



CURRICULUM VITAE

YANG FARINA ABDUL AZIZ

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Universiti Kebangsaan Malaysia
43600 Bangi, Selangor
MALAYSIA*

Brief Biography



Professor Dr. Yang Farina Abdul Aziz is a Professor of Inorganic Chemistry specializing in the synthesis, structural and biological studies of novel organotin and transition metal complexes. Her main research is centred on the synthesis of metal complexes with various ligands such as thiosemicarbazones, hydroxymates, dithiocarbamates, catecholates and carboxylates. The newly synthesised complexes are structurally characterized utilizing spectroscopic techniques and single crystal X-ray crystallography. The crux of the research is for the manipulation of a multitude of synthesis techniques 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 Head, at the Centre for Water Research and Analysis (ALIR), Universiti Kebangsaan Malaysia. 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 how important it is to conserve clean and safe water.

Professor Yang Farina is a Fellow and serves as a council member of Institut Kimia Malaysia (IKM). She is also the Chairman of the Green and Environmental Chemistry Committee of IKM. She is an Associate of Malaysian Academy of Sciences Malaysia. She became the first winner of the Akademi Sains Malaysia, "I'm a Scientist, Get me Out of Here" Science Buzz Project for 2011. She has been appointed to become the Country Representative for Division II (Inorganic Chemistry) of the International Union of Pure and Applied Chemistry (IUPAC) for the period of 1 January 2012 – 31 December 2013.

Besides her scientific endeavours she is a member of a think tank to advise the Ministry of Higher Education on policy matters pertaining to academia and internationalization. She was the Director, Centre for Public and International Relations (PUSPA) as well as the Head of International Relations, PUSPA, Universiti Kebangsaan Malaysia (UKM) from the year 2002-2007. She has also co-authored books and written articles on higher education. Besides her scientific writing Professor Yang Farina also participates in scientific journalistic writing which appears in newspapers, local magazines and Resonance, UKM's English bulletin to promote science and higher education in general. She is also often invited to appear on TV as a panelist to discuss scientific and academic topics.

In her spare time Professor Yang Farina loves riding her mountain bicycle, write in her blog (Nina's Chemistry), read novels and unravel Sudoku puzzles.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

PARTICULARS

Name	Prof. Dr. Yang Farina Abdul Aziz
Position	Head, Centre for Water Research and Analysis (ALIR) and Professor of Inorganic Chemistry
Organisation & Address	School of Chemical Sciences & Food Technology Faculty of Science & Technology Universiti Kebangsaan Malaysia 43600 Bangi Selangor
Birthdate	9 November 1962
E-mail	farina@ukm.my
Telephone Number	+603-89213901
Fax Number	+603-89215410
Qualifications	Ph.D, University of Reading (1989) BSc. (Hons) in Chemistry, University of Manchester (1984) EMS-ISO14000, Environmental Auditor (IRCA/2007) (1997)
Field of Expertise	- Inorganic Chemistry - Internationalisation of Universities
Research Area	Bioinorganic Chemistry
Language Proficiency	English and Bahasa Malaysia

Experience

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)

Administrative

- Head, Centre for Water Research and Analysis (ALIR) (2010 – present)
- 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).

Professional Membership

1. Council Member and Fellow Member of Institut Kimia Malaysia (FMIC, Registration Number A/1289/2403/94); Chairman of the IKM Environment and Green Committee.
2. 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 2013.
3. Member of International Union of Crystallographers.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

4. Associate Member Akademi Sains Malaysia.
5. Life Member of Malaysian Analytical Sciences Society (ANALIS).

Further Training

1. ISO 9000 Documentation Course, UKM, 11-12 February 1998 & 23-24 February 1998, organised by Unit Pengurusan Kualiti UKM.
2. EMS-ISO14000, Environmental Auditor Programme (IRCA/2007), Crown Princess, Kuala Lumpur, 21-24 April 1997, organised by Oxbridge Consulting.

Reviewer

1. Journal of Applied Organometallic Chemistry, John-Wiley and Sons, 2009-present.
2. Universiti Sains Malaysia Press, 2009 – present.
3. Eurasian Journal of Analytical Chemistry, 2009-present.
4. Sains Malaysiana, UKM Press, 1992 – present.
5. Malaysian Journal of Analytical Sciences, 1995-present.
6. Journal of Sustainability Science and Management, Universiti Malaysia Terengganu Press, 2009 – present.

Accolades

1. Inaugural Lecture, 30 March 2011, "Struktur dan Kereaktifan Biologi Kompleks Organotimah, Penawar atau Racun.
2. Winner of Akademi Sains Malaysia, "I'm a Scientist, Get me Out of Here" Science Buzz Project for 2011.
3. Asia America Chemical Symposium (A2CS) "Water Resources and Quality", 5-8 September 2011, Bangkok, Thailand.
Organised by: American Chemical Society and Federation of Asian Chemical Society.
Role: Invited Speaker, "Bioeffluent and An Industrial Water Source".
4. Appointed as Ketua Kumpulan untuk Strategi 2: Pembentukan Hab Pengetahuan dan Kemahiran Menerusi Pengantarbangsaan bagi Pelaksanaan PSPTN 2 Jangkauan Global Malaysia: Dimensi Baharu, 2011- present.
5. Awarded the Anugerah E-Pembelajaran (Kategori Kursus Paling Aktif) for Basic Inorganic Chemistry Course, Universiti Kebangsaan Malaysia, 2010-2011.
6. Appointed as a Member of the Advisory Committee for the Internationalisation Policy For Higher Education Malaysia.
7. Appointed as Panel Penilai, Anugerah Inovasi, Kementerian Pengajian Tinggi 2010.
8. International Conference on Teaching and Learning Education 2011, 21 June 2011.
Organised by: UNITEN
Role: Invited Speaker, "Chemists Have Solutions".
9. Karnival Kimia Malaysia, 19-20 May 2011, Kota Marudu, Sabah.
Organised by: MOSTI dan Institut Kimia Malaysia.
Role: Invited Speaker, "Air Demi Kehidupan".

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

10. Seminar Kimia Industri Ke 15 (SKI XV), 11 May 2011, Auditorium Jurutera, Universiti Putra Malaysia.
Organised by: Jabatan Kimia, Universiti Putra Malaysia.
Role: Invited Speaker, "Chemists have Solutions".
11. 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".
12. 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: Invited Panelist "Wanita Unggul Peneraju Kerjaya dan Keluarga".
13. Kolokium Pelajar Pergigian Ke-9, 25-26 January 2011, Fakulti Pergigian, Universiti Kebangsaan Malaysia.
Organised by: Fakulti Pergigian, Universiti Kebangsaan Malaysia.
Role: Invited Speaker "Are you Ready for Global Challenges".
14. 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?"
15. 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".
16. Internationalisation and Marketing of Malaysia Higher Education, 17 June 2010, Putrajaya International Convention Centre.
Organised by: Kementerian Pengajian Tinggi dan Universiti Putra Malaysia
Role: Session Chairman
17. 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?"
18. International Conference on Mathematics and Natural Sciences, 28-30 October 2008, Institut Teknologi Bandung, Indonesia.
Organised by: Institut Teknologi Bandung.
Role: Invited Speaker on "Organotin Complexes: Toxic or Beneficial?".
19. Book Assessor Exploring the Discourses on Quality Assurance and University Rankings in Asia: Country and Institutional Contexts. Penerbit USM, 2010.
20. Profiling Universiti Putra Malaysia. Gave a talk "Profiling Universiti Putra Malaysia" to the top management in Universiti Putra Malaysia, 20 April 2009.
21. Gave a talk on "Amalan terbaik untuk Penghargaan dan Pengiktirafan Akademia" to Bahagian Pengurusan Sumber Manusia, Kementerian Pengajian Tinggi, 22 August 2010.
22. Internationalisation Roadmap Workshop. Invited to deliver a talk "Internationalisation of Universiti Tun Hussein Onn Malaysia", 21-23 December 2009, M Suite Hotel, Johor Baru.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

23. Appointed as External examiner for Doctor of Philosophy thesis, Hamid Khaledi, Universiti Malaya, 2011.
24. Appointed as External examiner for Master thesis, Najwa Mohd Idris, Universiti Malaya 2011.
25. Appointed as External examiner for Master thesis, Asiah Abdullah, Universiti Putra Malaysia 2011.
26. pointed as External examiner, Vikneswaran A/L Rajamuthy, Universiti Sains Malaysia, 2011.
27. Appointed as External examiner for Master thesis, Irine Foo Ping Ping, Universiti Malaysia Sarawak, 2009.
28. Appointed as External examiner for Doctor of Philosophy thesis, Thaira Begum, Universiti Putra Malaysia, 2008.
29. Appointed as External examiner for Master thesis, Mohd. Abdul Fatah Abdul Manan, Universiti Putra Malaysia, 2008.
30. Invited to deliver a talk on "Internationalisation: Challenges and Practices" to the top management in Universiti Malaysia Terengganu, 1 March 2009.
31. Appointed by the Minister of Hogher Education to lead the *Thin Tank for Internationalisation of Malaysian University, a project to mobilize the National Higher Education Strategic Plan* under Kementerian Pengajian Tinggi Malaysia, 2007-present.
32. Strategic Planning for Universiti Malaysia Pahang, 3-6 August 2007. Delivered at talk on *Corporate Planning* to the top management in Universiti Malaysia Pahang.
33. Chairman of Technical Assessment Committee 2 for Malaysian Secondary School Chemistry Textbooks, Ministry of Education Malaysia (2001).

PUBLICATIONS

International Journals

1. 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.
2. Farina, Y., Swesi, R. & Kassim, M. 2011, Organotin(IV) Catecholato Thiosemicarbazones, *Phosphorus, Sulfur, and Silicon and the Related Elements*, **186**:1333–1335.
3. 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.
4. 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.
5. 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.
6. 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.
7. Othman, M. N., Abdullah M.P. and Farina, Y. 2010. Removal of Aluminium from Drinking Water, *Sains Malaysiana*, **39(1)**: 51-55.
8. Shaker, S., Farina, Y., Mahmmod, 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.
9. Affan, M. A., Farina, Y. and Weng, S. W. 2010. n-Butyldichlorido{4-cyclohexyl-1-[phenyl(2-pyridyl-jN)methylene]thiosemicarbazido-j2N1,S}tin(IV)chloroform monosolvate, *Acta Crystallographica Section E*, **E66**: m571.
10. Wan Juhari, W. N. S., Baba, I. Farina, Y. and Ng, S. W. 2010, Bis(N-butyl-N-ethylthiocarbamate-k2S,S')nickel(II), *Acta Crystallographica Section E*, **E66**: m339-m339.
11. Amirah Faizah Muthalib, Ibrahim Baba, Yang Farina and Seik Weng Ng, 2010., Bis(N-isopropyl-N-methylthiocarbamate-k2S,S')diphenyltin(IV), *Acta Crystallographica Section E* **66**: M354.
12. 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.

13. 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.
14. 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, *ARPJ Journal of Engineering and Applied Sciences*, **5(12)**: 1-3
15. Kayed, S. F., Farina, Y. and Simpson, J. 2009. 1-Benzothiophene-2-carbaldehyde 4-ethylthiosemicarbazone, *Acta Crystallographica Section E*, **E65**: o180-o181.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. Yousif, E., Farina, Y., Khadum, S. and Graisa, A. 2009. Triorganotin(IV) of benzamidoglycin: synthesis and fungicidal activity. *International Journal of ChemTech Research*, **1(3)**: 789-792.
25. Shaker, S.A. and Farina, Y. 2009. Preparing and characterization of some mixed ligand complexes of 1,3,7-trimethylxanthin, γ -picoline and thiocyanate with some metal ions, *American Journal of Scientific Research*, **5**: 20-26.
26. Farina, Y. and Simpson, J. 2008. (E)-3,4-Dihydroxybenzaldehyde 4- methylthiosemicarbazone, *Acta Crystallographica Section E*, **E64**: o2184-o2185.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

27. Graisa, A., Farina, Y., Yousif, E. & Kassem, M. 2008. Synthesis and characterisation of some diorganotin(IV) complexes of *N*-tolyl-*m*-nitrohydroxamic acid, *ARPJ Journal of Engineering and Applied Sciences*, **3(6)**: 47-50.
28. Kayed S.F., Farina, Y., Kassim, M., and Simpson, J. 2008. (*E*)-2-[1-(1-Benzothiophen-3-yl)ethylidene] hydrazinecarbothioamide methanol hemisolvate, *Acta Crystallographica Section E*, **E64**: o1022-o1024.
29. Kayed S.F., Farina, Y., Baba, I. and Simpson, J. 2008. *E*-3,4-Dihydroxybenzaldehyde 4-ethylthiosemicarbazone, *Acta Crystallographica Section E*, **E64**: o824-o825.
30. Farina, Y., Sanuddin, M. And Yamin, B.M. 2008. Structure of Biologically Active Organotin(IV) Dithiocarbamates, *American Institute of Physics Conference Proceedings*, **989**: 221-223.
31. Yousif, E. A., Hassan, O.A., Otaiwi, A.M. and Farina, Y. 2008. Studying conductivity of poly(vinyl chloride) using 2-thioacetic acid benzothiazole complexes as additives by measuring forbidden energy gap, *Iraqi J. Polymers*, **12(1)**: 65-78.
32. Yousif, E. A., Farina, Y. and Graisa, A. 2008. Synthesis and characterization of some diorganotin(IV) complexes of benzamidoacetic acid, *Australian Journal of Basic and Applied Sciences*, **2(4)**: 900-903.
33. Tan, K.W., Farina, Y., Ng, C.H., Maah M.J., and Ng. S.W. 2008. 3,4-Dihydroxybenzaldehyde thiosemicarbazone, *Acta Crystallographica Section E*, **E64**: o1073.
34. Tan, K.W., Farina, Y., Ng, C.H., Maah M.J., and Ng. S.W. 2008. 3,4-Dihydroxybenzaldehyde 4-phenylthiosemicarbazone, *Acta Crystallographica Section E*, **E64**: o1035.
35. Graisa, A.M., Farina, Y., Kassim, M., Rizal, M.R. and Ng, S.W. 2008. 3-Methoxy-*N*-*p*-tolylbenzo-hydroxamic acid, *Acta Crystallographica Section E*, **E64**: o251.
36. Abdurazaq T. Swesi, Yang Farina and Ibrahim Baba, 2007, Synthesis and Characterisation of Some Diorganotin(IV) Complexes of 2,3-Dihydroxybenzaldehyde *N*(4)-Substituted Thiosemicarbazone, *Sains Malaysiana*, **36, 1**: 21-26.
37. Yip, F.W., Farina Y., Teoh, S.G., Inayat-Hussain, S.H., Yamin B.M., Baba I. and Ali, A.M. 2006, Effect of Additional Methylene Groups of Triphenyltin(IV) Complex Derivatives of Dicarboxylic Acids on Cytotoxicity Tests on Human Promyelocytic Leukemic Cells and ¹¹⁹Sn NMR Resonance, *Malaysian Journal of Pharmaceutical Sciences*, **4(2)**: 33-47.
38. Abdurazaq T. Swesi, Yang Farina and Seik Weng Ng, 2006, [2,6-Diacetylpyridine bis(4-ethylthiosemicarbazonato)-K₅N,N',N'',S',S'']dimethyltin(IV) dichloride, *Acta Crystallographica Section E*, **E62**: m3022-m3023.
39. Abdurazaq T. Swesi, Yang Farina, Ramaiyer Venkatraman and Seik Weng Ng, 2006, A 1:1 cocrystal of chloro(4-ethyl-1-isopropylidene-3-thiosemicarbazida-K₂ N₃,S)dimethyltin(IV) and 4-ethyl-1-isopropylidene-3-thiosemicarbazone, *Acta Crystallographica Section E*, **E62**: m3120-m3021.
40. Abdurazaq T. Swesi, Yang Farina, Ramaiyer Venkatraman and Seik Weng Ng, 2006, Chloro(1-isopropylidene-4-methyl-3-thiosemicarbazidato-K₂N₃,S)diphenyltin(IV), *Acta Crystallographica Section E*, **E62**: m3016-m3017.
41. Abdurazaq T. Swesi, Yang Farina, Ramaiyer Venkatraman and Seik Weng Ng, 2006, (Acetone 4-phenylthiosemicarbazonato-K₂N,S)chlorodiphenyltin(IV), *Acta Crystallographica Section E*, **E62**: m3018-m3019.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

42. Abdurazag T. Swesi, Yang Farina, Mohammad Kassim and Ng Seik Weng, 2006, 2,3-Dihydroxybenzaldehyde thiosemicarbazone hemihydrate, *Acta Cryst. Section E*, **E62**, o5457-o5458.
43. Abdurazag T. Swesi, Yang Farina and Bohari M. Yamin, 2005, Chloro(1-isopropylidene-4-methyl-3-thiosemicarbazidato-k²N³,S)dimethyltin(IV), *Acta Cryst.*, **E61**, o2421-o2423.
44. M. Sanuddin, Y. Farina & B.M. Yamin, 2004, N-Ethyl-N-propyldithiocarbamato)triphenyltin(IV), *Acta Cryst.*, **E60**: m1662-m1663.
45. Elhadi Elbay Saad, Yang Farina, Bohari M. Yamin. 2003. o-Methoxy-N-phenylbenzohydroxamic acid, *Acta Cryst.*, **E59**: 1-2.
46. Elhadi Elbay Saad, Yang Farina, Ibrahim Baba, dan Abdul Hamid Othman, 2003, Synthesis and Characterisation of Some Diorganotin Bis(N-methyl o-nitrobenzohydroxamate), *Sains Malaysiana*, **32**: 79-86.
47. Baba, K.Y. Low, Y. Farina, A.H. Othman and Hoog-Kun Fun, 2003, Synthesis and Characterisation of Ethylisopropyldithiocarbamate Complexes and Structure of Cd₂[S₂CN(Et)(iPr)₄], *Asean Journal on Science and Technology for Development*, **20(2)**: 109-115.
48. Yang Farina, Abdul Hamid Othman, Ibrahim Baba, Ng Seik Weng, dan Hoong-Kun Fun. 2002. Organotin dithiocarbamates derived from hydroxylated amines, *Main Group Met. Chem.*, **25** : 67-72.
49. Ibrahim Baba, Lay Hoon Lee, Yang Farina, A. Hamid Othman, Abdul Razak Ibrahim, Awang Usman, Hoong-Kun Fun, and Seik Weng Ng. 2002. Bis(u-N-Methyl-N-phenyldithiocarbamato)[bis(N-methyl-N-phenyldithiocarbamato)zinc(II)], *Acta Cryst.*, **E58**, m744-m745.
50. Ibrahim Baba, Kassim Karimah, Yang Farina, Abdul Hamid Othman, Abdul Razak Ibrahim, Awang Usman, Hoong-Kun Fun, and Seik Weng Ng, 2002, Tris(N-butyl-ethyldithiocarbamato)bismuth(III), *Acta Cryst.*, **E58**, m756-m757.
51. Kean Yon Low, Ibrahim Baba, Yang Farina, A. Hamid Othman, Abdul Razak Ibrahim, Hoong-Kun Fun & Seik Weng Ng. 2001. Crystal structure of tris(2-hydroxyethylisopropyldithiocarbamato)antimony and tris(2-hydroxyethylisopropyldithiocarbamato)bismuth hemihydrates, *Main Group Met. Chem.*, **24** : 451-452..
52. Baba, I., Farina, Y., Kassim, K., Othman, A.H., Razak, I.A., Fun, H.-K. & Ng, S.W. 2001. Bis(μ-N-butyl-N-ethyldithiocarbamato-S:S')bis[(N-butyl-N-ethyldithiocarbamato) zinc(II)], *Acta Cryst.*, **E57**: m55-m56.
53. Yang Farina, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun, Seik Weng Ng & Ibrahim Baba. 2001. Bis[N,N-bis(2-hydroxyethyl)dithiocarbamato-S,S']-diphenyltin(IV), *Acta Cryst.*, **E57**: m46-m47.
54. Yang Farina, Ibrahim Baba, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun & Seik Weng Ng. 2001 Bis[N,-bis(2-hydroxyethyl)-N-methyldithiocarbamato-S,S']-diphenyltin, *Acta Cryst.*, **E57**: m41-m42.
55. Yang Farina, Ibrahim Baba, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun & Seik Weng Ng. 2001 Tetragonal modification of 1,1,3,3,5,5,-hexamethyl;-cyclo-1,3,5-tristannathiane, *Acta Cryst.*, **E57**: m37-m38.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

56. Ibrahim Baba, Yang Farina, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun & Seik Weng Ng. 2001. Bis(*N*-cyclohexyl-*N*-ethylthiocarbamate-*S,S'*)lead(II), *Acta Cryst.*, **E57**: m35-m36.
57. Ibrahim Baba, Sukeria Ibrahim, Yang Farina, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun & Seik Weng Ng. 2001. Tris(*N*-cyclohexyl-*N*-methylthiocarbamate-*S*)antimony(III), *Acta Cryst.*, **E57**: m39-m38.
58. Ibrahim Baba, Yang Farina, A. Hamid Othman, Ibrahim Abdul Razak, Hoong-Kun Fun & Seik Weng Ng. 2001. Bis(μ -*N*-ethyl-*N*-isopropylthiocarbamate-*S:S'*)bis[(*N*-ethyl-*N*-isopropylthiocarbamate-*S:S'*)zinc(II)], *Acta Cryst.*, **E57**: m51-m52.
59. Yang Farina, Ibrahim Baba, A. Hamid Othman & Seik Weng Ng. 2000. Crystal structure of dibutyltin Bis(*N,N*-diisopropylthiocarbamate), *Main Group Metal Chemistry*, **23** : 795-796.
60. Y. Farina, A. Hamid Othman, Ibrahim Baba, K. Sivakumar, H.K. Fun & S.W. Ng. 2000. Bis [(bis-2-hydroxyethyl)dithiocarbamate]dimethyltin(IV), *Acta Cryst.*, **C56** : e84-85.
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63. Y. Farina, Bohari M. Yamin, Hoong-Kun Fun, Boon-Chuan Yip dan Siang-Guan Teoh. 1995. *trans*-[Bis(3-hydroxy-2-phenyl-4*H*-1-benzopyran-4-onato) bis (pyridine)nickel(II)], *Acta Cryst.*, **C51** : 1537-1540.
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National Journals

66. Sanuddin, M., Farina, Y., Yamin, B. M. dan Baba Y. 2005. Sintesis dan pencirian sebatian kompleks diorganostannum(IV) ditiokarbamat. *Sains Malaysiana*, **34**(2): 107-112.
67. Yip Foo Win, Yang Farina, Ibrahim Baba, Abdul Hamid Othman, 2004, Penyediaan Dan Kajian Spektroskopi Terhadap Sebatian Organostannum(IV) Dengan Asid Dikarboksilik, *Sains Malaysiana*, **33**(1):157-166.
68. Normah Awang, Ibrahim Baba and Yang Farina, 2004, Sintesis dan pencirian kompleks organostannum(IV) sek-butylpropilditiokarbamat: Struktur hablur bis(*N,N*-sek-butylpropilditiokarbamatato)dimetilstanum(IV), *Sains Malaysiana*, **33**(2): 35-43.
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76. Ibrahim Baba, Normah Awang & Yang Farina Abdul Aziz. 1998. Synthesis and characterisation of M(2-Methylethanoldithiocarbamate)_n, M= In, Pd, Co & Ag, *Buletin Kimia*, **13** : 33-38 (Malay).
77. Ibrahim Baba, Kamariah Muda, Yang Farina & Abdul Hamid Othman. 1998. Complexes of phenylethanoldithiocarbamate from Ni(II), Pb(II), Pd(II) & Zn(II) metal ions, *J. Sains Malaysiana*, **27** : 127-133 (Malay).
78. Y. Farina, I. Baba, A.H. Othman & N. Fadzilah. 1997. Synthesis and characterisation of dimethylstannum(IV) complexes of substituted catechol, *Jurnal Sains.*, **5(2)** : 665-669.
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81. Yang Farina Abdul Aziz, Ibrahim Baba, Rahmah Mohamad dan Nor Fadzilah Othman. 1996. Diorganostannum(IV) derivatives of 3,4-dihydroxybenzoic acid: Synthesis, chemical and biological characterisation, *Malays. J. Anal. Sci.*, **2(1)** : 31-39 (Malay).
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DECEMBER 2011**

85. Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1995. Analysis of stannum catecholates using ^1H and ^{13}C nuclear magnetic resonance methods, *Malays. J. Anal. Sci.*, **1(1)** : 75-82 (Malay).
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87. Jariah Abdullah, Ibrahim Baba and Yang Farina Abdul Aziz. 1995. Study on the morphology of ferrum compounds precipitate in gel using electron microscope, *Malays. J. Anal. Sci.*, **1(2)** : 211-219 (Malay).
88. Yang Farina Abdul Aziz, Bohari M. Yamin and Ibrahim Baba. 1994. Teaching of Basic Inorganic Chemistry at the Department of Chemistry, Universiti Kebangsaan Malaysia, *Bul. Kim.*, **9(2)**, 167-174 (Malay).
89. Ibrahim Baba, Normah Awang, Yang Farina Abdul Aziz and Jariah Abdullah. 1994. Synthesis and characterisation of methylethanoldithiocarbamate complexes of Zn(II), Cd(II) and Hg(II), *Bul. Kim.*, **9(2)** : 117-121 (Malay).
90. Ibrahim Baba, Yang Farina Abdul Aziz, Normah Awang and Jariah Abdullah. 1994. Diethanoldithiocarbamate complexes of Group 12 Elements, *Faculty of Physical & Applied Sciences Technical Report*, **6** : 184-191 (Malay).
91. Jariah Abdullah, Ibrahim Baba and Yang Farina Abdul Aziz. 1994. Precipitation of argentum compounds from photographic waste effluent using the gel technique, *Faculty of Physical & Applied Sciences Technical Report*, **6** : 192-198 (Malay).
92. Yang Farina Abdul Aziz. 1994. Reaction of stannum(II) with anions of catechol and substituted catechol, *Jurnal Sains Malaysiana*, **23(2)** : 85-95 (Malay).
93. Yang Farina Abdul Aziz. 1990. The complexes of stannum(IV) with catechol, 3-hydrokxyflavone and quercetin, *Bul. Kim.*, **5(2)** : 61-71 (Malay).
94. Yang Farina Abdul Aziz. 1989. The preparation and characterisation of tin(IV) complexes of catechol and substituted catechol, *Jurnal Sains Malaysiana*, **18(2)** : 89-98.

Proceedings: Have written 100 chemistry articles in international and local seminar proceedings and abstracts.

Book: Y. Farina. 2011. Struktur dan Kereaktifan Biologi Kompleks Organotimah, Penawar atau Racun, Penerbit UKM.

Articles in books: 5

Others (reports, editing and manuals etc.): 75

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

Publications on Internationalisation and Higher Education

95. Morshidi, S., Ahmad Farhan, MS., Ibrahim, K., Koo, Y.L., Nik Meriam, N.S., Norzaini A., Yang Farina, A.A. and Wong. W. 2010. Research and collaboration in an expanding higher education market in Asia-Pacific, Chapter in a book *Globalisation and Tertiary Education in the Asia-Pacific, The Changing Nature of a Dynamic Market*, Findlay, C. & Tierney, T.G. (eds), Association of Pacific Rim Universities (APRU), The Pacific Economic Cooperation Council (PECC) & World Scientific Printers.
96. Yang Farina Abdul Aziz. 2010. Empowering young minds. *Education, Let's Hear It, Sunday Star*, 22 May 2010.
97. Yang Farina Abdul Aziz. 2008. Are we really free in our minds?, *Letter to the Star Editor*, 26 August.
98. Yang Farina Abdul Aziz. 2008. A case of content vs profile, *Letter to the Star Editor*, 29 January.
99. Yang Farina Abdul Aziz. 2007. Let's resolve to change for the better, *Letter to the Star Editor*, 23 December.
100. Yang Farina Abdul Aziz. 2007. Touched by historic lift-off, *Letter to the Star Editor*, 12 October.
101. Ibrahim Komoo, Norzaini Azman and Yang Farina Abdul Aziz. 2008. Malaysian Research Universities and Their Performance Indicators, *Bulletin of Higher Education Research*, 11: 5-7.
102. 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.
103. Yang Farina Abdul Aziz. 2006. Teaching Science and Mathematics, Take the right step forward, *Letter to the Star Editor*, 17 February.
104. Norzaini Azman and Yang Farina Abdul Aziz. 2006. Internationalisation of Malaysian Universities: A Case Study of the National University of Malaysia, *Malaysian Journal of University Education*, 2: 1-24.
105. Mohammed Salleh Mohammed Yasin, Yang Farina, Norzaini Azman and Madeline Berma. 2006. Universities and Sustainable Development: The Universiti Kebangsaan Malaysia Experience, *Proceedings of the 2006 Conference of ACU Executive Heads*, University of Adelaide, 9-12 April 2006, 10 pages.
106. Yang Farina, Nor Zaini Azman & Mazlin B. Mokhtar. 2005. International Education of Malaysian Univesities: Perspectives of a National University, *Proceedings of the AUF 5th Annual Conference, October 12-15, Hotel Equatorial Bangi*, 32-49, ISBN: 89-8423-165-7.
107. Mohd. Salleh Mohd. Yasin and Yang Farina. 2005. Internationalising A National University: The Universiti Kebangsaan Malaysia Experience, *Oxford Roundtable*, 3-8 Julai 2005, St. Anthony's College, Oxford University, England, United Kingdom.
108. Mohd. Salleh Mohd. Yasin and Yang Farina. 2005. The National University Reaching Out, *The 2005 ASAIHL Seminar on Application of Computing and Information Technology in Higher Learning*, 27-29 Jun 2005, Universiti Brunei Darusalam.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

109. Yang Farina, Mohd. Salleh Mohd. Yasin, Nor Zaini Azman & Salmah Zainal Abidin. 2005. International Education in Malaysia and ASEAN, *EU-ASEAN University Cooperation Seminar*, 22-23 September 2005, University of Alicante, Spain.
110. Mohd. Salleh Mohd. Yasin dan Yang Farina. 2005. Enhancing Networking in a Globalised World: Experiences of a National University with an International Reach, *Proceedings of 6th AUAP General Conference*, 4-8 September 2005, Universitas Surabaya, Indonesia, 17-30.
111. Mohd. Salleh Mohd. Yasin and Yang Farina. 2005. Internationalising a National University: The Universiti Kebangsaan Malaysia Experience, *2005 Asian University Presidents Forum Keynote Speeches and Presentations*, 7-9 October 2005, Pai Chai University, Daejeon, Korea, 69-86.
112. Mohd. Salleh Mohd. Yasin, Abdullah Sani Mohamed and Yang Farina, 2004, Moulding Leadership and Global Competencies, *International Conference on Student Development*, 16 – 18 April 2004, Universiti Utara Malaysia, Kedah.
113. Mohd. Salleh Mohd. Yasin, Mazlin Mokhtar and Yang Farina, 2004, University Mobility for Global Understanding: Experiences of Universiti Kebangsaan Malaysia in Asia and the Pacific, Kertas dibentangkan di Asia and Pacific International Conference 2004 (UMAP Conference 2004), 4-6 Oktober 2004, Universiti Malaysia Sabah, Kota Kinabalu, Sabah.
114. Mohd. Salleh Mohd. Yasin, Che Husna Azhari and Yang Farina, 2004, Perspectives of a National University Towards Building A Knowledge-Based Society, Paper presented at the Quality Assurance in and Mutual Recognition of Qualifications between Research Universities GUNI-AP Symposium Series 1, 20-21 September 2004, University of Hangzhou, China,.
115. Mohd. Salleh Mohd. Yasin, Mazlin Mokhtar and Yang Farina, 2004, Universiti Kebangsaan Malaysia Plays a Leading Role in Capacity Building for Malaysia and the Region, Papaper presented at the Asian University Presidents Forum, 30 – 31 October 2004, Shanghai International Studies University, China.
116. Yang Farina, Mazlin B Mokhtar and Che Husna Azhari, 2003, Universiti Kebangsaan Malaysia (UKM) in a Borderless World, *The 4th Comparative Education Society of Asia (CESA) Biennial Conference Proceedings*, 21-22 July 2003, Indonesia University of Education, 10pages.
117. Mazlin B. Mokhtar, Yang Farina Abdul Aziz, Imran Ho Abdullah, Abdul Hamid Othman and Anthony Ulek, ak. Jetti, 2003, Sustaining Education in Malaysia: UKM a Key Player in Capacity Building, *The 4th Comparative Education Society of Asia (CESA) Biennial Conference Proceedings*, 21-22 July 2003, Indonesia University of Education, 10 pages.
118. Yang Farina, Che Husna Azhari, Siti Naaisah Hambali and Mazlin B. Mokhtar. 2003. Internationalisation Programmes in Universiti Kebangsaan Malaysia: Bridging Communities and Opening Minds, *The 27th General ASAIHL Conference*, Jakarta, 11 pages (compact disc).
119. Abdul Samad Hadi, Yang Farina, Mazlin B Mokhtar, Che Husna Azhari, Zalizan Jelas. 2002. Internationalisation of Universiti Kebangsaan Malaysia: Policies and Strategies, *Proceedings of the 25th General ASAIHL Conference, Vision 2020 Revisited*, Mahidol University, Thailand., 1-10.
120. Abdul Samad Hadi, Mazlin B. Mokhtar, Zalizan Jelas, Yang Farina. 2002. Universiti Kebangsaan Malaysia, The national university with an international reach: Opportunities and Challenges in the 21st Century, *16th Australian International Education Conference Proceedings*, 1-10, Website, <http://www.idp.com/16aiecpapers/>.
121. Yang Farina Abdul Aziz, February 2007, Bridging the Gap between European and Malaysian Universities, Prospect, 2:74-75 ISSN:

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

122. Yang Farina Abdul Aziz, January/ 2006, ASEAN and EU Rectors Convened in Leuven, *Resonance*, **10**: 4-5 ISSN: 1675-7270.
123. Yang Farina Abdul Aziz, Salmah Zainal Abidin dan Zie Fazleen Hashim, January/ 2006, Goodbye UNCOFIN Goodbye AUNP, *Resonance*, **10**: 10-11 ISSN: 1675-7270.
124. Yang Farina Abdul Aziz, July/ 2005, Jane Goodall: a Lady of Endless Patience, *Resonance*, **8**: 8-9, ISSN: 1675-7270.
125. Yang Farina Abdul Aziz, July/ 2005, The ASAIHL 2005 Seminar in Brunei Darussalam, *Resonance*, **8**: 18, ISSN 1675-7270.
126. Yang Farina Abdul Aziz, July/ 2005, Mobility Programmes for UKM Students, *Resonance*, **8**: 24-25, ISSN: 1675-7270.
127. Abdullah Sani Mohamed and Yang Farina Abdul Aziz, January/ 2005, Stem Cells: The Power to Heal, *Resonance*, **6**: 3, ISSN 1675-7270.
128. Yang Farina Abdul Aziz, January/ 2005, The Spanish Sojourn, *Resonance*, **6**: 12-13, ISSN 1675-7270.
129. Yang Farina Abdul Aziz, January/ 2005, UKM Co-Hosts the 5th Asian University Federation Conference of Presidents, *Resonance*, **6**: 27, ISSN 1675-7270.
130. Nor Muhammad Mahadi, Rahmah Mohamed, Yang Farina Abdul Aziz and Salmah Zainal Abidin, April/ 2005, Malaysian Genome Institute at UKM, *Resonance*, **7**: 3-4 & 7, ISSN 1675-7270.
131. Yang Farina Abdul Aziz, April/ 2005, Internationalising Bahasa Melayu, *Resonance*, **7**: 6-7, ISSN 1675-7270.
132. Yang Farina Abdul Aziz, April/ 2005, UKM Intensifies the Irish Connections, *Resonance*, **7**: 8-11, ISSN 1675-7270.
133. Yang Farina Abdul Aziz, April/ 2005, UKM Visits Western Australia, *Resonance*, **7**: 15-17, ISSN 1675-7270.
134. Abdullah Sani Mohamed and Yang Farina Abdul Aziz, April/ 2005, UKM's E-Administration, *Resonance*, **7**: 8-11, ISSN 1675-7270.
135. Jacek Januschkwitz and Yang Farina Abdul Aziz, July/ 2004, Intensive German Course for Engineering Students, *Resonance*, **4**: 20, ISSN 1675-7270.
136. Yang Farina Abdul Aziz, October/ 2004, The Indonesian Connection, *Resonance*, **5**: 19-20, ISSN 1675-7270.
137. Abdullah Sani Mohamed and Yang Farina Abdul Aziz, October/ 2004, Professor Emeritus Dato' Dr. Khalid Kadir's Never Ending Journey, *Resonance*, **5**: 18 & 20, ISSN 1675-7270.
138. Yang Farina Abdul Aziz, October/ 2004, The English Speaking Union Quest in Creating Global Understanding Through English, *Resonance*, **5**: 28 & 30, ISSN 1675-7270.
139. Yang Farina Abdul Aziz and Ruhizan Mohd Yassin, October/ 2004, Asia-Link: Gateway to Greater Networking in Asia and European Union, *Resonance*, **5**: 29-30, ISSN 1675-7270.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

RESEARCH

CHEMISTRY

1. Fellow Researcher, UKM-HEJIM-KOMUNITI-2011-032, Water: A Chemical Solution - The Global Chemistry Experiment in Malaysia, RM40,000, 2011-2012.
2. Fellow Researcher, UKM-HEJIM-KOMUNITI-08-2010, Pembudayaan Penjimatan Air Di Kalangan Masyarakat Negeri Sembilan, RM25,000, 2011-2012.
3. Head Researcher, , UKM-HEJIM-INDUSTRI-10-2010, Meningkatkan Penggunaan Semula Air Terawat Dan Enapcemar Sisa Pembentukan, RM32,000, 2010-2012.
4. Head Researcher UKM-ST-06-FRGS0112-2009, Synthesis, Characterisation and Biological Study of Thiophene Semi/Thio-Semicarbazone Ligands and Their Metal Complexes, 2009-present.
5. Head Researcher UKM-GUP-NBT-08-27-112, Synthesis and Characterisation of Biologically Active Organotin Thiosemicarbazones, 2008-present.
6. 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.
7. Fellow Researcher, Teknologi Terkini dalam Pemantauan dan Pengolahan Air, Geran Universiti Penyelidikan (GUP), UKM-GUP-NBT-08-27-114 , RM70000.00, 2008-present.
8. Head Researcher UKM-ST-01-FRGS0022-2006, Synthesis and characterisation of novel multidentate iron chelating agents, 2006-2009.
9. Fellow Researcher ST-027-2004-GL: Synthesis and Characterisation of Tris(pyrazolyl)borato-nitrosylmolybdenum Complexes with Dioxolene/Dithiolene Ligands, RM 160,000, 2005-2007.
10. 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.
11. Head Researcher IRPA 09-02-02-0133: Synthesis, characterisation and biological activity study of new oxygen and sulphur chelated organotin, RM 113,000, September 2000 – April 2003.
12. Head Researcher UKM S/6/98: Synthesis of Biologically Active Organotin, RM 12,000, January 1999 – December 2000.
13. Fellow researcher IRPA 09-02-02-0090: Syntheses and Characterisation of Thiosemicarbazones and their Metal Complexes, RM 119,000, 1999 - 2002.
14. 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.
15. Fellow researcher IRPA 09-02-02-0010: Synthesis and Application of Dithiocarbamate Compounds, RM252,500.00, 1996-1999.
16. 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.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

17. 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.
18. Head researcher UKM 61/89: Complex Formation of Tin(II) and Aluminium(III) With Catechol and Substituted Catechol, RM8,000,.
19. Fellow researcher & project treasurer UKM 74/91: Study on the Literacy of Academicians in UKM, RM21,500, November 1991 – December 1992.

INTERNATIONALISATION

1. Head Researcher, Contract Research with Ministry of Higher Education Malaysia, STGL-005-2011, Redefining Internationalisation in Malaysia, RM 155,000, 2011-2012.
2. Fellow Researcher, , Contract Research with Ministry of Higher Education Malaysia, Kajian Rangka Kerja Pengurusan Pelajar Antarabangsa, RM 130,000, 2011-2012.
3. Fellow Researcher, Contract Research with Ministry of Higher Education Malaysia, Setting up of International Branch Campus Overseas, 2010-2011.
4. 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..
5. 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.
6. Coordinator in UKM, University Cooperation for Internationalisation (UNCOFIN), Asean University Network Programme, AUNP, Euro 173,000, 2003 – 2005.
7. Coordinator in UKM, International Master of Applied Mathematics and Information Sciences, Asia Link Project, Euro 230,000, September 2004- 31 August 2006.

CONSULTANCY

1. Critical Agenda Project (CAP) for Academia, National Higher Education Strategic Plan. 2010-present.
2. Critical Agenda Project (CAP) for Internationalisation, National Higher Education Strategic Plan. 2010-present.
3. Internationalisation Roadmap Workshop. Gave a talk entitled "Internationalisation of Universiti Tun Hussein Onn Malaysia" and was the moderator for the workshop, 21-23 Disember 2009, M Suite Hotel, Johor Baru.
4. Strategic Planning for Universitas Surabaya, April 2004. Gave a one day seminar on how to implement a strategic plan to the top management at Universitas Surabaya, Indonesia.
5. Environmental Manangement Plan (EMP) & Emergency Response Plan (ERP) for LDPE Plant at Kerteh, Terengganu Darul Iman, PETLIN.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

6. Environmental Management Plan (EMP) & Emergency Response Plan (ERP) for Kuantan Port Authority, Pahang.
7. Environmental Management Plan (EMP) for the Construction of 950m Berth at Bintulu Port.
8. Environmental Auditing for the Construction of 950m Berth at Bintulu Port.
9. The Study of a Scheme on the Assessment and Registration of Chemicals.
10. Environmental Impact Assessment for Mixed Development Project at Felda Soeharto, Mukim Ulu Bernam, Hulu Selangor, Selangor Darul Ehsan.
11. Environmental Impact Assessment for Mixed Development Project at Felda Gedangsa, Mukim Ulu Bernam, Hulu Selangor, Selangor Darul Ehsan.

CONFERENCES/SEMINARS/SHORT COURSES (2011-2005)

1. **Karnival Kimia Malaysia, 19-20 Mei 2011, Kota Marudu, Sabah.**
Organised by: MOSTI dan Institut Kimia Malaysia.
Role: Invited Speaker, "Air Demi Kehidupan".
2. **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".
3. **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".
4. **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".
5. **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".
6. **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".
7. **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?"
8. **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".
9. **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".
10. **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.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

11. **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?"
12. **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".
13. **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".
14. **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.
15. **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?".
16. **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".
17. **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?".
18. **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"
19. **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.
20. **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.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

21. **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.
22. **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.
23. **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.
24. **4th International Conference on Teaching and Learning, 5-8 December 2006, National University of Singapore.**
Organised by: University of Singapore
Role: Participant.
25. **UiTM s Conference of Vice-Chancellors 2006, 8 November 2006, Hotel Concorde Shah Alam Selangor.**
Organised by: University of Technology MARA
Role: Participant.
26. **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.
27. **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.
28. **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.
29. **Second ASEAN-EU Rectors Conference on Borderless Education-Opportunity and Threats, 11-15 November 2005, Leuven, Belgium.**
Organised by: Universitet Katholeit Leuven
Role: Presenter and participant.
30. **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.
31. **UNCOFIN Workshop, 20-24 September 2005, University of Alicante, Spain.**
Organised by: University of Alicante
Role: Presenter and participant.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

32. **The 2005 ASAIHL Seminar on Application of Computing and Information Technology in Higher Learning, 27-29 June 2005, Universiti Brunei Darusalam.**
Organised by: ASAIHL and University of Brunei Darusalam.
Role: Joint presenter of plenary paper and participant.
33. **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.
34. **Kursus Keselamatan di Tempat Kerja UKM ke-7, Bayu Beach Resort, Port Dickson, 18 Mei 2004.**
Organised by: Pejabat Pengawas Keselamatan Universiti Kebangsaan Malaysia.
Role: Invited Speaker.
35. **Bengkel Audit Dalaman ISO 9001:2000 Program Pengajian Siswazah, Equatorial Hotel, Bangi, 12-13 April 2004.**
Organised by: Pusat Pengajian Siswazah
Role: Peserta
36. **Bengkel Audit Kualiti, Bilik Kuliah 1, Pusat Pengajian Siswazah, 23 Mac 2004.**
Organised by: Pusat Pengajian Siswazah
Role: Peserta
37. **Bengkel Pengurusan Komunikasi Korporat, Hotel Shangrila, Putrajaya, 27 Februari 2004.**
Organised by: Pusat Perhubungan Awan dan Antarabangsa dan Pusat Pengajian Komunikasi dan Media.
Role: Ketua Pelapor
38. **Bengkel ISO 9001:2000, Equatorial Hotel, Bangi, 15-16 Disember 2003.**
Organised by: Pusat Pengajian Siswazah
Role: Peserta
39. **27th ASAIHL General Conference, Seminar on Quality Assurance in Higher Education Institutions: A Strive Towards Professionalism, Universitas Indonesia, 9-11 Disember 2003.**
Organised by: Universitas Indonesia & ASAIHL
Role: Pembentang kertas bagi pihak Universiti Kebangsaan Malaysia
Kertas yang dibentangkan:
Yang Farina, Che Husna Azhari, Siti Naaisah Hambali and Mazlin B. Mokhtar, *Internationalisation Programmes in Universiti Kebangsaan Malaysia: Bridging Communities and Opening Minds.*
40. **Alumni Summer School, University of Duisburg-Essen, 13-24 Oktober 2003.**
Organised by: University of Duisburg-Essen
Role: Peserta
41. **Simposium Kimia Analisis Malaysia Ke 16, Holiday Inn Resort, Damai Lagoon, Kuching, 9-11 September 2003.**
Organised by : Universiti Malaysia Sarawak and Analytical Sciences Society of Malaysia.
Role: Chairman of Session 4B and Paper Presenter
Kertas yang dibentangkan:
 - Yang Farina, Tan Kong Wai, Ibrahim Baba and Abdul Hamid Othman, *Synthesis and Characterisation of Organotin Complexes of Schiff Base derived from 3,4-dihydroxybenzaldehyd* Ibrahim Baba, Normah Awang, Yang Farina and Bohari M. Yamin, *Dibutyltin(IV) Alkylcyclohexyldithiocarbamate: Crystal Structures of (n-Methyl-N-Cyclohexyl dithiocarbamato)- and (N-ethyl-n-cyclohexyldithiocarbamato)dibutyltin(IV).*

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

- Ibrahim Baba, Normah Awang, Yang Farina and Bohari M. Yamin, *Synthesis and Spectroscopic Characterization of (N-alkyl-N-cyclohexyldithiocarbamate)triphenyltin(IV)*.
42. **Bengkel Pengurusan Pelajar Antarabangsa, Regency, Port Dickson, 26-27 September 2003.**
Organised by: Bahagian Hubungan Antarabangsa, PUSPA, UKM.
Role: Pengerusi
 43. **Kursus Keselamatan, Pengurusan dan Pelupusan Bahan Kimia , Kursus Pendek, Universiti Teknologi Mara (UiTM), Cawangan Jengka, Pahang, 12 Julai 2003.**
Organised by: .Program Diploma Sains UiTM Kampus Jengka
Role: Invited Speaker.
 44. **4th Comparative Education Society of Asia (CESA) Biennial, Bandung, 21-22 July 2003.**
Organised by: Indonesia University of Education
Role: Pengerusi Sesi Plenari IX dan Pembentang Kertas
Kertas yang dibentangkan:
 - Yang Farina, Mazlin B Mokhtar and Che Husna Azhari, *Universiti Kebangsaan Malaysia (UKM) in a Borderless World*.
 - Mazlin B. Mokhtar, Yang Farina Abdul Aziz, Imran Ho Abdullah, Abdul Hamid Othman dan Anthony Ulek, ak. Jeti, *Sustaining Education in Malaysia: UKM a Key Player in Capacity Building*.
 45. **Seminar Dasar Sains dan Teknologi Negara Kedua dan Pelan Tindakan, Mariott Putrajaya, 30 Jun 2003.**
Organised by: Kementerian Sains, Teknologi dan Alam Sekitar
Role: Peserta.
 46. **Bengkel Sehari Polisi Sains dan Teknologi Kedua, Equatorial Hotel Bangi, 20 Jun 2003.**
Organised by: Pusat Pengurusan Penyelidikan
Role: Peserta
 47. **Seminar Pengurusan Universiti Penyelidikan Malaysia dan Indonesia, Awana Genting Highlands, 29-30 Mei 2003.**
Organised by: Pusat Pembangunan Akademik UKM dan Kedutaan Indonesia.
Role: Peserta.
 48. **Kursus Keselamatan di Tempat Kerja UKM ke-6, Hotel Grand Continental, Melaka, 20-22 Mei 2003.**
Organised by: Pejabat Pengawas Keselamatan Universiti Kebangsaan Malaysia.
Role: Invited Speaker.
 49. **Malaysian Education Summit 2003, Hotel Istana, 29-30 Mei 2003.**
Organised by: Asian Strategy and Leadership Institute (ASLI)
Role: Peserta
 50. **Bengkel Pemantapan Laman Web Universiti Kebangsaan Malaysia Versi Bahasa Inggeris, Allson Klana Seremban, 25-27 April 2003.**
Organised by: Bahagian Hubungan Antarabangsa, Pusat Perhubungan Awam dan Antarabangsa (PUSPA).
Role: Pengerusi
 51. **Bengkel Laporan Pelan Strategik UKM Penggal 1, Guoman Resort Port Dickson, 2-4 April 2003.**
Organised by: Pusat Pembangunan Akademik UKM
Role: Peserta

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

50. Fifth UKM-ITB Joint Seminar on Chemistry, Equatorial Hotel Melaka, Melaka Bandaraya Bersejarah, 16-17 July 2002.

Organised by : School of Chemical Sciences and Food Technology

Role : Secretary and Paper Presenter

Paper presented:

- Norliawati M. Sidek, Y. Farina, Ibrahim Baba and Abdul Hamid Othman. 2002. *Synthesis and Characterisation of Dimethylstannum(IV) 3-(metil)propanolnitrilditiocarbamate.*
- Yip Foo Win, Y. Farina, Ibrahim Baba and Abdul Hamid Othman. 2002. *Preparation and Spectroscopic Studies on Dibutylstannum(IV) Di-4-(metylamino)benzoate.*
- Elhadi Elbay Saad, Y. Farina, Ibrahim Baba and Abdul Hamid Othman. 2002. *Synthesis and Characterisation of Organotin(IV) Complexes of N-methyl-o-methoxybenzohydroxamic Acid.*
- Inayat-Hussain S.H., Rajab NF, Dewa N, Ishak MHA, Ali M, Anuar BO and Y. Farina. 2002. *Cytotoxicity of Organotin Derivatives in Human Promyelocytic Leukemia HL-60 Cells.*

51. Strategic Workshop on Internationalisation of Higher Education, Hotel Armada, Petaling Jaya, 23-24 April 2002.

Organised by: Unggas Aneka and Chems Consultant

Role: Participant

52. Asia Pacific Symposium on Information and Communication Technology in Chemical Education, Research and Development 2002, Corus Hotel, Kuala Lumpur, 28-30 March 2002.

Organised by: Institut Kimia Malaysia

Role: Participant

53. Seminar on OSH Regulations on Use and Standard of Exposure of Chemicals Hazardous to Health, Eastin Hotel, Petaling Jaya, 21 March 2002.

Organised by: Institut Kimia Malaysia

Role : Participant

54. First Joint Seminar on Universiti Kebangsaan Malaysia-Gerhard-Mercator University International Academic Cooperation, Kelab Rekreasi Universiti Kebangsaan Malaysia, 21 February 2002.

Organised by: Centre for Public and International Relations.

Role : Chairman of session and Main Organiser of Seminar.

55. IRPA RMK-7 Seminar, Hyatt Kuantan, Pahang, 18-20 January 2002.

Organised by : Universiti Kebangsaan Malaysia.

Role : Paper Presenter.

Paper presented :

- Yang Farina, Norliawati M. Sidek, Ibrahim Baba and A. H. Othman, 2002, *Synthesis And Characterisation Of Diorganotin Dithiocarbamates Derived From Secondary Amines.*
- Yang Farina, Ibrahim Baba, A. H. Othman, Salman Inayat Hussain and Anuar Osman, 2002, *Synthesis, Characterisation and Biological Activity Study of New Oxygen and Sulphur Chelated Organotins.*

56. Second Information System for Strategic Planning Technical Workshop, Swiss Garden Resort, 1-3 February 2002.

Organised by: Centre for Academic Development, Universiti Kebangsaan Malaysia.

Role : Resource Person.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

57. **Malaysian Chemical Conference MCC 2001, Hotel Shangrila, Pulau Pinang, 7-11 November 2002.**
Organised by : Institut Kimia Malaysia & USM.
Role : Paper Presenter.
Paper presented :
 - Elhadi Elbay Saad, Y. Farina, Ibrahim Baba and Abdul Hamid Othman. 2001. *Synthesis and Characterisation of Some Diorganotin Bis(N-methyl o-nitrobenzohydroxamate)*.
58. **SKAM-14/RASS 2001, Hotel Century Mahkota, Melaka, 11-13 September 2002.**
Organised by : ANALIS.
Role : Paper Presenter.
Paper presented :
 - Y. Farina, Ibrahim Baba, Abdul Hamid Othman, Low Kean Yong and Norliawati Mohd Sidek. 2001. *Infrared spectral studies of organotin dithiocarbamates*
59. **Xth International Conference on the Coordination and Organometallic Chemistry of Germanium, Tin and Lead, ICCOC-GTL-10, Université Bordeaux 1, France, 8-12 July 2001.**
Organised by : Ecole Nationale Supérieure de Chimie et de Physique de Bordeaux.
Role : Paper Presenter.
Paper presented :
 - Yang Farina, Abdul Hamid Othman, Ibrahim Baba, Ng Seik Weng & Hoong-Kun Fun. 2001. *Organotin dithiocarbamates derived from hydroxylated amines*.
60. **Seminar on Operational Plan for Strategic Planning, Bukit Unggul Country Club, Dengkil, Selangor, 15 May 2001.**
Organised by : Faculty of Science and Technology.
Role : Resource Person.
61. **Faculty of Science and Technology Graduate Studies Retreat, Impiana Resort, Cherating, Pahang, 20-22 April 2001.**
Organised by : Faculty of Science and Technology
Role : Rapporteur and Master of Ceremony for Opening Ceremony.
62. **Training Course on Laboratory Safety and Preparation of a Laboratory Safety Manual, Eastin Hotel, Petaling Jaya, 16-17 January 2001.**
Organised by : Institut Kimia Malaysia, Department of Chemistry Malaysia, Department of Occupational Safety and Health.
Role : Participant and Committee Member.
63. **Asian Conference on the Application of X-Rays and Related Techniques in Research and Industry (ACXRI 2000), Legend Hotel, 20-22 November 2000.**
Organised by : MINT, USM, UM, SIRIM & MNS.
Role : Paper Presenter.
Paper presented :
 - Yang Farina, Abdul Hamid Othman, Ibrahim Baba, Hoong-Kun Fun & Shanmuga Sundara Raj. 2000. *The crystal and molecular structure of bis[N,N-bis(isopropyl)dithiocarbamate]dimethyltin(IV) and tris(dimethyltin sulphide)*.
64. **1st Regional Conference on Inorganic Chemistry, Conference Hall, Universiti Sains Malaysia, Pulau Pinang, 14-15 November 2000.**
Organised by: Universiti Sains Malaysia, IKM.
Role : Paper Presenter.
Paper presented:
 - Yang Farina, Ibrahim Baba, Abdul Hamid Othman & Hoong-Kun Fun. 2000. *Organotin dithiocarbamates: Synthesis and structure*.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

65. **Seminar Celebrating the First Year of Faculty of Science and Technology, Kelab Rekreasi Universiti Kebangsaan Malaysia, 23 October 2000.**
Organised by: Faculty of Science and Technology.
Role: Facilitator.
66. **Joint Seminar Universitas Riau – Universiti Kebangsaan Malaysia, Pekanbaru, Riau, 6-8 May 2000.**
Organised by : Fakultas Matematika and Ilmu Pengetahuan Alam, Universitas Riau.
Role : Paper Presenter.
Paper presented :
 - Y. Farina, Ibrahim Baba, Abdul Hamid Othman & Suzaini Ahmad. 2000. *Synthesis and characterisation of diorganotin(IV) complexes of diisopropyldithiocarbamate and diisopropanoldithiocarbamate.*
67. **Fourth UKM-ITB Joint Seminar on Chemistry, Hotel Santika, Yogyakarta, Indonesia, 12-13 April 2000.**
Organised by : Institut Teknologi Bandung.
Role : Paper Presenter.
Paper presented :
 - Y. Farina, Ibrahim Baba, Abdul Hamid Othman, Mohd. Fauzi Yusoff, and Low Kean Yong. 2000. *Synthesis and Characterisation of Organotin Complexes of Diethanol- and Methylethanol- Dithiocarbamates.*
68. **Faculty of Science and Technology Retreat, Riviera Bay Resort, Melaka, 19 - 21 November 1999.**
Organised by: Faculty of Science and Technology
Role : Rapporteur and Committee Member.
69. **National Chemistry Education Seminar, Holiday Inn Shah Alam, 31 October – 4 November 1999.**
Organised by: Curriculum Development Centre & Institut Kimia Malaysia.
Role : Invited Speaker.
Paper presented:
 - Yang Farina Abdul Aziz. 1999. *Storage and Disposal of Chemicals.*
70. **Twelfth Malayisan Analytical Chemistry Symposium SKAM-12, Grand Continental Hotel, Kuala Terengganu, 7-8 September 1999.**
Organised by : Universiti Malaysia Putra Terengganu & ANALIS.
Role : Paper Presenter.
Paper presented :
 - Y.Farina, I. Baba & A.H. Othman. 1999. *Synthesis and Characterisation Organostannum(IV) Dietanolditiokarbamat.*
71. **Second Universiti Kebangsaan Malaysia Retreat, A Famosa, Melaka, 29-31th July 1999.**
Organised by : Universiti Kebangsaan Malaysia.
Role : Resource Person
72. **Image Development Workshop, Registrar's Training Room, 13 April 2002.**
Organised by : Universiti Kebangsaan Malaysia.
Role : Invited Speaker.
73. **Universiti Kebangsaan Malaysia Retreat, Riviera Bay Resort, Melaka, 26-28th April 1999.**
Organised by : Universiti Kebangsaan Malaysia.
Role : Rapporteur and Participant.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

74. **Workshop on Chemical Safety in the Workplace, Eastin Hotel, Petaling Jaya, 25-26th March 1999.**
Organised by: Institut Kimia Malaysia, Department of Chemistry Malaysia, Department of Occupational Safety and Health.
Role : Participant and Committee Member.
75. **ISO 9000 Documentation Course, Tun Seri Lanang Library, Universiti Kebangsaan Malaysia, 11-12 February 1998.**
Organised by: Quality Unit and Institut Tadbiran Awam Negara (INTAN).
Role : Participant.
76. **Implementation of ISO 9000 Workshop, Tun Seri Lanang Library, Universiti Kebangsaan Malaysia, 23-24 February 1998.**
Organised by: Quality Unit and Institut Tadbiran Awam Negara (INTAN).
Role : Participant
77. **APEC Round Table Meeting On Science, Engineering and Technology, Kuala Lumpur, 17-19 April 1998.**
Organised by : Academy of Sciences Malaysia, Institution of Engineers Malaysia (IEM) and China Association for Science and Technology(CAST).
Role : Rapporteur.
78. **Science and Technology Awareness 1998, Dewan Syed Nahar, MADA, Alor Setar, 10 October 1998.**
Organised by : Kedah Education Department, Ministry of Science, Technology and Environment and Malaysian Sciences Society
Role : Invited Speaker
Paper presented:
 - Yang Farina. 1998. *Bioinorganic Chemistry*.
79. **The 10th Faculty of Physical and Applied Sciences Colloquium, Restructuring Dialogue, Kelab Rekreasi Universiti Kebangsaan Malaysia, 23-24 September 1998.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Committee Member & Participant.
80. **AsCA'98, 3rd Conference of the Asian Crystallographic Association, Hotel Equatorial Bangi, 13-15 October 1998.**
Organised by : Asian Crystallographic Association and Department of Chemistry, Universiti Kebangsaan Malaysia.
Role : Assistant Secretary.
81. **Women's Workshop: Healthy and Energetic Lifestyle, Kelab Rekreasi Universiti Kebangsaan Malaysia, 11-12 December 1998.**
Organised by : Sport Unit Universiti Kebangsaan Malaysia with Ministry of Youth and Sports.
Role : Chairman of Session and Participant.
82. **The 10th Analytical Chemistry Symposium SKAM-10, Dewan Persidangan Universiti Kebangsaan Malaysia, 26-28 August 1997.**
Organised by : ANALIS
Role : Secretary and Paper Presenter.
Paper presented:
 - Y. Farina, A.H. Othman, I. Baba and Chee Keng Buan. 1997. *Dimethylstannum(IV) Diethanoldihtiocarbamate*.
83. **Third UKM-ITB Joint Seminar on Chemistry, Dewan Persidangan Universiti Kebangsaan Malaysia, 26-28 August 1997.**

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

Organised by : Department of Chemistry and ANALIS.

Role : Committee Member, Chairman of Session and Paper Presenter.

- Y. Farina, I. Baba, A.H. Othman and Nor Fadzilah Othman. 1997. *Dimethylstannum Catecholate*.
- F.C. Lai, I. Baba, A.H. Othman and Y. Farina. 1997. *Synthesis of Dithiocarbamate Polymer Precursor*.

84. The 9th Analytical Chemistry Symposium SKAM-9, Universiti Sains Malaysia, Penang, 14-16 August 1996.

Organised by: School of Chemistry, USM and ANALIS.

Role : Paper Presenter.

- Yang Farina Abdul Aziz, Ibrahim Baba, Rahmah Mohamed, Abdul Hamid Othman, Nor Fadzilah Othman. 1996. *Dimethylstannum(IV) Catecholate*.

85. Faculty of Physical and Applied Sciences Colloquium-IX, The Orient Star Resort, Lumut, Perak, 4-6 June 1996.

Organised by : Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia.

Role : Committee Member and Paper Presenter.

- Y. Farina, A.H. Othman, I. Baba, F.F. Tan, H.K. Fun and D.A. Rice. 1996. *The Lead(II) Complex of 3-Hydroxyflavone*.
- Ibrahim Baba, Y. Farina, A.H. Othman. 1996. *Synthesis and Characterisation of 2-Ethylethanoldithiocarbamate*.

86. Mentor-Student Workshop, Puri Pujangga, Universiti Kebangsaan Malaysia, 20 April 1996.

Organised by: Student Development Committee, Faculty of Physical and Applied Sciences.

Role : Participant.

87. Seminar on Hazardous Waste Management and Disposal : Technology and Strategic Issues, Ming Court Hotel, Kuala Lumpur, 29-30 March 1996.

Organised by : Institut Kimia Malaysia.

Role : Chairman of Session and Committee Member.

88. Universiti Kebangsaan Malaysia-USU Seminar, Faculty of Physical and Applied Sciences Meeting Room, Universiti Kebangsaan Malaysia, 2 December 1995.

Organised by: Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia.

Role: Participant

89. The 8th Analytical Chemistry Symposium SKAM-8, Universiti Pertanian Malaysia, Serdang, Selangor, 22-24 August 1995.

Organised by: Department of Chemistry, UPM and ANALIS.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz, Ibrahim Baba, Rahmah Mohammad, Nor Fadzilah Othman, Abdul Hamid Othman. 1995. *Diorganostannum(IV) Compounds Derived from 3,4-Dihydroxybenzoic Acid: Synthesis, Chemical Characterisation and Biological Study*.
- Nor Fadzilah Othman, Yang Farina Abdul Aziz, Ibrahim Baba, Rahmah Mohammad and Abdul Hamid Othman. 1995. *Synthesis, Characterisation and Biological Activity of Dibutylstannum(IV) Complex with Caffeic Acid*.
- Ibrahim Baba, Yang Farina Abdul Aziz, Normah Awang and S.A. Tariq. 1995. *Thermal Analysis of Diethanol- and Monoethanoldithiocarbamates of Group 12 Metals*.

90. 35th IUPAC International Congress of Pure and Applied Chemistry, Istanbul, Turkey, 14-19 August 1995.

Organised by : Turkish Chemical Society

Role : Paper Presenter.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

Paper presented:

- Y. Farina, I. Baba, R. Mohammad, A. H. Othman and N. Fadzilah. 1995. *Synthesis and Characterisation of Organotin Catecholates*.

91. Second ITB-UKM Joint Seminar on Chemistry, Institut Teknologi Bandung, Bandung, Indonesia, 28-29 June 1995.

Organised by : Department of Chemistry, Institut Teknologi Bandung.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz, Ibrahim Baba, Rahmah Mohamad, Nor Fadzilah Othman, Abdul Hamid Othman and Jariah Abdullah. 1995. *Biological Activity of Dibutylstannum(IV) Catecholates*.
- Ibrahim Baba, Yang Farina Abdul Aziz, Normah Awang, Rahmah Mohamad, Abdul Hamid Othman and Jariah Abdullah. 1995. *Dithiocarbamate Compound Research: Assessment and Progress*.

92. Seminar on FTIR, Pan Pacific Kuala Lumpur, 3 May 1995.

Organised by : Perkin Elmer.

Role : Participant.

93. Department of Chemistry Graduate Seminar, Department of Chemistry Meeting Room, 28 April 1995.

Organised by: Department of Chemistry Graduate Club, Universiti Kebangsaan Malaysia.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz. 1995. *Tin-Based Anti-Tumour Drugs*.

94. Department of Chemistry Graduate Seminar, Department of Chemistry Meeting Room, 17 March 1995.

Organised by: Department of Chemistry Graduate Club, Universiti Kebangsaan Malaysia.

Role: Paper Presenter.

Paper presented:

- Zuriati Zakaria and Yang Farina Abdul Aziz. 1995. *Effective Presentation Techniques*.

95. Student Development Meeting, Faculty of Physical and Applied Sciences Meeting Room, 28 March 1995.

Organised by : Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia.

Role : Participant.

96. First UKM-ITB Joint Seminar on Chemistry Universiti Kebangsaan Malaysia, 17-19 November 1994.

Organised by : Department of Chemistry, Universiti Kebangsaan Malaysia.

Role : Secretary and Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1994. *Suitability of Stannum Catecholates as Anti-Tumour Agents*.
- Ibrahim Baba, Normah Awang, Yang Farina Abdul Aziz, Abdul Hamid Othman and Jariah Abdullah. 1994. *Complex of Tris(2-hydroxydiethyldithiocarbamate)- and Tris(Methoxyhydroxyethyldithiocarbamate)stibium(III)*.

97. Faculty of Physical and Applied Sciences Colloquium-VIII, Faculty of Physical and Applied Sciences Meeting Room, 14-16 November 1994.

Organised by : Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia.

Role : Committee Member and Paper Presenter.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

Paper presented:

- Yang Farina Abdul Aziz, Nor Fadzilah Othman, Ibrahim Baba and Jariah Abdullah. 1994. *Dibutylstannum(IV) Catecholate Complexes*.
- Abdul Hamid Othman, Ibrahim Baba, Yang Farina Abdul Aziz and Normah Awang. 1994. *Study on Triphenylphosphino argentum(I)*.
- Jariah Abdullah, Ibrahim Baba and Yang Farina Abdul Aziz. 1994 *Effect of Kaolinite on the Precipitation and Growth of Ferrihydrite in Gel*.

98. The Seventh Malaysia Analytical Chemistry Symposium SKAM-7, The Federal, Kuala Lumpur, 27-29 September 1994.

Organised by : ANALIS and Universiti Kebangsaan Malaysia.

Role : Assistant Secretary and Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1995. *Analysis of Stannum Catecholates Using ^1H and ^{13}C Nuclear Magnetic Resonance Methods*.
- Normah Awang, Ibrahim Baba, Yang Farina Abdul Aziz and Jariah Abdullah. 1995. *Infrared and Nuclear Magnetic Resonance Spectroscopic Methods to Analyse Diethanol and Methylethanoldithiocarbamates*.
- Jariah Abdullah, Ibrahim Baba, Yang Farina Abdul Aziz. 1995. *Study on the Morphology of Ferrum Compounds Precipitate in Gel Using Electron Microscope*.
- Nor Fadzilah Othman, Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1994. *Infrared Studies of Dibutyltin(IV) Catecholates*.

99. Women in Science and Technology Congress, Hotel Hilton, Kuala Lumpur, 6-8 September 1994.

Organised by : Institut Kajian Dasar & National Council of Women Organisation Malaysia (NCWO).

Role : Participant.

100. Seminar on Atomic Absorption Spectrophotometer and FT Infrared Spectrophotometer, Hotel NPC, 26 July 1994.

Organised by : Shimadzu.

Role : Participant.

101. Third National Organometallic and Inorganic Chemistry Symposium, Hotel Puteri Pan Pacific, Johor Bahru, 1-2 June 1994.

Organised by : Department of Chemistry, Universiti Teknologi Malaysia.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz, Bohari Mohd. Yamin and Ibrahim Baba. *Teaching of Basic Inorganic Chemistry at the Department of Chemistry, Universiti Kebangsaan Malaysia*.
- Nor Fadzilah Othman, Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. *Dibutylstannum(IV) Dichloride Complexes With Substituted Catechols*.
- Ibrahim Baba, Normah Awang, Yang Farina Abdul Aziz and Jariah Abdullah. *Synthesis and Characterisation of Methylethanoldithiocarbamate Complexes of Zn(II), Cd(II) and Hg(II)*

102. Seminar on Learning Difficulties in the First Year at Faculty of Physical and Applied Sciences, Faculty of Physical and Applied Sciences Meeting Room, Universiti Kebangsaan Malaysia, 16 April 1994.

Organised by : Faculty of Physical and Applied Sciences.

Role : Paper Presenter.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

Mohd. Wahid Samsudin, Jumat Salimon, Yang Farina Abdul Aziz, Abd. Hamid Othman, Ikram Said, Harun Hamzah, Ku Halim Ku Bulat and Ibrahim Abdullah. 1994. *Learning Difficulties Among First Year Chemistry Students*.

103. Seventh Malaysia Plan IRPA Workshop, Faculty of Physical and Applied Sciences Meeting Room, Universiti Kebangsaan Malaysia, 13 April 1994.

Organised by : Faculty of Physical and Applied Sciences.

Role : Participant.

104. Seventh Malaysia Plan IRPA Workshop, Faculty of Physical and Applied Sciences Meeting Room, 28-29 March 1994.

Organised by : Faculty of Physical and Applied Sciences.

Role : Paper Presenter.

Paper presented:

- Ibrahim Baba, Yang Farina Abdul Aziz, Normah Awang and Jariah Abdullah. *Diethanoldithiocarbamate Complexes of Group 12 Elements*.
- Jariah Abdullah, Ibrahim Baba and Yang Farina Abdul Aziz. 1994. *Precipitation of Argentum Compounds From Photographic Waste Effluent Using the Gel Technique*.

105. Seminar on Raman Spectroscopy and Raman Microscopy, Seminar Hall B, Universiti Malaya, 22 February 1994.

Organised by : Physics Department, Universiti Malaya.

Role : Participant.

106. The Second IRPA-UKM Workshop, Allson Klana Resort, Seremban, Negeri Sembilan, 19-22 December 1993.

Organised by : Universiti Kebangsaan Malaysia.

Role : Paper Presenter.

- Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1993. *Suitability of Stannum(IV) Complexes of Catechol and Substituted Catechol as Anti-Tumour Agents*.
- Ibrahim Baba, Yang Farina Abdul Aziz, Normah Awang and Jariah Abdullah. 1993. *Synthesis, Characterisation and Toxicity Test on Diethanoldithiocarbamates Complexes*.
- Jariah Abdullah, Ibrahim Baba and Yang Farina Abdul Aziz. 1993 *Study on the Recovery of Inorganic Waste by Precipitation in Gels*.
- Ibrahim Baba, Jariah Abdullah and Yang Farina Abdul Aziz. 1993. *Evaluating the Use of Inorganic Materials in the Development of Industrialisation*.

107. Seminar on Values in the Development of Science and Technology, Allson Klana Resort, Seremban, 6-7 December 1993.

Organised by : Akademi Sains Islam Malaysia

Role : Rapporteur & Participant.

108. Faculty of Physical and Applied Sciences Colloquium-VII, Ming Court Beach Hotel, Port Dickson Negeri Sembilan, 19-21 November 1993.

Organised by : Faculty of Physical and Applied Sciences.

Role : Rapporteur and Participant.

109. International Conference on Materials Science and Environmental Chemistry of Main Group Elements, Wisma MCA, Kuala Lumpur, 8-11 November 1993.

Organised by : Institut Kimia Malaysia.

Role : Paper Presenter.

Paper presented:

Yang Farina Abdul Aziz, Ibrahim Baba and Jariah Abdullah. 1993. *The Lead(II) Complex of 3-Hydroxyflavone*.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

110. **National Seminar on Hydrogen and Methanol : Fuel for the Future, Bilik Jumaah, Universiti Kebangsaan Malaysia, 17-18 August 1993.**
Organised by : MPKSN, Universiti Kebangsaan Malaysia and Petronas (PRSSS).
Role : Participant.
111. **Curriculum Workshop IV, Implementation of the New Secondary School Curriculum Implication Towards Pre-University and University Science Education, Lecture Hall G111, Physics Building, Faculty of Physical and Applied Sciences, 14-16 June 1993.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Rapporteur and Participant.
112. **Review of the New Science Curriculum for Faculty Of Physical and Applied Sciences Workshop III at Faculty of Physical and Applied Sciences Graduate Room, Universiti Kebangsaan Malaysia, 1,2 & 4 August 1993.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz and Ibrahim Abdullah. 1993. *Continuous Assessment and the Practice of CGPA at the Department of Chemistry.*
113. **The Sixth Faculty of Physical and Applied Sciences Colloquium (Presentation of Technical Reports), Faculty of Physical and Applied Sciences Meeting Room, Universiti Kebangsaan Malaysia, 9-10 December 1992.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Paper Presenter.
 - Yang Farina Abdul Aziz. 1992. *Synthesis and Characterisation of Stannum Complexes of Catechol and Substituted Catechols.*
114. **The Sixth Faculty of Physical and Applied Sciences Colloquium, Pulau Besar, Melaka, 20-22 November 1992.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Participant.
115. **The Sixth Malaysia Analytical Chemistry Symposium, Institut Teknologi Mara, Shah Alam, 28-30 October 1992.**
Organised by : Institut Teknologi MARA.
Role : Chairman of Session and Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1992. *Stannum Complexes of Catechol and Substituted Catechols.*
 - Jariah Abdullah, Yang Farina Abdul Aziz and Loh Yew Keong. 1992. *Synthesis of Cadmium(II) Catecholato Complex Using the Gel Technique.*
116. **Bengkel II Penggubalan Kurikulum Baru Sains Faculty of Physical and Applied Sciences, Merekabina Pengisian Program/Kursus, Bilik Siswazah Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia, 24 August 1992.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Participant.
117. **Review of the New Science Curriculum for Faculty Of Physical and Applied Sciences Workshop, Designing and Contents of Course/Programme, Faculty Of Physical and Applied Sciences Graduate Room, Universiti Kebangsaan Malaysia, 20 May 1992.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Participant.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

118. **The Fifth Malaysia Analytical Chemistry Symposium, Universiti Malaya, 21-23 October 1991.**
Organised by : Department of Chemistry, Universiti Malaya.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1991. *Metal Complexes With 3-Hydroxyflavone*.
119. **The Fifth Faculty of Physical and Applied Sciences Colloquium, Coral Beach Resort, Kuantan, Pahang, 2-4 November 1990.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Participant.
120. **Assessment of Implementation of Science Education Programme in Faculty of Physical and Applied Science Workshop, Faculty of Physical and Applied Science Graduate Room, Universiti Kebangsaan Malaysia, 23 October 1990.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Participant.
121. **Second International Groundwater Conference, Kota Bharu, Kelantan, 25-29 June 1990.**
Organised by : Engineering Faculty, Universiti Kebangsaan Malaysia.
Role : Assistant Secretary.
122. **Fourth Malaysia Analytical Chemistry Symposium, Universiti Pertanian Malaysia, 4-6 September 1990.**
Organised by : Department of Chemistry, Universiti Pertanian Malaysia.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1990. *Interaction Between Metal Ions and Naturally Occurring Compounds*.
123. **Universiti Kebangsaan Malaysia Research Conference, DECTAR, Universiti Kebangsaan Malaysia, 27-30 August 1990.**
Organised by : Universiti Kebangsaan Malaysia.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1990. *Metal Ion Complexes With Naturally Occurring Compounds*.
124. **The Third Faculty of Physical and Applied Sciences Colloquium, Merlin Hotel Bukit Fraser, Pahang, 27-29 October 1989.**
Organised by : Faculty of Physical and Applied Sciences.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1990. *Synthesis and Structure of the Metal Complex with 3-Hydroxyflavone*.
125. **Second National Organometallic and Inorganic Chemistry Symposium, Universiti Sains Malaysia, 24-25 August 1989.**
Organised by : School of Chemistry, Universiti Sains Malaysia.
Role : Paper Presenter.
Paper presented:
 - Yang Farina Abdul Aziz. 1989. *Synthesis and Characterisation of Zirconium(IV) and Tin(IV) Complexes With Catechol*.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

126. **Department of Chemistry Seminar, Faculty of Physical and Applied Sciences, Universiti Kebangsaan Malaysia, 30 March 1989.**

Organised by : Department of Chemistry, Universiti Kebangsaan Malaysia.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz. 1989. *Synthesis and Characterisation of Metal Complexes With Catechol and 3-Hydroxyflavone.*

127. **Departmental Colloquium, Department of Chemistry, University of Reading, 23 May 1988.**

Organised by : Department of Chemistry, University of Reading.

Role : Paper Presenter.

Paper presented:

- Yang Farina Abdul Aziz. 1988. *The Interaction Between Metal Ions and 3-Hydroxyflavone.*

TEACHING & LEARNING

Sabbatical Attachment

Dr. Elhadi Elbay Saad, Sebha University, Libya, May-July 2009.

Postdoctorate Attachments

Two postdoctorates were attached to the Inorganic Synthesis Group:

1. Dr. Emad Yousif (G1318065)
2. Dr. Shayma A Shaker (G1683151)

Supervision of Graduate Students

No.	Name	Title	Role	MSc/ PhD	Status/ Year
1.	Omima Abdalla Mahjoub Abdalla	Novel thiosemicarbazone coordination polymers	Main supervisor	PhD	On going
2.	Nurfaizah Abu Tahrim	Emerging Pharmaceutical Residues in Drinking Water	Co-supervisor	PhD	On going
3.	Irshad Ali	Organotin complexes with new thiosemicarbazones	Main supervisor	PhD	On going
4.	Erna Normaya Abdullah	Synthesis, characterization, electrical conductivity and magnetic moment of thiosemicarbazone coordination polymers.	Main supervisor	PhD	On going
5.	Naqueebulah	Synthesis, Characterization and DNA studies of organation complexes of sulfur, nitrogen and oxygen donor ligands.	Main supervisor	PhD	On going
6.	Mohd Nasir Othman	Aluminium in water	Co-supervisor	PhD	Awaiting viva
7.	Nur Nadia Dzulkifli	Sintesis dan Pencirian Kompleks Tiosemitarbon Dengan Unsur Kumpulan Aktinida dan Aktiviti Biologi.	Main supervisor	MSc	Writing up
8.	Lee Thian Khoon	Penyediaan dan pencirian elektrolit pepejal polimer PVC-ENR50-Liclo4 Melalui radiasi UV.	Supervisor	MSc	Completed 2011
9.	Amirah Faizah Abu Muthalib	Organotin thiocarbamates derived from seconday amines.	Supervisor	Msc	Completed 2011
10.	Lee Lian Jian	Perception Studies on Treated Effluent and Sludge	Supervisor	MPhil	On going
11.	Safa'a Faris Najeib Kayed	Synthesis and characterization of metal 2-pyridine carboxylaldehyde-complexes and their microbiological study	Main supervisor	PhD	Awaiting viva

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

12.	Abdual Basit Mohamed Graisa	Synthesis, characterisation and biological activity of bishydroxamates derivatives and its organotin complexes	Main supervisor	PhD	On going
13.	Abdurazaq Taher Swesi	Synthesis and Characterisation of Organotin Complexes Derived from Thiosemicarbazones.	Main supervisor	MSc	Completed 2006
14.	Mukhlis Sanudin	Synthesis and characterisation of substituted organostannum.	Supervisor	MSc	Completed 2006
15.	Tan Kong Wai	Synthesis and characterisation of organostannum(IV) catecholate complexes with crown eters.	Supervisor	MSc	Completed 2004
16.	Yip Foo Win	Synthesis and characterisation of organotin complexes with organic acids.	Main supervisor	MSc	Completed 2003
17.	Elhadi Elbay Saad	Synthesis and characterisation of organotin complexes with oxygen containing ligands.	Supervisor	PhD	Completed 2004
18.	Norliawati Mohd Sidek	Synthesis and characterisation of organotin dithiocarbamates.	Supervisor	MSc	Completed 2004
19.	Low Kean Yong	Synthesis and characterisation of metal dithiocarbamate complexes, and the antioxidation testing.	Co-supervisor	MSc	Completed 2002
20.	Karimah Kassim	Synthesis, characterisation and application of metal dithiocarbamate complexes derived from secondary and tertiary groups.	Co-supervisor	MSc	Completed 2002
21.	Kamariah Muda	Synthesis, characterisation and biological activity assessment of ethylethanol- and phenylethanol-dithiocarbamates.	Co-supervisor	MSc	Completed 1997
22.	Nor Fadzilah Othman	Synthesis, characterisation and biological activity of dialkylstannum(IV) catecholate complexes.	Main supervisor	MSc	Completed 1996
23.	Normah Awang	Synthesis, characterisation and biological activity of diethanol- and methylethanol-dithiocarbamates.	Co-supervisor	MSc	Completed 1995

Supervision of Undergraduate Students: Have supervised more than 60 undergraduate students.

Teaching

Currently teaching *Inorganic Reaction Mechanism* and *Applied Inorganic Chemistry* at the Master Level.

Courses taught at the undergraduate level include: *Basic Inorganic Chemistry, Bioinorganic Chemistry, Solid State Chemistry, Coordination Chemistry, Main Group Elements, Synthesis and Characterisation of Inorganic Compounds, Chemical Safety and Management of Chemical Industries.*

COMMUNITY ENGAGEMENT

International

1. Member of International Union of Crystallographer (1995 – present).
2. Member of International X-ray Analysis Society (2000 – present).
3. Member of International Union of Pure and Applied Chemistry (1997 – 1999).

National

4. Fellow and Council Member of Institut Kimia Malaysia (FMIC). Chairman of *Green and Environmental Chemistry Committee*.
5. Associate Member Akademi Sains Malaysia.
6. Protem President, Methodist English School Tanjong Malim Alumni (MESA), (2010 –present).
7. Treasurer, Association of Voices of Peace, Conscience and Reason (PCORE) (2011 – present).
8. Book Assessor, Universiti Sains Malaysia Press, 2009 – present..
9. Paper reviewer, Malaysian Journal of Analytical Sciences, 1995- present.
10. Paper reviewer, Journal of Sustainability Science and Management, Universiti Malaysia Terengganu Press, 2009 – present.
11. Panelist to discuss "Majlis Professor Negara", on Agenda Awani, April 2011.
12. Panelist to discuss "Pendidikan Sains", on Meja Bulat, Awani, May, 2011.
13. Panelist to discuss "International Year of Chemistry 2011", on Agenda Awani, January 2011.
14. Recorded a video with NST online in conjunction with World Water Day , March 2010.
15. Panelist to discuss "Voices of Peace, Conscience, and Reason" during Agenda Awani, 10 November 2010.
16. Panelist to discuss "Sewage Reuse" during Agenda Awani, May 2010.
17. Panelist to discuss "Pengiktirafan Majlis Profesor Negara", during Meja Bulat, Awani, 10 December 2010.
18. Panelist to discuss "Penarafan Universiti" during Meja Bulat, Awani, October 2010.
19. Telephone interview to discuss "Melamine di Negeri China" , Astro Awani , September 2008.
20. Invited guest for Sudut Pandang" Pasca Universiti Apex" , Astro Awani , July 2008.
21. Interviewed by NST on racial issues, New Sunday Times, July 2008.
22. Invited guest for Wawancara Wanita on Astro Awani to discuss "Negara Sains" May 2007.

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

23. Committee Member involved in the "The Middle East Delegation Educational Working Visit" Programme, 3-9 March 2002.
24. Referee for Buletin Kimia journal (2000).
25. Referee for Asia-Pacific Journal of Molecular Biology and Biotechnology (2000).
26. Council Member of Analytical Sciences Society of Malaysia, ANALIS (2000 – present).
27. Member of National Committee ISO/TC207/SC 3 – Environmental Labelling (JKK NSC 3) (1998-2000).
28. Committee Member of Chemical Safety and Health Committee, Institut Kimia Malaysia (1995 - present).
29. Member of Working Group on Paints and Varnishes (1995 – present).
30. Member of Institut Kimia Malaysia (1994-present).
31. Member of Malaysian Journal of Analytical Sciences Editorial Board (1994 - present).
32. Assistant Secretary to Analytical Sciences Society of Malaysia, ANALIS (1994 - 1996).
33. Life Member of Analytical Sciences Society of Malaysia, ANALIS (1993 – present).

University

34. Chief Editor, Resonance, UKM International Bulletin (2003 – 2007).
35. Organiser and member of delegation for UKM Work Tour of Europe, 27 March – 8 April 2004.
36. Chairman of UKM Education Promotion team at Malaysian International Education Fair, Putra World Trade Centre, 20 April – 1 May 2004.
37. Special Assistant to Tun Dr. Siti Hasmah Hj. Mohd. Ali during UKM Special Convocation, 30 April 2004.
38. Committee Member of UKM Internationalisation Advisor Committee (2003 – present).
39. Committee Member of UKM Graduate Studies ISO 9001:2000 Documentation Committee (2003 – present).
40. Secretariat for Tripartite Dialogue (2003 – present).
41. Committee Member for Comparative Education Society of Asia (CESA) Fifth Biennial Conference (2003 – present).
42. Chairman of Universiti Kebangsaan Malaysia English Website Committee (2002 - present).
43. Committee Member of "The Third UKM-UC International Conference" (2002-2003).
44. Chairman of International Students's Guide Book Committee (2002- present).

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

45. Associate Editor of Surat Senada (2002 – present).
46. Member of Delegation in the Visit and Tour of Universities in Bangkok, lead by Vice Chancellor Prof. Datuk Dr. Anuwar Ali , 15-19 December 2002.
47. Represented UKM during the Malaysian Education Fair Exhibition in Jakarta, May 2002.
48. Member of Delegation during the Seminar and Educational Forum Programmes in Indonesia, August 2002.
49. Master of Ceremony for Persatuan Baand Berkanun Malaysia Public Lecture (2003).
50. Associate Editor of Physical and Applied Sciences Section, Jurnal Sains Malaysiana, Universiti Kebangsaan Malaysia (2001 – present).
51. Committee Member of UKM's Strategic Planning 2000-2020 Committee (2000 –2001).
52. Committee Member of Quality Award Committee (Individual) UKM (2000 – present).
53. Committee Member of Award of Excellence for Enhancing UKM's Image Committee (2000 – present).
54. Committee Member of UKM's Family Day In Conjunction with UKM's 30 Years Celebration (2000).
55. Senate Member of Universiti Kebangsaan Malaysia (1996 - 1997).
56. Lady in Waiting for Seri Paduka Baginda Raja Permaisuri Agong during the 24th Convocation (1996).
57. Committee Member for Ungku Omar Public Lecture (1990).

Faculty

58. Chairman of Tender Committee to Purchase a *Single Crystal X-ray Diffractometer for Small Molecules* (2000-2001).
59. Committee Member of Faculty of Science and Technology Long Distance Learning Committee (1999-2001).
60. Committee Member of Faculty of Science and Technology Co-curriculum Committee (1993-1995).
61. Committee Member of Ad Hoc Committee for the Review of the New Curriculum of Department of Chemistry, Faculty of Physical and Applied Sciences (1992-1994).
62. Chairman of the Food and Beverage Committee, Faculty of Physical and Applied Sciences Family Day (1993).
63. Chairman of the Protocol, Publicity and Public Relations for Faculty of Physical and Applied Sciences Open Day (1993).
64. Committee Member for the Second Sciences Faculties' Family Day (1991).

**CURRICULUM VITAE – YANG FARINA ABDUL AZIZ
DECEMBER 2011**

School/Department

65. Committee Member of Department of Chemistry Laboratory Committee (1994 – 2002).
66. Committee Member of the Question Review Board (2001-present).
67. Committee Member of the Welfare Committee for Chemical Sciences Programmes (2000 – present).
68. Committee Member of the Laboratory and Apparatus Committee (1994 – 2004).
69. Chairman of Science Officers for the Big Instruments Committee, School of Chemical Sciences and Food Technology (2001).
70. Committee Member of Department of Chemistry Student Guidance Committee (1991-1993).
71. Department of Chemistry: Planning, Academic, Graduate and Curriculum Committee Member (1991-1993).

Sports Activity

72. Represented Universiti Kebangsaan Malaysia, Athletics 4 x 400 m (veteran ladies), Intervarsity Sports Meet, April 2004 (Gold).
73. Represented Universiti Kebangsaan Malaysia, Athletics 4 x 100 m (veteran ladies), Intervarsity Sports Meet, April 2004 (Gold).
74. Represented Universiti Kebangsaan Malaysia, Athletics 3000 m (veteran ladies), Intervarsity Sports Meet, April 2004 (Silver).
75. Represented Universiti Kebangsaan Malaysia, Athletics 1500 m (veteran ladies), Intervarsity Sports Meet, April 2004 (Bronze).
76. Represented Faculty of Science and Technology, Athletics 3000 m (veteran ladies), Universiti Kebangsaan Malaysia Sports Meet, March 2004 (Silver).
77. Represented Faculty of Science and Technology, Athletics 1500 m (veteran ladies), Universiti Kebangsaan Malaysia Sports Meet, March 2004 (Silver).
78. Represented School of Chemistry, Athletics 3000 m (veteran ladies), Faculty of Science and Technology Sports Week, February 2004 (Gold).
79. Represented School of Chemical Sciences and Food Technology in the Netball team during the Faculty of Science and Technology Sports Week, February 2004 (Gold).
80. Represented School of Chemical Sciences and Food Technology in the Netball team during the Faculty of Science and Technology Sports Week 29-30 April 2002.
81. Lead Instructor during the Mass Aerobics for Universiti Kebangsaan Malaysia Family Day (2000).
82. Aerobics Instructor for Sukmanita (1999).
83. Conducted the aerobics for the Youth Camp organised by Sukmanita (1998).

