of the International Union of Pure and Applied Chemistry (IUPAC) for the period of 1 January 2016 to 31 December 2017. She is also a Fellow and currently serves as the Honorary Assistant Secretary of the Malaysian Institute of Chemistry (IKM). She is also the Chairman of the Inorganic Chemistry Committee of IKM. She is a Fellow of the Malaysian Academy of Sciences Malaysia and became the first winner of the Akademi Sains Malaysia, "I'm a Scientist, Get me Out of Here" Science Buzz Project for 2011. She

Apart from her scientific endeavours she is a member of a Think-Tank Group to advise the Ministry of Education on policy matters pertaining to academia and internationalisation. Currently she is the Cluster Head for MySkill an initiative under the Malaysian Global Outreach. She was the Director at the Centre for Public and International Relations (PUSPA) as well as the Head of International Relations, PUSPA, Universiti Kebangsaan Malaysia (UKM) for the period from 2002 to 2007. She has also co-authored books and written articles on higher education. Besides her scientific writing, Professor Yang Farina is also involved in scientific journalistic writing in newspapers, local magazines and Resonance (UKM's English bulletin). She is also often invited to appear on television as a panelist to discuss scientific and academic topics.

I hereby nominate Prof. Dr. Yang Farina to become a Fellow of the Islamic World Academy of Sciences

Name of nominating IAS Fellow: Prof. Dr. Khatijah Yusoff



1 Use additional sheets where necessary retaining the order of sections and re-numbering pages as appropriate.

CURRICULUM VITAE OF NOMINEE

A- PERSONAL DETAILS OF NOMINEE

Surname or Family Name (s): Abdul Aziz

Forename (s): Yang Farina Title (Dr, Prof., ...): Prof. Dr.

Country of Origin (**expatriate scientists only**): Malaysia

Country of Residence: Malaysia

Nationality: Malaysia

Place of Birth: Malaysia Date of Birth: 9th November 1962

Marital Status: Divorced

Present Position: Manager , ALIR Laboratory

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Languages: English and Malay Language

Work Address:

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Taman Prima Tropika

Seri Kembangan, 43300 Selangor, Malaysia

Telephone: +60133885492 Fax:-

Countries visited (officially, study-tours, missions, conferences, privately, etc.):

United Kingdom, France, Germany, Belgium, The Netherlands, Sweden,
Italy, Austria, Spain, Switzerland, Ireland, Sri Lanka, Morocco, Yemen,
Saudi Arabia, Tunisia, United States of America, Canada, Korea, China,
Vietnam, Cambodia, Myanmar, Brunei, Singapore, Thailand, Australia,
New Zealand, Indonesia, Philippines,

B- ACADEMIC BACKGROUND

Nominees should give names of scientists with whom they have worked.

	<u>Degree</u>	<u>University/Institute</u>	<u>Field</u>	<u>Year</u>
a.	PhD	University of Reading	Chemistry	1989
	Prof. Dr. David Rice & Prof. GWA Fowles			
b.	BSc. (Hons)	University of Manchester	Chemistry	1984

BB- OTHER ACADEMIC DETAILS

EMS-ISO14000, Environmental Auditor (IRCA/2007) (1997)

C- PROFESSIONAL EXPERIENCE (positions held and nature of work)

Academic

- Professor, School of Chemical Sciences & Food Technology (2005 – present)
 - Associate Professor, Department of Chemistry UKM (1995-2005)
 - Lecturer, Dept. of Chemistry UKM (1988-1995)
 - Tutor, Dept. of Chemistry UKM (1984-1988)

 - Manager, ALIR Laboratory (2010 – present)
 - Head, Centre for Water Research and Analysis (ALIR) (2010 – 2015)
 - Director, Centre for Public and International Relations UKM (PUSPA) (2005 - 2007).
 - Head of International Relations Department, Centre for Public and International Relations UKM (PUSPA) (2002 – 2004).
 - Chemical Technology Programme Co-ordinator (1998 – 1999).
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CC- MAJOR CAREER OBJECTIVES

- Manager, ALIR Laboratory (2010 – present)
- Head, Centre for Water Research and Analysis (ALIR) (2010 – 2015)
- Director, Centre for Public and International Relations UKM (PUSPA) (2005 - 2007).
- Head of International Relations Department, Centre for Public and International Relations UKM (PUSPA) (2002 – 2004).
- Chemical Technology Programme Co-ordinator (1998 – 1999).

D- MEMBERSHIP OF INSTITUTIONS & PROFESSIONAL BODIES

1. Fellow of Akademi Sains Malaysia.
2. Assistant Honorary Secretary and Fellow Member of Institut Kimia Malaysia (FMIC, Registration Number A/1289/2403/94); Chairman of the Inorganic and Bio-Inorganic Chemistry Committee.
3. Member of International Union of Pure & Applied Chemistry. Appointed as Country Representative for Division II (Inorganic Chemistry) for the period of 1 Januari 2012 – 31 Disember 2015. Currently has been elected to be an Associate Member of Division II (Inorganic Chemistry) for the period of 1 Januari 2016 – 31 Disember 2017.
4. Member of International Union of Crystallographers.
5. Life Member of Malaysian Analytical Sciences Society (ANALIS).

E- HONOURS, PRIZES, MEDALS & AWARDS

<i>Give details of awarding party, occasion, place and date of award.</i>

Work Excellence Award by UKM, 1999 and 2013.

F- PATENTS

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G- CONFERENCES ATTENDED² (speaker, author and/or participant)

1. UKM-UCA International Joint Seminar On Science And Technology 2016 (UKM-UCA IJSST 2016), University of Cady Ayyad Marrakech, Morocco, 9-11 January 2016.
Organised by: University of Cady Ayyad Marrakech
Role: Invited Speaker, “Malaysia’s Global Reach: Knowledge and Skills Hub Creation through Internationalisation”
2. Borneo Water & Wastewater Exhibition 2015, Borneo Convention Centre, Kuching 14-16 December 2015.
Organised by: Malaysian Water Association
Role: Invited Speaker, “Emerging Pollutants in Malaysian Rivers”.
3. IUPAC 45th World Chemistry Congress and General Assembly, Busan, 9-14th August 2015.
Organised by: The Korean Chemical Society & IUPAC
Role: Malaysian Delegate and National Representative of Division II (Inorganic Chemistry).
4. 41st International Conference on Coordination Chemistry, Singapore, 21-25th July 2014.
Organised by: The Singapore Chemical Society & IUPAC.
Role: Oral presentation “Structural & Biological Studies of Thiophene Thiosemicarbazone Complexes”.
5. 14th Asian Chemical Congress (14ACC), Bangkok, 5-8 September 2011.
Organised by: Chemical Society of Thailand.
Role: Invited Speaker, “Bioeffluent as An Industrial Water Source”.
6. Karnival Kimia Malaysia, 19-20 Mei 2011, Kota Marudu, Sabah.
Organised by: MOSTI dan Institut Kimia Malaysia.
Role: Invited Speaker, “Air Demi Kehidupan”.
7. Seminar Kimia Industri Ke 15 (SKI XV), 11 Mei 2011, Auditorium Jurutera, Universiti Putra Malaysia.
Organised by: Jabatan Kimia, Universiti Putra Malaysia.
Role: Invited Speaker, “Chemists have Solutions”.
8. Karnival Hari Pendidikan Kerjaya Peringkat Wilayah Persekutuan Putrajaya 2011, 13 April 2011, Sekolah Sultan Alam Shah.
Organised by: Sekolah Sultan Alam Shah.
Role: Invited Speaker, “Chemistry, Our Life, Our Future”.

9. Program Seminar Pemantapan Siswi 2011, 9 April 2011, Dewan Sultan Mizan, Universiti Malaysia Terengganu.
Organised by: Kolej Kediaman Sheikh Abdul Malek, Universiti Malaysia Terengganu
Role: Panelis Forum “Wanita Unggul Peneraju Kerjaya dan Keluarga”.
10. Kolokium Pelajar Pergigian Ke-9, 25-26 Januari 2011, Fakulti Pergigian, Universiti Kebangsaan Malaysia.
Organised by: Fakulti Pergigian, Universiti Kebangsaan Malaysia.
Role: Invited Speaker, “Are you Ready for Global Challenges”.
11. 16th Malaysian Chemical Congress, 12-15 October 2010, Putra World Trade Centre (PWTC).
Organised by: Institut Kimia Malaysia and Akademi Sains Malaysia.
Role: Chairman of Plenary Session, Committee Member and Presenter, “Studies And Characterisation of (*E*)-2-benzylidene-*N*-phenylhydrazinecarbothioamidebenzaldehyde”.
12. 17th National Public Health Colloquium, 28-19 September 2010, Legend Hotel.
Organised by: Universiti Kebangsaan Malaysia, International Institute for Global Health (UNU-IIGH) and Persatuan Pakar Perubatan Kesihatan Awam Malaysia.
Role: Invited speaker “Water, Health & Community Participation: Bioeffluent as A Water Source?”
13. International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin and Lead, ICCOC-GTL-13, 11-15 July 2010, Technical University Graz, Austria.
Organised by: Technical University Graz
Role: Presenter, “Synthesis and Characterisation of Diorganotin(IV) Complexes of Thiosemicarbazones Derived from 2,3-Dihydroxybenzaldehyde, Acetone and 2,6-Diacetylpyridine”.
14. Internationalisation Policy for Higher Education in Malaysia, Workshop 2, 1st July 2010, Business and Advanced Technology Centre, Universiti Teknologi Malaysia.
Organised by: Universiti Teknologi Malaysia and Ministry of Higher Education
Role: Keynote address, “Practical Aspects of Internationalisation of Higher Education in Malaysia”.
15. Internationalisation and Marketing of Malaysia Higher Education, 17 June 2010, Putrajaya International Convention Centre.
Organised by: Ministry of Higher Education and Universiti Putra Malaysia
Role: Chairman of Session.
16. Waste Management Conference and Exhibition, 2010, 19-20 May 2010, Sime Darby Convention Centre.

Organised by: Environment Management and Research Association of Malaysia (ENSEARCH).

Role: Invited Speaker, "Sewage By-Products Reuse: Are We Ready?"

17. Asia Water 2010 Conference, 6-8 April 2010, Kuala Lumpur Convention Centre.
Organised by: The Malaysia Water Association (MWA)
Role: Paper Presenter "Social Perception on the Reuse of Treated Effluent from Sewerage Treatment Plants in the Klang Valley for Commercial and Domestic Applications".
18. 1st Conference on Water Chemistry and Health, 24-25 November 2009, Marriott Hotel Putrajaya.
Organised by: Universiti Kebangsaan Malaysia and United Nations University-International Institute for Global Health.
Role: Vice-Chairman, Chairperson for Plenary session and presenter, "Hydroxamic Acids As Chelating Agent For The Removal Of Organotins".
19. ITB-UKM VIII Joint Seminar in Chemistry, 9-11 June 2009, Universiti Kebangsaan Malaysia.
Organised by: Universiti Kebangsaan Malaysia and Institut Teknologi Bandung.
Role: Chairperson for Plenary session and participant.
20. The 1st GIST-UKM Joint Symposium on Green Technologies, 18-19 May 2009, Gwangju Institute of Science and Technology (GIST), Korea.
Organised by: Gwangju Institute of Science and Technology and Universiti Kebangsaan Malaysia.
Role: Presenter of "Metals in Biological System: Threat or Therapeutic?".
21. The First International Seminar on Science and Technology (ISSTEC), 24-25 January 2009, Universitas Islam Indonesia.
Organised by: Universitas Islam Indonesia and Universiti Kebangsaan Malaysia.
Role: Presenter of "Chelating Agents to Remove Organotins".
22. International Conference on Mathematics and Natural Sciences, 28-30 October 2008, Institut Teknologi Bandung, Indonesia.
Organised by: Institut Teknologi Bandung.
Role: Plenary speaker on "Organotin Complexes: Toxic or Beneficial?".
23. 21st Malaysian Chemical Analysis Symposium, 25-27 November 2008, Universiti Malaysia Sabah.
Organised by: Universiti Malaysia Sabah and Malaysian Analytical Sciences Society.
Role: Chairperson for a session, presenter on "Synthesis and characterization of some diorganotin(IV) complexes of substituted thiosemicarbazone"

24. Fifth UNRI-UKM Seminar, 19-20 Ogos 2008, Universitas Riau, Pekanbaru, Indonesia.
Organised by: Universitas Riau and Universiti Kebangsaan Malaysia.
Role: Paper presenter of “Organotin(IV) Complexes: Toxic or Beneficial?”. Paper has been published in *Prosiding UNRI-UKM Ke-5*, ISBN 978-979-1222-46-4.
25. ITB-UKM VII Joint Seminar in Chemistry, 12-13 December 2007, Institut Teknologi Bandung, Bandung, Indonesia.
Organised by: Institut Teknologi Bandung and Universiti Kebangsaan Malaysia.
Role: Chairperson for a session, presenter and participant.
26. The 12th Asian Chemical Congress (12ACC), 23-25 August 2007, Putra World Trade Centre, Kuala Lumpur.
Organised by: Institut Kimia Malaysia and the Federation of Asian Chemical Societies (FACS).
Role: Chairperson for an Invited Speaker session, presenter, committee member and participant.
27. The International Conference on Neutron and X-ray Scattering 2007, 29-31 July 2007, Institut Teknologi Bandung, Bandung.
Organised by: Institut Teknologi Bandung and National Nuclear Energy Agency of Indonesia
Role: Presenter.
28. International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin and Lead, ICCOC-GTL-12, 8-13 July 2007, National University of Ireland Galway.
Organised by: National University of Ireland Galway
Role: Presenter.
29. 4th International Conference on Teaching and Learning, 5-8 December 2006, National University of Singapore.
Organised by: University of Singapore
Role: Participant.
30. UiTM s Conference of Vice-Chancellors 2006, 8 November 2006, Hotel Concorde Shah Alam Selangor.
Organised by: University of Technology MARA
Role: Participant.
31. 4th UKM-UNRI Seminar Ke-4, 1-3 August 2006, Pusat Kembangan Pendidikan, Universiti Kebangsaan Malaysia.
Organised by: Universiti Kebangsaan Malaysia.
Role: Presenter and participant.

- 32.** ACU PR Marketing and Communications Network Inaugural Conference, 17-19 July 2006, Toronto.
Organised by: Association of Commonwealth Universities, University of Toronto
Role: Presenter and participant.
- 33.** ACU 2006 Conference of Executive Heads, 8-13 April 2006, The University of Adelaide
Organised by: Association of Commonwealth Universities, University of Adelaide
Role: Invited speaker and participant.
- 34.** Second ASEAN-EU Rectors Conference on Borderless Education-Opportunity and Threats, 11-15 November 2005, Leuven, Belgium.
Organised by: Universiteit Katholieke Leuven
Role: Presenter and participant.
- 35.** AUNP Second 3rd Round Table Meeting, 25 August – 1 September 2005, University of Philippines.
Organised by: University of Philippines and ASEAN-EU University Network Programme
Role: Presenter and participant.
- 36.** UNCOFIN Workshop, 20-24 September 2005, University of Alicante, Spain.
Organised by: University of Alicante
Role: Presenter and participant.
- 37.** The 2005 ASAIHL Seminar on Application of Computing and Information Technology in Higher Learning, 27-29 June 2005, Universiti Brunei Darussalam.
Organised by: ASAIHL and University of Brunei Darussalam.
Role: Joint presenter of plenary paper and participant.
- 38.** ITB-UKM VI Joint Seminar in Chemistry, 17-18 May 2005, Sanur Paradise Plaza Hotel, Denpasar, Bali, Indonesia.
Organised by: Institut Teknologi Bandung and Universiti Kebangsaan Malaysia.
Role: Joint Chairman, Chairperson for a session, presenter and participant.

2 Use additional sheets where necessary retaining the order of sections and re-numbering pages as appropriate.

H- SPECIFIC FIELDS OF SCIENTIFIC INTEREST

- Coordination Chemistry
 - Inorganic Synthesis
 - Water Chemistry
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I- PUBLICATIONS³

- (a) Please give names of co-authors for joint publications;
- (b) Indicate level of contribution for joint publications by adding (1-5) to the end of each listing (Principal Author = 1, Major Contributor = 2, Contributor = 3, Minor Contributor = 4, Not Applicable = 5).
- (c) Indicate evaluated Papers/Articles by adding (E) to the end of each listing.

BOOKS (authored, translated, edited and/or co-edited):

1. Y. Farina. 2011. *Struktur dan Kereaktifan Biologi Kompleks Organotimah, Penawar atau Racun*, Penerbit UKM. (Malay)
2. Norzaini Azman and Yang Farina Abdul Aziz. 2007. Implementing A Strategic Plan For Internationalisation: The Case Of The National University, Chapter in a book *Globalisation and Internationalisation of Higher Education in Malaysia*, USM Press, Penang.
3. Yang Farina, Khoo Yew Lee & Yazrina Yahaya, *Internationalisation of Higher Education: Insights from Malaysian Higher Education Institutions*, USM Press, Penang.

PAPERS/ARTICLES

International Journals (reviewed journals)

1. Naqeebullah Khan, Yang Farina*, Lo Kong Mun, Nor Fadilah Rajab and Normah Awang. 2015. Syntheses, characterization, X-ray diffraction studies and *in vitro* antitumor activities of diorganotin(IV) derivatives of bis(p-substituted-N-methylbenzylaminedithiocarbamates), *Polyhedron*, **85**: 754–760.
2. Abdullah, M.P., Abdul Aziz, Y.F., Othman, M.R. and Abdul Khalik, W.M.A. 2015, Organochlorine Pesticide Residue Level in Surface Water of Cameron Highlands, Malaysia. *Iranica Journal of Energy and Environment*, **6(2)**: 141-146.
3. Naqeebullah, K., Yang Farina*, Lo Kong Mun, Nor Fadilah Rajab and Normah Awang. 2014. Triorganotin(IV) complexes with o-substituted arylhydroxamates: Synthesis, spectroscopic characterization, X-ray structures and *in vitro* cytotoxic activities, *Journal of Organometallic Chemistry*, **763-764**, 26-33.
4. Naqeebullah, K., Yang Farina*, Kok Meng Chan, Lo Kong Mun, Nor Fadilah Rajab and Theng Choon Ooi. 2013. Diorganotin(IV) Derivatives of N-Methyl p-Fluorobenzo-Hydroxamic Acid: Preparation, Spectral Characterization, X-ray Diffraction Studies and Antitumor Activity, *Molecules*, **18**: 8696-8711.
5. Naqeebullah, K., Yang Farina, Lo Kong Mun, Nor Fadilah Rajab and Normah Awang. 2013. Spectral Characterization and Crystal Structures of Two Newly Synthesized Ligands of N-Methyl O-Substituted Benzohydroxamic Acids, *Journal of Chemical Crystallography*, **43(11)**: 622-627.
6. Erna Normaya and Yang Farina. 2013. Density Functional Theory Studies on Vibrational Spectra (E)-N-(4-carboxyphenyl)-2-(1-(pyrazin-2-yl)ethylidene)hydrazinecarbothioamide, *Malaysian Journal of Chemistry*, **15(1)**: 033 – 040.
7. Salam M.A., Affan, M.A., Fasihuddin B.A., Jusoh I., Shamsuddin M.B., Yamin, B. & Farina, Y. 2012. Synthesis, spectral characterization and crystal structure of a novel

trinuclear di-n-butyltin(IV) complex with pyruvic acid-N(4)-cyclohexylthiosemicarbazone (H2PACT), *Journal of Organometallic Chemistry*, **696**: 4202-4206.

8. Chow Wei Zhen, Kalaivani Nadarajah and Yang Farina. 2012. Determination of the Efficiency of Treated Sludge as a Fertilizer, *Oriental Journal of Chemistry*, **28(1)**: 131-139.
9. M. Y. A. Rahman, A. Ahmad, T. K. Lee, Y. Farina, H. M. Dahlan. 2012., LiClO₄ Salt Concentration Effect on the Properties of PVC-Modified Low Molecular Weight LENR50-Based Solid Polymer Electrolyte, *Journal of Applied Polymer Science*, **124(3)**: 2227-2233.
10. Lee, TK; Ahmad, A; Farina, Y; Dahlan, HM; Rahman, MYA, 2012, Preparation and characterization of solid polymeric electrolyte of poly(vinyl) chloride-low-molecular weight LENR50 (70/30)-LiClO₄, *Journal of Applied Polymer Science*, **126(Supp.2)**: E159-E165.
11. Nur Nadia Dzulkifli, Yang Farina, Ibrahim Baba & Nazlina Ibrahim, 2012, *The Malaysian Journal of Analytical Sciences*, Synthesis, structural, antibacterial and spectral studies of Co(II) complexes with salicyldehyde and p-chlorobenzyldehyde 4-phenylthiosemicarbazone, , , , 16(2):103-109
12. Yip Foo Win, Siang Guan Teoh, Yang Farina Abdul Aziz, Ibrahim Baba and Emad Yousif. 2012. Synthesis, Characterization and *in vitro* Cytotoxic Assay on Human Promyelocytic Leukemia Cells(HL60) of Organotin(IV) Complexes Derived of 4-(methylamino) benzoic Acid and 4-(Dimethylamino)benzoic Acid, *Asian Journal of Chemistry*, **24(5)**:2117-2120.
13. Kalaivani Nadarajah, Noorliyana Rashid and Yang Farina. 2012. The Relau River water quality analysis at the National Forest Reserve, Merapoh, Pahang, *Journal of Applied Sciences*, **12(17)**:1801-1808.
14. Farina, Y., Swesi, R. & Kassim, M. 2011, Organotin(IV) Catecholato Thiosemicarbazones, *Phosphorus, Sulfur, and Silicon and the Related Elements*, **186**:1333–1335.
15. Kayed, S.F., Farina, Y., Simpson, J. and Baba, I. 2011. (E)-2-[1-(1-Benzothiophen-2-yl)ethylidene]-N-phenylhydrazinecarboxamide, *Acta Crystallographica Section E*, **E67**: o943–o944.
16. Normaya, E., Farina, Y., Halim, S.N.A. & Tiekink, E.R.T. 2011. 3-(2-Hydroxyphenyl)-1-[(E)-[1-(pyrazin-2-yl)ethylidene]amino]thiourea monohydrate, *Acta Crystallographica Section E*, **E67**: o943–o944.
17. Dzulkifli, N.E., Farina, Y., Yamin, B.M., Baba, I. & Tiekink, E.R.T. 2011. 3-[(E)-(4-Chlorobenzylidene)amino]-1-phenylthiourea, *Acta Crystallographica Section E*, **E67**: o872.
18. Rahman, M. Y. A., Ahmad A., Lee, T. K., Farina, Y. & Dahlan, H. M. 2011. Effect of Ethylene Carbonate (EC) Plasticizer on Poly (Vinyl Chloride)-Liquid 50% Epoxidised Natural Rubber (LENR50) Based Polymer Electrolyte, *Materials Sciences and Application*, **2**: 817-825.

19. Othman, M. N., Abdullah M.P. and Farina, Y. 2010. Removal of Aluminium from Drinking Water, *Sains Malaysiana*, **39(1)**: 51-55.
20. Shaker, S., Farina, Y., Mahmmud, S. and Eskender, M. 2010. Synthesis and Characterization of Mixed Ligand Complexes of Caffeine, Adenine and Thiocyanate with Some Transition Metal Ions., *Sains Malaysiana*, **6**: 957-962.
21. Affan, M. A., Farina, Y. and Weng, S. W. 2010. n-Butyldichlorido{4-cyclohexyl-1-[phenyl(2-pyridyl-jN)methylene]thiosemicarbazidato-j2N1,S}tin(IV)chloroform monosolvate, *Acta Crystallographica Section E*, **E66**: m571.
22. Wan Juhari, W. N. S., Baba, I. Farina, Y. and Ng, S. W. 2010, Bis(N-butyl-N-ethylthiocarbamato-k2S,S')nickel(II), *Acta Crystallographica Section E*, **E66**: m339-m339.
23. Amirah Faizah Muthalib, Ibrahim Baba, Yang Farina and Seik Weng Ng, 2010., Bis(N-isopropyl-N-methylthiocarbamato-k2S,S')diphenyltin(IV), *Acta Crystallographica Section E* **66**: M354.
24. Yousif, E., Hameed, A., Rasheed, R., Mansoor, H., Farina, Y., Graisa, A., Salih, N. and Salimon, J. 2010. Synthesis and photostability study of some modified poly(vinyl chloride) containing pendant benzothiazole and benzimidazole ring, *International Journal of Chemistry*, **2(1)**: 65-80.
25. Ibraheem, H., Adel, H., Ahmed, A., Salih, N., Salimon, J., Graisa, A., Farina, Y. and Yousif, E. 2010, Synthesis, characterization and antimicrobial activity of some metal ions with 2-thioacetic-5-phenyl-1,3,4-oxadiazole, *Journal of Al-Nahrain University*, **13(1)**: 43-47.
26. Ahmed, A., Najim, T., Salimon, J., Salih, N., Graisa, A., Farina, Y. and Yousif, E. 2010. Optical properties modification of poly (vinyl chloride) using complexes of 2-amino acetate benzothiazole, *ARPN Journal of Engineering and Applied Sciences*, **5(12)**: 1-3
27. Kayed, S. F., Farina, Y. and Simpson, J. 2009. 1-Benzothiophene-2-carbaldehyde 4-ethylthiosemicarbazone, *Acta Crystallographica Section E*, **E65**: o180-o181.
28. Farina, Y., Adil, H., Ahmed, A., Graisa, A. and Yousif, E. 2009. Synthesis, structural and fungicidal studies of some diorganotin(IV) with benzamidoleucine, *Australian Journal of Basic and Applied Sciences*, **3(3)**: 1670-1673.
29. Yousif, E., Farina, Y. Kasar, K., Graisa, A. and Ayid, K. 2009. Complexes of 2-thioacetic acid benzothiazole with some metal ions, *American Journal of Applied Sciences*, **6(4)**: 582-585.
30. Yousif, E., Hameed, A., Kamil, A., Farina, Y. Assad, N., and Graisa, A. 2009. Synthesis of new polymers derived from poly (vinyl chloride) and study of their biological evaluation, *Australian Journal of Basic and Applied Sciences*, **3(3)**: 1786-1794.
31. Farina, Y., Graisa, A. and Yousif, E. 2009. Synthesis, structure and biological activity of some diorganotin(IV) with benzamidomethionine. *Modern Applied Science*, **3(4)**:215-218.

32. Graisa, A., Farina, Y., Yousif, E. and Saad, E. E. 2009. Organotin(IV) derivatives of *N*-tolyl-*m*-methoxybenzohydroxamic acid: synthesis and structural elucidation, *International Journal of Chemistry*, **1(2)**: 34-47.
33. Farina, Y., Graisa, A., Yousif, E. and Kassim, M. 2009. Synthesis and structure of some diorganotin(IV) complexes of *N*-methyl-*m*-nitrobenzohydroxamic acid, *Australian Journal of Basic and Applied Sciences*, 2009 3(1), 291-294.
34. Najeeb, D., Shalan, N., Ibraheem, H., Farina, Y. and Yousif, E. 2009. Synthesis and fungicidal activity of some diorganotin(IV) with benzamidocysteine, *Journal of Al-Nahrain University*, **12(1)**: 24-28.
35. Yousif, E., Adil, H., Majeed, A., Graisa, A. and Farina, Y. 2009. Structure and fungicidal activity of some diorganotin(iv) with benzamidophenylalanine , *ARPJ Journal of Engineering and Applied Sciences*, **4(6)**: 39-42.
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1. Head Researcher, FRGS/2/2013/ST01/UKM/01/2, Synthesis and Characterisation of Bio-Active Lanthanide Thiosemicarbazone Complexes, RM91,000.
2. Fellow Researcher, FRGS/1/2013/ST01/UKM/01/1, Speciation of Metal in Peninsular marine water - An Influence of Marine acidity, RM87,000.
3. Head Researcher, GUP-2012-022, Thiosemicarbazone Coordination Polymers, RM 30,000. 2012-2013.
4. Fellow Researcher, 06-01-02-SF0887, Science Fund. Structural And Biological Activity Studies To Identify The Potential As Component In Drug On Organotin (Iv) And Selected Heavy Metal (Sn, Sb, Pb or Bi) Complexes Containing Nitrogen, Oxygen And Sulphur Containing Ligands, 2012-2014.
5. Fellow Researcher, UKM-AP-2011-21, Projek Arus Perdana, The Water Resources Availability and Quality for Sustainable Water Supply, RM 100,000. 2011-2013.
6. Fellow Researcher, UKM-HEJIM-KOMUNITI-2011-032, Water: A Chemical Solution - The Global Chemistry Experiment in Malaysia, RM40,000, 2011-2012.
7. Fellow Researcher, UKM-HEJIM-KOMUNITI-08-2010, Pembudayaan Penjimatan Air Di Kalangan Masyarakat Negeri Sembilan, RM25,000, 2011-2012.
8. Head Researcher, , UKM-HEJIM-INDUSTRI-10-2010, Meningkatkan Penggunaan Semula Air Terawat Dan Enapcemar Sisa Pembentukan, RM32,000, 2010-2012.
9. Head Researcher UKM-ST-06-FRGS0112-2009, Synthesis, Characterisation and Biological Study of Thiophene Semi/Thio-Semicarbazone Ligands and Their Metal Complexes, 2009-present.
10. Head Researcher UKM-GUP-NBT-08-27-112, Synthesis and Characterisation of Biologically Active Organotin Thiosemicarbazones, 2008-present.
11. Head Researcher, Contract Research with Indah Water Consortium (IWK), STGL016-2008, Social Perception Study on Treated Sewage and Sludge Reuse Potential in Malaysia, 2008 – present.
12. Fellow Researcher, Teknologi Terkini dalam Pemantauan dan Pengolahan Air, Geran Universiti Penyelidikan (GUP), UKM-GUP-NBT-08-27-114 , RM70000.00, 2008-present.
13. Head Researcher UKM-ST-01-FRGS0022-2006, Synthesis and characterisation of novel multidentate iron chelating agents, 2006-2009.
14. Fellow Researcher ST-027-2004-GL: Synthesis and Characterisation of Tris(pyrazolyl)borato-nitrosylmolybdenum Complexes with Dioxolene/Dithiolene Ligands, RM 160,000, 2005-2007.
15. Fellow Researcher IRPA 09-02-02-EA144: Synthesis and Applications Studies of Sulphur, Nitrogen and Oxygen Containing Compounds with Selected Metal and Organometallic Compounds, RM 182,000. October 2004 – December 2006.

16. Head Researcher IRPA 09-02-02-0133: Synthesis, characterisation and biological activity study of new oxygen and sulphur chelated organotins, RM 113,000, September 2000 – April 2003.
17. Head Researcher UKM S/6/98: Synthesis of Biologically Active Organotins, RM 12,000, January 1999 – December 2000.
18. Fellow researcher IRPA 09-02-02-0090: Syntheses and Characterisation of Thiosemicarbazones and their Metal Complexes, RM 119,000, 1999 - 2002.
19. Fellow researcher IRPA 09-02-02-0096: Synthesis and Characterisation of Dithiocarbamate Complexes From Secondary and Tertiary Amines and Their Application, RM 96,000, 1999-2000.
20. Fellow researcher IRPA 09-02-02-0010: Synthesis and Application of Dithiocarbamate Compounds, RM252,500.00, 1996-1999.
21. Head researcher of project 3 IRPA 2-07-03-017: Study of Reactions Between Substituted Catechol with Organotin Compounds, RM600,000, January 1989 – December 1990.
22. Fellow researcher of project 1 IRPA 2-07-03-017: Synthesis, Characterization and Test for Industrial Applications of Dithiocarbamate Complexes, RM600,000, January 1989 – December 1990.
23. Head researcher UKM 61/89: Complex Formation of Tin(II) and Aluminium(III) With Catechol and Substituted Catechol, RM8,000,.
24. Fellow researcher & project treasurer UKM 74/91: Study on the Literacy of Academicians in UKM, RM21,500, November 1991 – December 1992.

INTERNATIONALISATION

25. Head Researcher, Kajian Pembentukan Hab Pengetahuan dan Kemahiran Menerusi Pengantarabangsaan (MySkill), STGL-015-2012, RM 150,000. 2011-2015.
26. Fellow Researcher, Penambahbaikan Bisnes Proses Program Pengantarabangsaan UKM, PTS-2012-144, 2012-2014. Head Researcher, Contract Research with Ministry of Higher Education Malaysia, STGL-005-2011, Redefining Internationalisation in Malaysia, RM 155,000, 2011-2012.
27. Fellow Researcher, , Contract Research with Ministry of Higher Education Malaysia, Kajian Rangka Kerja Pengurusan Pelajar Antarabangsa, RM 130,000, 2011-2012.
28. Fellow Researcher, Contract Research with Ministry of Higher Education Malaysia, Setting up of International Branch Campus Overseas, 2010-2011.
29. Head Researcher, Contract Research with Ministry of Higher Education Malaysia, STGL-004-2009, Kajian Penyelidikan Pelan Strategik Pengajian Tinggi Negara (PSPTN) Teras 4: Memperkasakan IPTA & Memartabatkan Ahli Akademik, Penghargaan dan Pengiktirafan. 2009-2010..
30. Fellow researcher. Study on International Students in Malaysia, a project funded by Ministry of Higher Education and undertaken in collaboration with IPPTN, RM 250,000, February 2009 – April 2009.
31. Coordinator in UKM, University Cooperation for Internationalisation (UNCOFIN), Asean University Network Programme, AUNP, Euro 173,000, 2003 – 2005.

32. Coordinator in UKM, International Master of Applied Mathematics and Information Sciences, Asia Link Project, Euro 230,000, September 2004- 31 August 2006.

CITATIONS (of published work):

(a) Total number of citations: ..216

(b) Maximum citations of a published paper:15

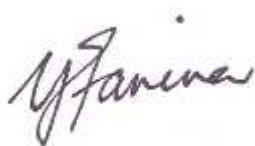
- Title of paper [2,3-Dihydroxybenzaldehyde thiosemicarbazone hemihydrate](#)

J- ANY OTHER DETAILS

Besides my academic role I am also a very active member of the sports fraternity in Malaysia. I participate in many cycling and running events in Malaysia. I was a draft marshall for Ironman Langkawi and Ironman Putrajaya.

Name of nominee: Prof. Dr. Yang Farina Abdul Aziz

Signature:



Date: 22 March 2016

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