CURRICULUM VITAE

Name : **Hadariah Bahron (Prof Dr)**
Highest Qualification : **Ph.D. (Coordination Chemistry)**
Graduated (Year) : **University of Surrey (Oct. 1994)**
Employer : **Universiti Teknologi MARA since 1995**
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A) Administrative Duties and Appointments:

1999 – 2006	: Coordinator of Affiliated Programs, Faculty of Applied Sciences, UiTM
2006 – 2011	: Head of Academic Management, Academic Affairs, UiTM
2011 – 2014 (July)	: Director of Academic Development, Academic Affairs, UiTM
2014 – 2019 (July)	: Assistant Vice Chancellor (Research & Innovation), Institute of Research Management & Innovation (IRMI), UiTM
July-August 2017	: Recipient of 'World Class Professor' Appointment (Govt. of Indonesia) to Universitas Negeri Semarang, Jawa Tengah.

B) Research Interest:

Mainly coordination chemistry, particularly with Schiff base and hydroxamic acid ligands, either acyclic or macrocyclic:

- Synthesis of ligands and complexes
- Characterization of products using elemental analyser (CHN), NMR, FTIR, UV-Visible, x-ray crystallography, magnetic susceptibility, thermogravimetric analysis
- Possible applications as biosensors, corrosion inhibitors, anti-microbial agents, insulin mimetic compounds, anti-oxidants, catalysts

C) Completed Research Projects:

- Polynuclear complexes of Schiff Bases and Screening for, Catalytic, Anticancer and Antibacterial Activities
- Green Synthesis Of Multimetal Complexes for Catalysis of C-C Bond Formation
- Macrocyclic and Acyclic Schiff Base Ligands as Chemical Pre-Treatments in Inhibition of Corrosion of Steel
- Synthesis and characterization of new macrocyclic ligands and their metal complexes
- Synthesis, Characterization and Biological Activity Studies of Transition Metal Complexes with Tetradentate Schiff Base Ligands
- Catalytic properties of Pd(II) Schiff Base Complexes for Sonogashira Reaction

D) Publications

1. Hassan, L.R., Anouar, E.H., **Bahron, H.,** Abdullah, F., Mohd Tajuddin, A. (2020) Cytotoxicity, alpha-glucosidase inhibition and molecular docking studies of hydroxamic acid chromium(III) complexes, J. Biol. Inorg. Chem., 1-14. https://doi.org/10.1007/s00775-020-01755-6. Scopus Indexed.
2. NM Jaya, NH Ismail, ALM Low, **H Bahron**, PNAW Faizal, NNSM Kamal, AS Kamarozaman, N Ahmat, SAS Mohamad (2019) Schiff base ligands derived from phenylenediamine and its metal complexes as enhancer against two mechanisms of antibiotic resistance, Planta Medica, 85(18), P-466, DOI: 10.1055/s-0039-3400408. WoS Indexed.
3. **Hadariah Bahron**, Siti Solihah Khaidir, Amalina Mohd Tajuddin, Kalavathy Ramasamy, Bohari M. Yamin (2019) Synthesis, characterization and anticancer activity of mono- and dinuclear Ni(II) and Co(II) complexes of a Schiff base derived from o-vanillin, Polyhedron, 161, pp. 84-92, doi: https://doi.org/10.1016/j.poly.2018.12.055. Scopus Indexed.
4. Ahmad SN, **Bahron H**, Tajuddin AM, Ramasamy K (2019) Tetradentate phenolic Schiff base ligands derived from aromatic diamine and their nickel(II) complexes: Synthesis, characterization, and in vitro anticancer screening, Malaysian Journal of Fundamental and Applied Sciences, 15 (4), 613-616. WoS Indexed.
5. Hassan LR, **Bahron H**, Ramasamy R, Tajuddin AM (2019) Cytotoxicity and α-glucosidase inhibition studies of Cu(II) and Ni(II) salicylhydroxamic acid complexes, Malaysian Journal of Fundamental and Applied Sciences, 15(5), 720-724. WoS Indexed.
6. Shahrul Nizam Ahmad, **Hadariah Bahron**, Amalina Mohd Tajuddin (2019) Effect Of Temperature On The Catalytic Activity Of New Symmetrical Tetradentate Palladium(II) Schiff Base Complexes In Copper-Free Sonogashira Reaction,

Malaysian Journal of Analytical Sciences, 23, 2, 247-254. DOI: https://doi.org/10.17576/mjas-2019-2302-09. Scopus Indexed.

7. Latifah Robbaniyyah Hassan, **Hadariah Bahron**, Kalavathy Ramasamy, Amalina Mohd Tajuddin (2019) Synthesis And Characterization Of Benzohydroxamic Acid And Methylbenzohydroxamic Acid Metal Complexes And Their Cytotoxicty Study, Malaysian Journal of Analytical Sciences, 23, 2, 263-273. DOI: https://doi.org/10.17576/mjas-2019-2302-11. Scopus Indexed.
8. Dzolin, S.A., **Bahron, H**., Mohd, Y. (2018) Investigation of substituent effects on corrosion protection of mild steel by schiff bases in 0.5 M NaCl, International Journal of Engineering and Technology, 7(4), pp. 14-18. ISSN: 2227524X (DOI: 10.14419/ijet.v7i3.11.15922).
9. Dzolin, S.A., **Bahron, H.**, Mohd, Y., Hashim, N.Z.N., Kurniawan, C. (2018) Corrosion retardation of mild steel electrodeposited with 4-hydroxybenzalaniline in 0.5 M NaCl, International Journal of Engineering and Technology, 7(4), pp. 71-74. ISSN: 2227524X (DOI: 10.14419/ijet.v7i3.11.15922).
10. Hassan, L.R., Ramasamy, K., Lim, S.M., **Bahron, H.,** Tajuddin, A.M. (2018) Synthesis and characterization of benzohydroxamic acid metal complexes and their cytotoxicity study, Jurnal Teknologi, 80(6), pp. 87-94 eISSN 2180–3722, ISSN: 01279696 (**DOI:** 10.11113/jt.v80.12293). Scopus Indexed.
11. Ahmad, S.N., **Bahron, H.**, Tajuddin, A.M. (2018) Tetradentate Palladium(II) Salophen complexes: Synthesis, characterization and catalytic activities in copper-free Sonogashira coupling reaction, International Journal of Engineering and Technology, 7(3), pp. 15-19. ISSN: 2227524X (DOI: 10.14419/ijet.v7i3.11.15921). Scopus Indexed.
12. Zainoldin, Z., **Bahron, H.,** Harun, M.K., Dzolin, S.A. (2018) Electrochemical impedance spectroscopy evaluation of organic coating on mild steel, International Journal of Engineering and Technology, 7(3), pp. 30-33. ISSN: 2227524X (DOI**:** 10.14419/ijet.v7i3.11.15924). Scopus Indexed.
13. Dzolin, S.A., **Bahron, H.,** Mohd, Y., Hashim, N.Z.N., Halim, N.H.A. (2018) Retardation of mild steel corrosion in analogous schiff bases with different electronic environments, International Journal of Engineering and Technology, 7(3), pp. 20-24. ISSN: 2227524X (DOI: 10.14419/ijet.v7i3.11.15922). Scopus Indexed.
14. Khaidir, S.S., **Bahron, H.,** Tajuddin, A.M., Ramasamy, K., Lim, S.M. (2018) High Nuclearity Cu(II) and Co(II) complexes of Schiff Base Derived from o-vanillin with substituted m-phenylenediamine, International Journal of Engineering and Technology, 7(3), pp. 72-76. ISSN: 2227524X (DOI: 10.14419/ijet.v7i3.11.15933). Scopus Indexed.
15. **Hadariah Bahron** (2018), Research Frontiers and Way Forward, IOP Conference Series: Earth and Environmental Science, 117(1), 012049. **ISSN:** 17551307 (**DOI:** 10.1088/1755-1315/117/1/012049). Scopus Indexed.

16. Shahrul Nizam Ahmad, **Hadariah Bahron**, Amalina Mohd Tajuddin (2018) Synthesis, Spectroscopic Investigation and Catalytic Studies Of Nickel(II) Aromatic Azomethine Complexes, Jurnal Teknologi, 80(2), 77–8, eISSN 2180–3722, ISSN: 01279696 (doi: 10.11113/jt.v80.11109) – Scopus Indexed
17. **Hadariah Bahron**, Siti Solihah Khaidir, Amalina Mohd Tajuddin and Syed Abdul Illah Alyahya Syed Abd Kadir (2017) Synthesis and characterisation of Mononuclear and Tetranuclear Zinc(II) Complexes of Schiff Bases Derived from Phenylenediamine, Pertanika J. Sci. & Technol. 25 (S): 309 – 31, ISSN**:** 01287680 – WoS Indexed
18. Ahmad, S.N., **Bahron, H.,** Tajuddin, A.M., Sukeri, M.M.Y. (2017) Crystal structure of 2,2'-(((2,2-dimethylpropane-1,3-diyl)bis(azanylylidene))bis-(methanylylidene))-bis-4-methoxyphenol)palladium(II) X-ray Structure Analysis Online, 33(12), pp. 73-74, ISSN: 18833578, (doi: 10.2116/xraystruct.33.73) – Scopus Indexed
19. Mohd, Y., Dzolin, S.A., **Bahron, H.**, Halim, N.H.A. (2017) Effect of hydroxyl group position at imine structure on corrosion inhibition of mild steel in 0.5 m NaCl, AIP Conference Proceedings, Volume 1901, Article 120004, ISSN 0094243X (doi: 10.1063/1.5010554) – Scopus Indexed
20. A.M. Tajuddin, K. Ramasamy, B.M. Yamin, A.I. Alharthi and **H. Bahron** (2017) DFT analysis and bioactivity of 2-((E)-(4-methoxybenzylimino)methyl)phenol and its Ni(II) and Pd(II) complexes, Arabian Journal of Chemistry,10, 769–780 (dx.doi.org/10.1016/j.arabjc.2016.11.005) – Scopus Indexed
21. A. M. Tajuddin, N. Ismail, K. Kassim and **H. Bahron** (2017) Synthesized And Extending The Bidentate Schiff Base Complexes Using Multilayer Feedforward Neural Network, Journal of Fundamental and Applied Sciences, 9(4S), 952-963 (dx.doi.org/10.4314/jfas.v9i4s.57) – WoS indexed
22. Haryani, S., Prasetya, A.T. and **Bahron, H.** (2017) Building the character of pre-service teachers through the learning model of problem-based analytical chemistry lab work, Jurnal Pendidikan IPA Indonesia, Volume 6, Issue 2, October 2017, 229-236, ISSN**:** 23391286 (doi 10.15294/jpii.v6i2.10688) – Scopus Indexed
23. Aliyin Abdul Ghani, **Hadariah Bahron**, Mohamad Kamal Harun, Karimah Kassim, El Hassane Anouar (2017) EIS and DFT investigations on corrosion inhibition of imines containing mono- and diisatin moieties, Pertanika Journal of Science and Technology, 25, 297-308, March 2017. ISSN**:** 01287680 - WoS/Scopus indexed.
24. **Hadariah Bahron**, Siti Solihah Khaidir, Amalina Mohd Tajuddin and Syed Abdul Illah Alyahya Syed Abd Kadir (2017) Synthesis and characterization of Mononuclear and Tetranuclear Zinc(II) Complexes of Schiff Bases Derived from Phenylenediamine, Pertanika Journal of Science and Technology, 25, 297-308, March 2017. ISSN**:** 01287680 - WoS/Scopus indexed.
25. Syaidah Athirah Dzolin, Yusairie Mohd, **Hadariah Bahron** and Nurul Huda Abdul Halim (2017) Corrosion Inhibition of Azomethines Containing Hydroxyl Group at

Ortho and Para Positions on Mild Steel, Pertanika Journal of Science and Technology, 25, 317-324, March 2017. ISSN**:** 01287680 - WoS/Scopus indexed.

26. Amalina Mohd Tajuddin, **Hadariah Bahron** (2017) Syntheses, Characterization and Application of Palladium(II) Complexes as Catalysts in Heck Cross-Coupling Reaction, Pertanika Journal of Science and Technology, 25, 125-136, April 2017. ISSN**:** 01287680 - WoS/Scopus indexed.
27. **Hadariah Bahron**, Shahrul Nizam Ahmad, Amalina Mohd Tajuddin and Syed Illah Al-Yahya Syed Abdul Kadir (2017) Substituent Effect on Catalytic Activity of Palladium(II) Schiff Base Complexes for Sonogashira Reaction, Pertanika Journal of Science and Technology, 25, 115-124, April 2017. ISSN**:** 01287680 WoS/Scopus indexed.
28. **Bahron, H.,** Abu Bakar, S.N., Khaidir, S.S., Mohtar, M. (2017) Dinuclear Co(II) and Zn(II) Azomethine Complexes: Physicochemical and Antibacterial Studies, Pertanika Journal of Science and Technology, 25(S8), pp. 29-38. August 2017. ISSN**:** 01287680. WoS/Scopus Indexed
29. Aliyin Abdul Ghani, **Hadariah Bahron**, Mohamad Kamal Hj Harun, Karimah Kassim (2016) Substituent Effect on Corrosion Inhibition of Schiff Bases Derived from Isatin, Scientific Research Journal, Volume 13(1), 1-8, ISSN 1675-7009 – MCC Indexed
30. Amirah Amalina binti Ahmad Tarmizi, Mohamad Kamal Harun, Saifollah Abdullah, **Hadariah Bahron**, Muhd Zu Azhan Yahya, Sabrina M. Yahaya and Nurul Huda Abdul Halim (2016) The Effect of Oxalic Acid as a Doping Agent on the Conductivity of Polyaniline, Scientific Research Journal, Volume 13(1), 9-14, ISSN 1675-7009 – MCC Indexed
31. A.M. Tajuddin, **H. Bahron** and S.N. Ahmad (2015) Synthesis and Characterization of Pd(II) and Ni(II) Complexes of Schiff Bases and Catalytic Activity of Pd(II) Complexes,) Scientific Research Journal 12 (2), 1-7, ISSN 1675-7009 – MCC Indexed
32. Amalina Mohd Tajuddin, **Hadariah Bahron**, Hamizah Mohd Zaki, Karimah Kassim and Suchada Chantrapromma (2015) Crystal structure of bis(2-{1-[(E)-(4-fluorobenzyl)imino]ethyl}phenolato-κ2N,O}palladium(II), Acta Cryst. (2015). E71, 350–353 (doi:10.1107/S2056989015004405) – Scopus Indexed.
33. Aliyin Abdul Ghani, **Hadariah Bahron**, Mohamad Kamal Harun and Karimah Kassim (2014) *Schiff bases derived from Isatin as mild steel corrosion inhibitors in 1 M HCl*, The Malaysian Journal of Analytical Sciences, Vol. 18 No. 3 (2014): 507-513, ISSN : 1394-2506 – Scopus Indexed.
34. Amalina Mohd Tajuddin, **Hadariah Bahron**, Rohazila Mohammad Hanafiah, Nazlina Ibrahim, Hoong-Kun Fun and Suchada Chantrapromma (2014) *Crystal structure of bis{2-[(E)-(4-fluorobenzyl)iminomethyl]phenolato-K 2N,O1}nickel(II)*, Acta Cryst. (2014). E70, 252–255 (doi:10.1107/S1600536814020546) – Scopus Indexed.

35. **Hadariah Bahron**, Amalina Mohd Tajuddin, Wan Nazihah Wan Ibrahim, Hoong-Kun Fun and Suchada Chantrapromma (2014) *Crystal structure of bis{2-[(E)-(4-methoxylbenzyl)iminomethyl]phenolato-κ2N,O1}nickel(II)*, Acta Cryst. (2014). E70, 104–106 (doi:10.1107/S160053681401650X) – Scopus Indexed.
36. **Hadariah Bahron**, Amalina Mohd Tajuddin, Wan Nazihah Wan Ibrahim, Suchada Chantrapromma and Hoong-Kun Fun (2014) *Bis{2-methoxy-6-[(E)-(4-methylbenzyl)iminomethyl]phenolato}palladium(II) chloroform mono-solvate*, Acta Crystallograpica Section E: Structure Reports Online, Acta Cryst. E70, m289–m290 (doi:10.1107/S1600536814015025) – Scopus Indexed.
37. **Bahron, H.,** Zainoldin, Z. and Kassim, K. (2013) *Electrochemical impedance study of mild steel electro-oxidized with 4-hydroxybenzalaniline against corrosion*, Malaysian Journal of Analytical Sciences (MJAS) – in publication
38. Ali, A.M.M., Subban, R.H.Y., **Bahron, H.**, Yahya, M.Z.A., Kamisan, A.S. (2013) Investigation on modified natural rubber gel polymer electrolytes for lithium polymer battery, Journal of Power Sources, Journal of Power Sources 244 (2013) 636-640. 2013 Elsevier B.V. (doi: 10.1016/j.jpowsour.2013.01.002) – Scopus Indexed.
39. Zailelah Zainoldin, Mohamad Kamal Harun, **Hadariah Bahron** and Karimah Kassim (2012) Passive Thin Film Coating through Electrodeposition of Salicylideneaniline, Asia-Pacific Chemical, Biological and Environmental Engineering (APCBEE) Procedia 3,104-109, 2212-6708© 2012 Published by Elsevier B.V. (doi: 10.1016/j.apcbee.2012.06.054) – Scopus Indexed.
40. Amalina Mohd Tajuddin, **Hadariah Bahron**, Karimah Kassim,Wan Nazihah Wan Ibrahim and Hoong-Kun Fun (2012) Synthesis and Characterisation of Palladium(II) Schiff Base and Their Catalytic Activities for Heck Reaction, Advanced Materials Research, Vols. 554-556, pp 736-740, © (2012) Trans Tech Publications, Switzerland (doi:10.4028/www.scientific.net/AMR.554-556.736) – Scopus Indexed.
41. Zailelah Zainoldin, Mohamad Kamal Harun, **Hadariah Bahron** and Karimah Kassim (2012) Electrodeposition of Salicylideneaniline and its Corrosion Behavior, Advanced Materials Research, Vols. 554-556, pp 385-389, © (2012) Trans Tech Publications, Switzerland (doi:10.4028/www.scientific.net/AMR.554-556.385) – Scopus Indexed.
42. Aliyin Abdul Ghani, **Hadariah Bahron**, Mohamad Kamal Harun and Karimah Kassim (2012) Corrosion Inhibition Study Of A Heterocyclic Schiff Base Derived From Isatin, Advanced Materials Research, Vols. 554-556, pp 425-429 © (2012) Trans Tech Publications, Switzerland (doi:10.4028/www.scientific.net/AMR.554-556.425) – Scopus Indexed.
43. Ahmad Fauzi Abu Bakar, **Hadariah Bahron** and Karimah Kassim (2012) Synthesis, Characterization and Neurotoxicity Screening of Schiff Base Ligands and Their Complexes, Advanced Materials Research, Vols. 554-556, pp 938-943,

© (2012) Trans Tech Publications, Switzerland (doi:10.4028/www.scientific.net/AMR.554-556.938) – Scopus Indexed.

44. Amalina Mohd Tajuddin, **Hadariah Bahron**, Karimah Kassim, Wan Nazihah Wan Ibrahim and Bohari M.Yamin (2012) Synthesis And Characterisation Of Palladium(Ii) Schiff Base Complexes And Their Catalytic Activities For Suzuki Coupling Reaction, The Malaysian Journal of Analytical Sciences, Vol. 16 No. 1 (2012): 79 – 87, ISSN : 1394-2506 – Scopus Indexed.
45. **Hadariah Bahron**, Najihah Abu Bakar, Bohari M. Yamin and M. Sukeri M. Yusof (2012) 6,6'-Dimethoxy-2,2'-[(E,E')-(2,4,6-trimethyl-1,3-phenylene)bis-(nitrilomethanylylidene)]diphenol chloroform monosolvate, Acta Crystallographica Section E: Structure Reports Online, Acta Cryst. (2012). E68, o1176 (doi:10.1107/S1600536812011531) – Scopus Indexed.
46. Ahmad Fauzi Abu Bakar, **Hadariah Bahron**, Karimah Kassim and Mazatulikhma Mat Zain (2011) Synthesis, Characterization And Neurotoxic Effect Of Schiff Base Ligands And Their Complexes, The Malaysian Journal of Analytical Sciences, Vol. 15, No. 1, (2011): 93–100, ISSN : 1394-2506 – Scopus Indexed.
47. **Hadariah Bahron**, Amalina Mohd Tajuddin, Wan Nazihah Wan Ibrahim, Madhukar Hemamalini and Hoong-Kun Fun (2011) Bis{2-[(E)-(4-fluorobenzyl)iminomethyl]-6-methoxyphenolato-□2N,O1}nickel(II), Acta Cryst. (2011). E67, m1010–m1011 (doi:10.1107/S1600536811025189) – Scopus Indexed.
48. **Hadariah Bahron**, Amalina Mohd Tajuddin, Wan Nazihah Wan Ibrahim, Madhukar Hemamalini and Hoong-Kun Fun (2011) Bis{2-[(E)-(4-fluorobenzyl)iminomethyl]-6-methoxyphenolato}palladium(II), Acta Cryst. (2011). E67, m759–m760 (doi:10.1107/S1600536811017739) – Scopus Indexed.
49. **Hadariah Bahron**, Fatimatuzzahraa Mohd Fadzel, Karimah Kassim, Madhukar Hemamalini and Hoong-Kun Fun. (2011), 2-[(E)-(2,4-Dihydroxybenzylidene)-azaniumyl]-3-phenylpropanoate, Acta Cryst. (2011). E67, o1331–o1332 (doi: doi:10.1107/S1600536811016655) – Scopus Indexed.
50. Amalina Mohd Tajuddin, **Hadariah Bahron**, Wan Nazihah Wan Ibrahim and Bohari M. Yamin (2010) Bis{2-[1-(benzylimino)ethyl]phenolato}palladium(II), Acta Cryst. E66, m1100 (doi:10.1107/S1600536810031375) – Scopus Indexed
51. Mohd Fadzel, F., **Bahron, H.,** Kassim, K., Zain, M.M. (2010) Toxicity study of Schiff bases derived from 2,6-diaminopyridine and their novel metal complexes, CSSR 2010 - 2010 International Conference on Science and Social Research , art. no. 5773885, pp. 757-761 ((doi: 10.1109/CSSR.2010.5773885) – Scopus Indexed.
52. Shotor, S.N.M., Kassim, K., **Bahron, H.**, Tajuddin, A.M., Yusof, F.Z., Marmion, C.J., Rajab, N.F. (2010) In-Vitro Cytotoxicity Studies Of Vanadyl Complexes With Hydroxamic Acid Series, CSSR 2010 - 2010 International Conference on Science

and Social Research , art. no. 5773735, pp. 1283-1286 (doi: 10.1109/CSSR.2010.5773735) – Scopus Indexed.

53. Abu Bakar, S.N., **Bahron, H.**, Kassim, K. (2010) Synthesis And Characterization Of A Novel Schiff Base Derived From 2,4,6-trimethyl-m-phenylenediamine with o-Vanillin And Its Metal Complexes, CSSR 2010 - 2010 International Conference on Science and Social Research , art. no. 5773821, pp. 463-466 (doi: 10.1109/CSSR.2010.5773821) – Scopus Indexed.
54. Noordin, N., **Bahron, H.,** Kassim, K., Zain, M.M. (2010) Synthesis, Characterization And Neurotoxicity Of Multidentate Azomethine Series And Their Cu(II) And Ni(II) Complexes, CSSR 2010 - 2010 International Conference on Science and Social Research , art. no. 5773818, pp. 447-450 (doi: 10.1109/CSSR.2010.5773818) – Scopus Indexed.
55. Abu Bakar, A.F., **Bahron**, H., Kassim, K., Zain, M.M. (2010) Synthesis, Characterization And Neurotoxicity Of Schiff Bases Derived From 1,8-Diaminonaphthalene, CSSR 2010 - 2010 International Conference on Science and Social Research, art. no. 5773736, pp. 1287-1290 (doi: 10.1109/CSSR.2010.5773736) – Scopus Indexed.
56. Ramlee, N., Abu Bakar, S.N., **Bahron**, H., Harun, M.K., Kassim, K., Yahya, M.Z.A. (2010) Interaction Of Schiff Bases And Their Corresponding Amines And Aldehyde With Mild Steel Surface In 1.0 M Hydrochloric Acid Solution, CSSR 2010 - 2010 International Conference on Science and Social Research , art. no. 5773819, pp. 451-456 (doi: 10.1109/CSSR.2010.5773819) – Scopus Indexed.
57. Yamin, B. M., Bakar, S. N. A., Kassim, K. and **Bahron, H.**(2009) 6,6'-Dimethoxy-2.2'-[(E,E')-(4-chloro-m-phenylene)bis(nitrilomethylidyne)]-diphenol, Acta Crystallographica, Section E, E65, o2573 [doi:10.1107/S1600536809037386] – Scopus Indexed.
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59. A.M.M. Ali, R.H.Y. Subban, H. **Bahron**, T. Winie, F. Latif, M.Z.A. Yahya, (2008) Grafted Natural Rubber-Based Polymer Electrolytes: ATR-FTIR and Conductivity Studies, Ionics, Volume 14, Number 5, 491-500, DOI 10.1007/s11581-007-0199-3, Springer. (Received: 4 October 2007, Revised: 7 December 2007, Accepted: 14 December 2007). – Scopus Indexed.
60. A.S.M. Sauri, K. Kassim, H. **Bahron**, M.Z.A. Yahya, M.K. Harun (2009) An Investigation on Effects Of Substituents In N,N'-Dibensylidene Ethane-1,2-Diamine Towards Corrosion Inhibition On Steel In 1M HCl, Materials Research Innovations, Volume 13, No. 3, 305-308, W.S. Maney & Son Ltd. (DOI 10.1179/143307509X440604) – Scopus Indexed.

61. A. M. M. Ali, H. **Bahron**, R. H. Y. Subban, T. I. T. Kudin and M. Z. A. Yahya, (2009) Frequency Dependent Conductivity Studies On PMMA-Licf3so3 Polymer Electrolytes, Materials Research Innovations, Volume 13, No. 3, 285-287, W.S. Maney & Son Ltd. (DOI 10.1179/143307509X440541) – Scopus Indexed.
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63. Karimah Kassim, **Hadariah** Bahrom and Bohari M. Yamin (2006) (E-E)-N,N'-Bis(4-tolylmethylidene)-ethylenediamine, Acta Crystallographica, Section E, E62, o3521-o3522 (doi:10.1107/s160053680602798X) – Scopus Indexed.
64. **Hadariah Bahron**, Karimah Kassim, Sharifah Rohaiza Syed Omar, Shadatul Hanum Rashid, Hoong-Kun Fun, Suchada Chantrapromma (2007) (E,E)-N,N'-Bis(4-chlorophenyl)-ethylenediamine, Acta Crystallographica, Section E, E63, o558-o560. (doi:10.1107/s1600536807000025) – Scopus Indexed.
65. A.M.M. Ali, M.Z.A. Yahya, H. **Bahron**, R.H.Y. Subban, M.K. Harun and I. Atan, (2007) Impedance studies on plasticized PMMA-LiX [X: CF3SO3–. M(CF3SO2)2–] polymer electrolytes Materials Letters 61 2026-2029, Elsevier (doi: 10.1016/j.matlet.2006.08.008) – Scopus Indexed.
66. K. Kassim, H. **Bahron** and N.H. Ismail (2007), Synthesis and Characterization of Cyclic and Acyclic Schiff Bases, Science Letters, Volume 4, Issue 1, 115-125, ISSN 1675-7785
67. **Hadariah Bahron**, Leslie F. Larkworthy, Agathe Marecaux, David C. Povey and Gallienus W. Smith. (1994) Structure of bis(N-n-butylsalicylideneiminato) cobalt(II) and bis(N-tert-butylsalicylidene iminato) cobalt(II) complexes and reactivity towards oxygen and nitric oxide, Journal of Chemical Crystallography, Vol. 24, No. 2 – Scopus Indexed.
68. **Hadariah Bahron**, Noraini Mohd Nasir and Zaidi Mohd Aminuddin (2004) Performance of Pre Science Graduates at Diploma Level: Affiliated Colleges and UiTM, The International Journal of Education Development, Volume 1, September 2004, pages 57-69, ISSN 1823-1713

E) POST-GRADUATE SUPERVISION/CO-SUPERVISION

No.	Postgraduate Name/Role/Title of Thesis	Level
1.	**Dr Karimah Kassim** (Main Supervisor) *Synthesis and Characterization of New Macrocyclic and Acyclic Schiff Base Ligands and Metal Complexes*	Ph.D. (Graduated April 2005)
2.	**Dr Abdul Malik Marwan Ali** (Co-supervisor) *Polymer electrolytes based on poly(methyl methacrylate) (PMMA): Characterization for application in lithium polymer battery*	Ph.D. (Graduated July 2008)
3.	**Mr Ahmad Shalabi Md Sauri** (Co-supervisor) *Synthesis, characterization of Schiff Base ligands and the investigation on effects of substituents towards the corrosion inhibition on copper and steel*	M.Sc. (Graduated March 2010)
4.	**Miss Fatimatuzzahraa Mohd Fadzel** (Main Supervisor) *Antimicrobial Investigation And Cytotoxicity Of Novel Metal Complexes Of Tetradentate Schiff Bases Derived From 2,6-Diaminopyridine*	M.Sc. (Graduated 2012)
5.	**Mr Ahmad Fauzi Abu Bakar** (Main Supervisor) *Synthesis, Characterization and Biological Activity of Azomethines and Their Co(II), Cu(II), Ni(II) and Zn(II) Complexes*	M.Sc. (Graduated 2013)
6.	**Mrs Siti Noriah Mohd Shotor** (Main Supervisor) *Hydroxamic Acid Series and Their Metal Complexes: Synthesis, Characterization, Toxicity and Insulin-mimetic Activities*	M.Sc. (Graduated 2014)
7.	**Dr Amalina Binti Mohd Tajuddin** (Main Supervisor) *Bidentate Schiff Base Series: Synthesis and Characterization of Palladium(II) Complexes as Catalysts for Heck and Suzuki Cross-Coupling Reactions*	Ph.D. (Graduated 2014)
8.	**Dr Aliyin Binti Abdul Gani** (Main Supervisor) *Benzenoid Polycyclic Schiff Bases As Corrosion Inhibitors*	Ph.D. (Graduated 2018)

	Corrosion Inhibition Study Of Heterocyclic Schiff Bases Derived From Isatin On Mild Steel In 1 M HCl	
9.	**Dr Shahrul Nizam Bin Ahmad** (Main Supervisor) *Palladium(II) And Nickel(II) Azomethine Complexes: Synthesis, Characterization, Catalytic And Anticancer Properties*	Ph.D. (Graduated 2018)
10.	**Miss Syaidah Athirah Binti Dzolin** (Main Supervisor) *Corrosion Behaviour Of Mild Steel Electrodeposited With Aromatic Imine*	M.Sc. (Graduated 2018)
11.	**Miss Siti Solihah Binti Khaidir** (Main Supervisor) *Schiff Bases Derived From Phenylenediamines With Their Mono-, Di- And Tetranuclear Complexes: Synthesis, Characterization And Anticancer Screening*	M.Sc. (Graduated 2018)
12.	**Miss Latifah Robbaniyah Hassan** (Co-Supervisor) *Synthesis and Characterization of Hydroxamic Acid Complexes for Antibacterial, Anticancer and Antidiabetic Investigation*	M.Sc. (Expected to graduate in 2020)
13.	**Mrs Noorlaila Ramlee** (Main Supervisor) *Tetradentate Schiff Bases As Ionic Scavengers In Polymeric Coatings for Corrosion Inhibition Of Mild Steel*	Ph.D. (Expected to graduate in 2020)
14.	**Miss Fatin Raudah Bt Muhamad Ridza** (Main Supervisor) *Synthesis, Characterization, Antibacterial And Anticancer Screening Of Schiff Bases Derived From 2.6-Diamino-pyridine And Their Metal Complexes*	M.Sc. (Expected to graduate in 2020)
15.	**Miss Siti Nur Elyani Binti Awizuha** (Main Supervisor) *Synthesis, Characterization And Catalytic Activity Of Schiff Base Complexes For Suzuki-Miyaura Coupling Reaction*	M.Sc. (Expected to graduate in 2020)
16.	**Mrs Siti Solihah Binti Khaidir** (Main Supervisor) *Microwave-Assisted Synthesis of Polynuclear Complexes as Biosensing Materials for Porcine DNA*	Ph.D. (Expected to graduate in 2021)
17.	**Nur Husnina Binti Nasaruddin** (Co-Supervisor) *Synthesis, Characterization And Kinetic Studies Of Polyvinyl Alcohol (PVA) Immobilized Ni(II), Co(II) and*	M.Sc. (Expected to graduate in 2021)

	La(III) Schiff Base Complexes In Sonogashira Coupling Reaction In Water	

F) Involvement in Research

No.	Selected Titles of Research Project	Head / Member	Year Beginning - Ending	Granting Body
1	New Multi-Metal Complexes Of Schiff Bases Derived From 2,6-Diaminopyridine For In-Vitro Screening Of Anticancer And Antibacterial Activities	Head	2018-2020	UiTM
2	Green Synthesis Of Polynuclear Transition Metal Complexes For Optical Biosensors Of Porcine Derivatives Through Dna Binding	Head	2018-2019	UiTM
3	Catalytic properties of Palladium(II) azomethine complexes in C-C bond formation	Member (Head – SAIA)	2014-2016	RAGS, KPM
4	Corrosion Behaviour of Mild Steel Electrodeposited with Heterocyclic Imine	Member (Head – NHAH)	2014-2016	RAGS, KPM
5	Electrochemical And Mechanism Investigation Of Conjugated Thiosemicarbazide As Corrosion Inhibitor	Member (Head – KK)	2013-2015	FRGS, MOHE
6	Synthesis And Characterization Of New Hybrid Catalytic Metal Organic Framework With Nitrogen Containing Ligands Via Post-Synthetic Thermolysis Method	Member (Head – WNWI)	2013-2015	FRGS, MOHE
7	Cytotoxicity And Antimicrobial Investigation Of Novel Multi-Metal Complexes Of Schiff Base Series	Head	2012-2014	RMI, UiTM
8	Catalytic Properties Of Thermally Stable Heterogeneous Metal Organic Frameworks	Member (Head – WNWI)	2012-2014	RMI, UiTM
9	The Resonance And Inductive Effects Of Heterocyclic Nitrogenous Molecules On Their Bonding Mechanism With Iron	Member (Head – MKH)	2012-2014	RMI, UiTM

10	Bidentate Schiff Base Series: Synthesis and Characterization of Palladium(II) Complexes as Catalysts for Heck and Suzuki Cross-Coupling Reactions (Principal Researcher)	Head	2011-2014	RMI, UiTM
11	Investigation of Palladium(II) and Titanium(II) Complexes as Novel Heterogeneous Catalysts mounted on Carbon Nanotubes and Mesoporous Materials	Member (Head – WNWI)	2009-2011	FRGS, MOHE
12	Synthesis and Characterization of Novel Schiff Base Polymers from Cystamine for Corrosion Inhibition Study	Member (Head – KK)	2009-2011	FRGS, MOHE
13	Synthesis and Characterization of Schiff Base Compounds Derived from Cinnamaldehyde and Amino Acids for Corrosion Inhibition Analysis	Member (Head – YSK)	2009-2010	RMI, UiTM
14	Synthesis, Structural Studies and Biological Activities of Transition Metal complexes of Novel Nitrogen-Oxygen-Sulphur (NOS) Tridentate Schiff Bases Derived from S-Benzyldithiocarbazate with Ciprofloxacin	Member (Head – MAFAM)	2009-2010	RMI, UiTM
15	Multidentate Azomethine Series: Complexation and Bioactivity Studies	Head	2008-2010	FRGS, MOHE
16	Hydroxamic Acid Series and Their Metal Complexes: Synthesis, Characterization and Toxicity Study	Head	2008-2009	RMI, UiTM
17	Development and Application of Corrosion Inhibitors from Schiff Bases	Member	2006-2008	e-Science, MOSTI
18	Application of Cyclic and Acyclic Schiff Bases as Corrosion Inhibitors	Member	2006-2007	IRDC, UiTM
19	Synthesis, Characterisation and Anti-Microbial Studies of Transition Metal Complexes with Tetradentate Schiff Base Ligands	Member	2004-2006	IRDC, UiTM
20	Synthesis and Characterisation of New Macrocyclic Ligands and Their Metal Complexes	Head	2002-2004	IRDC, UiTM

G) EXTERNAL & INTERNAL EXAMINATION/ EVALUATION (Ph.D. and M.Sc.)

i) Wan Nazihah Wan Ibrahim, M.Sc. Thesis, Universiti Teknologi Malaysia, Heterogeneous Palladium(II) Schiff Base Functionalized MCM-41 As Catalyst for Carbon-Carbon Cross Coupling Reaction, July 2008.

ii) Fathi F. Mughrabi (2008395903), Ph.D. Thesis, Universiti Teknologi MARA, Biological Activities of Dithiocarbazate Schiff Base Derivatives on Normal and Diabetic Rats, July 2011.

iii) Md. Abdus Salam, Ph.D. Thesis, Universiti Malaysia Sarawak, Synthesis, Structural Characterization and Biological Activities of Novel Organotin(IV) Complexes with N(4)-Substituted Thiosemicarbazone/Hydrazone Ligands Containing NNS/ONS/ON Donor Atoms, June 2012.

iv) Mark Lee Wun Fui, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Sintesis, Struktur, Spektroskopi dan Kajian Fotoelectrokimia Kompleks Molibdenum dan Tungsten Nitrosil sebagai Pemeka Foto bagi Fotoanod Sel Fotoelektrokimia, July 2012.

v) Siti Kamilah binti Che Soh, Ph.D. Thesis, Universiti Teknologi Malaysia, Polyaniline Supported Palladium(II)-Schiff Base Complexes as Catalysts in Carbon-Carbon Bond Formation, February 2013.

vi) Nur Illane Mohamad Halim, M.Sc. Thesis, Universiti Teknologi MARA, Synthesis, Characterization and Antibacterial Screening of New Benzoylthiourea Derivatives and Their Metal Complexes, March 2013.

vii) Nur Eliyanti Ali Othman, Ph.D. Thesis, Universiti Kebangsaan Malaysia, Synthesis of Halogeno-carbonoyl Thioureas and Their Indocyanine Dye Derivatives, March 2013.

viii) Timothy Ting Tze Chun, M.Sc. Thesis, Universiti Putra Malaysia, Synthesis, Characterization and DNA Binding Studies of Luminiscent Ruthenium(II) Imidazo Complexes, February 2014.

ix) Khalisah Asilah Binti Mokhtar, M.Sc. Thesis, Universiti Teknologi Malaysia, Synthesis and Catalytic Performances of Palladium(II) Complexes with Iminophosphine Derivatives in Suzuki-Miyaura Cross-Coupling Reactions, April 2014.

x) Nurul Ain Mazlan, M.Sc. Thesis, Universiti Putra Malaysia, Synthesis, Characterization And Biological Activities Of Tridentate ONS Schiff Bases And Their Mixed-Ligand Metal Complexes Containing Imidazole Or Benzimidazole, April 2014.

xi) Amel Musa Babiker Taha, Ph.D Thesis, Universiti Teknologi Malaysia, Chitosan Supported Biosynthesized Gold Nanoparticles: Catalyst For Oxidation And Reduction Reactions, October 2014.

xii) Ameera Aqeela Salleh Huddin, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Sintesis dan Kajian Biologi Kompleks 5,5,7,12,12,14-

Heksametil-1,4,8,11-tetraazasiklotetradeka-7,14-dienium Bromida dengan Logam Kuprum,Nikel dan Zink, March 2015.

xiii) Nur Iliyani Binti Mohd. Ishak, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Pengkompleksan Garam Nikel, Kobalt dan Zink dengan Garam Makrosiklik 5,5,7,12,12,14-Heksametil-1,4,8,11-Tetraazasiklotetradeka-7,14-Dienium Ditiosianat Dihidrat, Mac 2015.

xiv) Dalal M. Ibrahim Amraga, Ph.D. Thesis, Universiti Sains Islam Malaysia, Synthesis, Characterization and Cytotoxic Studies of Some New Coumarin Derivatives and Their Complexes, January 2016.

xv) Faraidoon Karim Kadir, Ph.D. Thesis, Universiti Teknologi Malaysia, Synthesis And Bilogical Activities Of Novel Thio-(Seleno)-Semicarbazones D8-Metal Complexes, July 2016

xvi) Suhaila Binti Sapari, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Sintesis, Pencirian dan Ujian Antibakteria Terhadap Sebatian Dwigantian Benzoil Terbitan Tiourea, Mei 2016

xvii) Shahratul Ain Mohd Sukri, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Sintesis, Pencirian dan Kajian Kompleks Platinum(II) dan Zink(II) Salfen sebagai
Bahan Sensor bagi Pembangunan Biosensor Optik DNA Khinzir, Januari 2017

xviii) Law Kung Pui, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Struktur dan Sifat Kimia Kompleks Renium(I) Trikarbonil Dengan Ligan Terbitan Piridil-Pirazol, Jun 2017

xix) Wong Tze Ting, Ph.D. Thesis, Universiti Teknologi Malaysia, Biosynthesized Mono And Bimetallic Gold-Palladium Nanoparticles As Catalysts For Reduction And Oxidation Reactions, July 2017

xx) Omima Abdalla Mahjoub Abdalla, Ph.D. Thesis, Synthesis, characterization and antibacterial study of late first row transition metal complexes of 4n-substituted 6-(3-thienyl)pyridine-2-carboxaldehyde-3-thiosemicarbazone, June 2018.

xxi) Farah Binti Ruslin, Ph.D. Thesis, Universiti Teknologi Malaysia, Sintesis, Pencirian, Kajian Sifat Penguraian Terma, Magnet dan Sitotoksik Sebatian Ferosinium, September 2018.

xxii) Noraisyah Abdul Kadir Jailani, M.Sc. Thesis, Universiti Kebangsaan Malaysia, Sintesis Kompleks Kuprum dengan 5,5,7,12,12,14-Heksametil-1,4,8,11-tetraazasiklotetradeka-7,14-diena dan Kajian Interaksi dengan CT-DNA, November 2018.

H) Book Publications (Co-Writer)

No.	Book Title / Role	Publisher	Year
1	Co-writer for: **Basic Chemistry for Engineers** (ISBN 983-3219-38-1) **Hadariah Bahron**, Sim Lai Har, Badariah Abu Bakar dan Mohd Fazli Muhamat	McGraw-Hill Asian Customised Edition	June 2005
2	Co-writer for: **Applied Sciences** **School Textbook for Secondary School (Technical/Vocational) Year 4&5** (ISBN 983-62-8616-0) **Hadariah Bahron**, Mohd Isa Mohd Yusof, Sharifah Rohaiza Syed Omar and Mohd Radzi Abdul Wahab	Dewan Bahasa dan Pustaka and Bahagian Buku Teks, Kementerian Pelajaran Malaysia	2006
3	Co-writer for: **Inorganic Chemistry Laboratory Manual** (ISBN 978-983-3644-94-0) **Hadariah Bahron**, Badariah Abu Bakar, Kamariah Muda dan Sharifah Rohaiza Syed Omar	University Publication Centre (UPENA)	2007
4	Co-writer for: **Inorganic Chemistry Experiments for Undergraduates** (ISBN 978-967-305-164-9) **Hadariah Bahron**, Kamariah Muda, Sharifah Rohaiza Syed Omar dan Karimah Kassim	University Publication Centre (UPENA)	2008
5	Co-writer for: **Applied Sciences** **School Textbook for Secondary School (Technical/Vocational) Year 4&5** – Revised Edition (ISBN 983-62-8616-1) **Hadariah Bahron**, Mohd Isa Mohd Yusof, Sharifah Rohaiza Syed Omar and Mohd Radzi Abdul Wahab	Dewan Bahasa dan Pustaka and Bahagian Buku Teks, Kementerian Pelajaran Malaysia	2009

I) Book Publications (Editor)

No.	Book Title / Role	Publisher	Year
1	Series Editor for 'Siri Pra Sains' books: • **Asas Kimia** – First Edition (ISBN 983-9340-37-9) • **Asas Fizik** – First Edition (ISBN 983-9340-38-7) • **Asas Biologi** – First Edition (ISBN 983-9340-75-1) • **Asas Matematik IA** – First Edition (ISBN 983-9340-35-2) • **Asas Matematik IIA** – First Edition (ISBN 983-9340-36-0)	McGraw-Hill	2001
2	Series Editor for 'Siri Pra Sains' book: • **Asas Fizik – Second Edition** (ISBN 983-2606-21-7)	McGraw-Hill	2003
3	Science Editor for Internation Association of Concrete Technology Journal: • **Journal of the International Association of Concrete Technology**. Volume1, Number 1, September 2003. (ISSN 1475-8439) • **Journal of the International Association of Concrete Technology**. Volume 1, Number 2, December 2003. (ISSN 1475-8439)	International Association of Concrete Technology	2003
4	Series Editor for the publication of the books in the 'Pre Science Series' • **Basic Physics** (ISBN 983-3219-31-4) • **Basic Chemistry** (ISBN 983-3219-40-3) • **Basic Biology** (ISBN 983-3219-65-9) • **Basic Mathematics IIA** (ISBN 983-3219-32-2) • **Basic Mathematics IA** (ISBN 983-3219-33-0)	McGraw-Hill Asian Customised Edition	June 2005
5	Editor for: **Basic Chemistry for Engineers: Laboratory Manual**	McGraw-Hill	June 2005

	(ISBN 983-3219-47-0)	Asian Customised Edition	