



## Curriculum Vitae

### (A) Personal

- Age : 34 years old
- Gender : Male
- Race : Malay
- Nationality : Malaysian
- Date and Place of Birth : 5 June 1983 / Penang
- Marital Status : Married
- Current Position : Professor and Dean
- Area of Expert : Hydrochemistry, Geochemistry, Heavy Metals, Water Quality, Environmental Chemistry and Analysis, Environmental Forensics

### (B) Education

- Ph.D, Universiti Malaysia Sabah, Sabah, Malaysia (Joint Supervision: Gwangju Institute of Science and Technology, Republic of Korea), 2009 (13 May 2009)
- B.Sc. (Hons.), Universiti Malaysia Sabah, Sabah, Malaysia, 2005
- Internship Certificate, Gwangju Institute of Science and Technology, Gwangju, Republic of Korea, 2005
- Matriculation, Kolej Yayasan Pelajaran MARA Bangi, Selangor, Malaysia, 2002
- Sijil Pelajaran Malaysia (SPM), Sekolah Menengah Sains Tuanku Syed Putra, Perlis, Malaysia, 2000

### (C) Professional Societies

- **Fellow, FGS** (Fellowship number: 1018940), The Geological Society of London since 2011-present
- **Member, MRSC** (Membership number: 589105), Royal Society Chemistry, London since 2015-present
- **Member**, Society for Environmental Geochemistry & Health (Membership number: 502295535-5603) since 2015-present
- **Member**, Young Scientist Network – Academy of Sciences Malaysia (YSN-ASM) since December 2012 – present
- **Member** (Membership number: 9230), International Association of Hydrological Sciences (IAHS) since 2008-present
- **Member** (Membership number: PPA-FPAS-A03590), Persatuan Pegawai Akademik Universiti Putra Malaysia since 2012
- **Member** (Membership number: P0186), Malaysian Analytical Sciences Association (ANALIS) since 2006 -present
- **Member**, Asia Pacific Association of Hydrology and Water Resources (APHW) since 2004-present

## (D) Appointments

### Academic Management and Leadership Appointments

- **Dean**, Faculty of Environmental Studies, Universiti Putra Malaysia, 1<sup>st</sup> Sept 2016- present
- **Senate Member**, Universiti Putra Malaysia, 1<sup>st</sup> Sept 2016- present
- **Professor**, Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia, 1<sup>st</sup> January 2017 – present
- **Editorial Board Member**, Scientific Reports (Q1 – Top 10%), Nature Publishing Group, 2016-present.
- **SEARCA Regional Professorial Chair**, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), 2016-2017
- **Associate Editor**, Environmental Geochemistry and Health (Q1), Springer, 2015-present
- **Editor**, SpringerPlus: Earth and Environmental Sciences, Springer, 2014-present
- **Editorial Board Member**, Global Journal of Environmental Science and Management, ISWA, 2015-present
- **Editorial Board Member**, Pollution, ISWA, 2015-present
- **Chief Editor**, Procedia Environmental Science – Special issue on Environmental Forensics, Elsevier, 2015
- **Committee Advisor**, Curriculum Development – Master of Environmental Forensics, Universiti Malaysia Terengganu, 2015-2018
- **Associate Researcher**, Halal Product Research Institute, Universiti Putra Malaysia, 5th May 2015 – present.
- **Associate Researcher**, Institut Kajian Pertanian, Universiti Putra Malaysia, 1st January 2016 – 30th January 2018.
- **Deputy Dean (Postgraduate, Research and Development)**, Faculty of Environmental Studies, Universiti Putra Malaysia, 1<sup>st</sup> Sept 2014- 31st August 2016
- **Associate Professor**, Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia, 1<sup>st</sup> July 2013 – 31<sup>st</sup> December 2016
- **Guest Editor**, Frontiers in Chemistry, Frontiers , 2013-2015.
- **Guest Editor**, Frontiers in Environmental Sciences, Frontiers , 2013-2014.
- **Head**, Environmental Forensics Research Centre, Faculty of Environmental Studies, Universiti Putra Malaysia, 14<sup>th</sup> June 2012 – 31<sup>st</sup> August 2014
- **Head**, Environmental Forensics Research Group Environment and Energy Research Cluster, Universiti Putra Malaysia, 2013 - present
- **Committee Advisor**, Curriculum Development – Diploma of Environmental Engineering (Water and Wastewater) for Ministry of Higher Education, 2013-2014.
- **Coordinator**, Center of Excellence for Environmental Forensics, Faculty of Environmental Studies, Universiti Putra Malaysia, 1<sup>st</sup> September 2011 – 14<sup>th</sup> June 2012
- **Review Editor**, Frontiers in Environmental Toxicology (Thomson ISI), Frontiers and Nature Publications Group 2013-present
- **Associate Editor**, Research Journal of Environmental Sciences (Thomson ISI), Academic Journals Inc., 2011-present
- **Associate Editor**, Journal of Environmental Science and Technology (SCOPUS), Asian Network for Scientific Information, 2011-present
- **Associate Editor**, Asian Journal of Earth Sciences (SCOPUS), Academic Journals Inc., 2011-present
- **Regional Editor**, Global Journal of Environmental Research, International Digital Organization for Scientific Information, 2011-present
- **Senior Lecturer**, Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia, 13<sup>th</sup> May 2009 – 30<sup>th</sup> June 2013.
- **Guest Editor**, World Applied Sciences Journal (indexed in Thomson ISI), International Digital Organization for Scientific Information, 2010.

- **Guest Editor**, EnvironmentAsia Journal (indexed in Scopus) on Vol 3 Special Issue (October 2009) “Current Issues in Environmental Quality Management in Malaysia” 2009.
- **Tutor**, Department of Environmental Sciences, Faculty of Environmental Studies, Universiti Putra Malaysia, 4<sup>th</sup> December 2006 – 12<sup>th</sup> May 2009.
- **Research Assistant cum Ph.D Student**, School of Science and Technology, Universiti Malaysia Sabah, 2005-2008
- **Tutor (Part Time)**, SS2113 *Hidrologi Sekitaran* (Environmental Hydrology), School of Science and Technology, Universiti Malaysia Sabah, 2006/2007; Semester I
- **Fellow**, *Kolej Kediaman CD* (Residential College), Universiti Malaysia Sabah, 2005 -2008
- **Demonstrator** of biological sciences for Open University Malaysia, 2006
- **Demonstrator**, SS2053 Analisis Kualiti Air dan Tanah, School of Science and Technology, Universiti Malaysia Sabah, 2005/2006; Semester II
- **Demonstrator** of Biological Sciences for Open University Malaysia, 2004

#### **Member, Board of Advisors at National and International Levels**

- **Panelist**, HLAFF PhD / Postdoctoral Scholarship for Human Life Advancement Foundation (HLAFF), 2016-present
- **Member**, Task Force War Room, Semenyih River Pollution Issue, Ministry of Natural Resources and Environment, 2016-present
- **Board of Advisor**, Curriculum Development of Master in Environmental Forensics for Universiti Malaysia Terengganu, 2015 - present
- **Member**, Jawatankuasa Penilaian Perunding (JPP) Projek Kajian Pembentukan Kriteria & Standad Kualiti Air Tanah Kebangsaan, Ministry of Natural Resources and Environment, 2015 - present
- **Member**, Lembaga Penasihat Koperasi, Koperasi Usahawan Belia Inovatif dan Kreatif Kedah Berhad, 2015 - present
- **Government Advisor**, Ministry of Environment and Water Resources, Republic of Trinidad and Tobago, 2014-2015 (on the establishment of Institute of Environmental Forensics)
- **Expert Advisor**, Department of Environment, Ministry of Natural Resources and Environment, Malaysia, 2013-present (on Groundwater Resources)
- **Expert Advisor**, Ministry of Health, Malaysia, 2014-present (on Water Security)
- **Panel of Grant Reviewer**, South African Medical Research Council, 2013
- **Member**, A.ENERGY - Asian iNstitute for Environmental Research and energy, South Korea, 2010-2013
- **Committee Advisor**, Curriculum Development – Diploma of Environmental Engineering (Water and Wastewater) for Ministry of Higher Education, 2013.

#### **(E) Awards**

- Best Professor in Environmental Studies, The golden Globe Tigers Award 2017, International, 2017
- Finalist, National Young Scientist Award 2016 (Anugerah Saintis Muda Negara 2016), Ministry of Science, Technology and Innovation Malaysia, 2016
- Anugerah Insentif Penerbitan Individu 2015, Universiti Putra Malaysia
- SEARCA Regional Professorial Chair, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), 2016-2017
- Excellence Service Award 2015 from Universiti Putra Malaysia, 2016
- Excellence Service Award 2014 from Universiti Putra Malaysia, 2015
- Travel Grant Award as Keynote Speaker in the International Social Science Conference (ISSC) 2015, Indonesia
- Young Scientist Award 2013 (Vice Chancellor Fellowship Award), Universiti Putra Malaysia, 2014
- Excellence Service Award 2013 from Universiti Putra Malaysia, 2014

- Excellence Service Award 2012 from Universiti Putra Malaysia, 2013
- Publication Incentive Award, Universiti Putra Malaysia, 2013, 2014
- Elected Member Young Scientist Network – Academy of Sciences Malaysia, 2012
- Excellence Service Award 2011 from Universiti Putra Malaysia, 2012
- Elected Fellow (Fellows can use the postnominal FGS), The Geological Society London, 2011
- Excellence Service Award 2010 from Universiti Putra Malaysia, 2011
- Publication Incentive Award, Universiti Putra Malaysia, 2011
- Travel Grant Award, Keynote Speaker to attend The 2<sup>nd</sup> WEPA International Workshop and the 6<sup>th</sup> Annual Meeting (23-24 February 2011), Tokyo, Japan from Institute for Global Environmental Strategies, Japanese Ministry of Environment (Approximately RM 10 000), 2011
- Excellence Service Award 2009 from Universiti Putra Malaysia, 2010
- Travel Grant Award, Invited Presenter to attend The 1st International Symposium of Education Program for Field-Oriented Leaders in Environmental Sectors in Asia and Africa, Tokyo, Japan from FOLENS and Tokyo University of Agriculture and Technology, Japan (Approximately RM 10 000), 2010
- Travel Grant Award, Invited by Faculty of Engineering, Kyoto University as a visiting professor under Japan Society for the Promotion of Science (JSPS) and Vice-Chancellors' Council of National Universities in Malaysia, 2009.
- Travel Grant Award to Attend the 20<sup>th</sup> Saltwater Intrusion Meeting, Florida, USA from US Federal Government, United States Geological Survey (USGS) (Approximately RM 17 000), 2008.
- Awarded SLAI Scheme from Ministry of Higher Education (MOHE), Malaysia, 2007-2008.
- Promoted to PhD (Conversion from MSc to PhD) by the Senate of Universiti Malaysia Sabah, Malaysia, 2007
- Travel Grant Award /Grant Support to Attend the Seminar on Maliau Basin Expedition, Putrajaya, from Academy of Sciences Malaysia, 2006
- Travel Grant Award /Grant Support to Attend the 6<sup>th</sup> International Olympiad for Environmental Scientists and Engineers (OESE) 2006, Gwangju, South Korea from South Korea Government (Approximately RM 10 000), 2006
- Travel Award / Grant Support to Attend an International Conference on Hydrology in Asia, Guangzhou, China from IAHS, IWRA and UNESCO-IHP (Approximately RM 7500), 2006
- Action Plan Grant For Industrial Technology Development, Ministry Of Science, Technology and Innovation (MOSTI), Malaysia - Research Grant Award, 2005-2007
- Universiti Malaysia Sabah Individual Leadership Award of the year, 2005
- School of Science And Technology Prime's Award, 2005
- Dean's List for Semester II 2004/2005, 2005
- Dean's List for Semester I 2004/2005, 2004
- Universiti Malaysia Sabah Individual Leadership Award of the year, 2004
- Universiti Malaysia Sabah Incentive Prize for Students With CGPA 3.33 Above, 2002
- Matriculation Leadership Award, 2001
- Best Student in PMR List, 1998
- Best Student Award, 1998
- Best Student Award, 1997

## (F) Recognition

### Research and Innovation

- **Bronze Medal** – Malaysia Technology Expo 2016. Antibacterial Water Filter for *Escheriachia Coli* Removal during Emergency Situation. (Sarva Mangala Praveena, Karmegam Karuppiah, Leslie Than Thian Lung, Ahmad Zaharin Aris and Zailina Hashim) 18-20 February 2016.
- **Malaysia Top Author in Water Resources**, Academy of Sciences Malaysia, 2015-2016
- **Appeared and Highlighted** in ResearchSEA (Asia Research News) for "Scientists in Malaysia have found that crab shells are effective in removing copper and cadmium from contaminated

waters”(http://www.researchsea.com/html/article.php/aid/9034/cid/1/research/science/universiti\_putra\_malaysia\_\_upm\_/purifying\_contaminated\_water\_with\_crab\_shells\_\_.html), 2015

- **Appeared and Highlighted** in Kable (www.water-technology.net) for “Crab shells effective in purifying contaminated water” (http://www.water-technology.net/news/newscrab-shells-effective-in-purifying-contaminated-water-say-malaysian-researchers-4658258), 2015
- **Research Publication Recognition:** Paper entitled “Drinking water studies: A review on heavy metal, application of biomarker and health risk assessment (a special focus in Malaysia)”, published in the Journal of Epidemiology and Global Health has been listed as No. 1 in the ScienceDirect Top 25 Hottest Articles between May 2015 and December 2015
- **Research Publication Recognition:** Paper entitled “Geoaccumulation and distribution of heavy metals in the urban river sediment”, published in the International Journal of Sediment Research has been listed as No. 1 in the ScienceDirect Top 25 Hottest Articles between September 2014 and April 2015
- **Springer Top 10 Author**, in Malaysia in the field of Water Resources for 2012-2014
- **Scival Top Author (Distinct Competancy)** in the Field of Water Quality, Mangrove and Rivers (2009-2013)
- **Scival Top Author (Distinct Competancy)** in the Field of Water Quality, Sediment, Pollution (2009-2013)
- **Universiti Putra Malaysia Top 3 Author** in the field of Earth Sciences (2008-2012)
- **Appeared** in Malaysia: Who’s Who, Constitution, Government and Politics (2013/2014 Edition), p 1009 as Youngest PhD graduate published by Kasuya Management Sdn. Bhd.
- **Ranked as Top Researcher** in “Seawater Intrusion” and “Water Resources” research topic under the ISI Web of Knowledge, Thomson, 2011
- **Silver Medal** – Pameran Rekacipta, Penyelidikan dan Inovasi Malaysia 2012 (PRPI 12) - National. Universiti Putra Malaysia. Applications of Cation Exchange Capacity and Loss on Ignition as an Indicator of Potential Metal Accumulation in Sediment. (Aris, A.Z., Shafie, N.A. and Puad, N.H.A.) 17-19 July 2012.
- **Bronze Medal** – Pameran Rekacipta, Penyelidikan dan Inovasi Malaysia 2012 (PRPI 12) - National. Universiti Putra Malaysia. Ionic Ratios in Delineating the Hydrogeochemistry Mechanisms. (Aris, A.Z., Isa, N.M.) 17-19 July 2012.
- **Silver Medal** – Pameran Rekacipta, Penyelidikan dan Inovasi 2010 (PRPI 10). Universiti Putra Malaysia. Determination of Heavy Metals in Aquaculture Fish from Selected Locations in the Straits of Malacca. (Zakaria, M.P., Lau, C.G., Zali, M.A., Tahir, N.A.M., Adnan, N.H., Aris, A.Z. and Halimoon, N.) 20-22 July 2010.
- **Silver Medal** - Research D- Environment and Energy Category, Research and Innovation Awards 2010. Universiti Malaysia Sabah. Numerical Model for Groundwater Resources Planning and Management: A Case Study In Manukan Island. (Abdullah, M.H., Praveena, S.M., Aris, A.Z., Yik, L.C. and Musta, B.) 5-6 April 2010.
- **Bronze Medal** - Research D- Environment and Energy Category, Research and Innovation Carnival & PEREKA Competition 2009. Universiti Malaysia Sabah. Numerical Analysis of Seawater Intrusion in Manukan Island (Abdullah, M.H., Praveena, S.M., Aris, A.Z., Yik, L.C. and Musta, B.) 10 - 11 Julai 2009.

#### **Appearance in Historical Record, Newspaper and TV**

- MalaysianDigest.com – “Is There A Looming Water Crisis In Malaysia? We Ask Experts How Serious The Problem Is” on 7<sup>th</sup> October 2016
- iSihat – Majalah Info Kesihatan, “Yang Benar Mengenai Air Sihat” on November 2015 Issue, p22-29.
- Malaysia: Who’s Who, Constitution, Government and Politics (2013/2014 Edition), as Youngest PhD graduate published by Kasuya Management Sdn. Bhd. p 1009
- TV1 – National, “Environmental Forensics” on 11<sup>th</sup> November 2013, Selamat Pagi Malaysia
- TV2 – National, “Environmental Forensics” on 29<sup>th</sup> October 2013, Hello on Two Talk Show

- Bernama TV – National, “Krisis Air” on 25<sup>th</sup> October 2012, Hello Malaysia Talk Show
- Berita Harian – Nasional, “Kaedah baru ramal banjir lebih awal” on 1<sup>st</sup> February 2011, p 2
- Kosmo! – Rencana Utama, “Sumber nadi kini bawa malapetaka” on 30<sup>th</sup> July 2010, p 10
- Utusan Malaysia – Dalam Negeri, “Akta baru lebih tegas atasi perosak alam” on 20<sup>th</sup> July 2010, p 9.
- Utusan Malaysia – Rencana, “Memulihara Sungai Tercemar” on 5<sup>th</sup> Jun 2010, p 10.
- Utusan Malaysia – Mega, “Pencemaran sungai krinital” on 3<sup>rd</sup> May 2010, p 6-7.
- Sinar Harian, “Adakah kualiti air jernih terjamin?” on 11<sup>th</sup> January 2010, p 16-17
- TV9 – Nasi Lemak Kopi O, “Antara Akademik dan Pengalaman” on 5<sup>th</sup> December 2009
- Utusan Malaysia, “Zaharin penerima PhD termuda UMS” on 11<sup>th</sup> October 2009, p 12
- Berita Harian, “Penerima PhD bangga status IPT tempatan” on 11<sup>th</sup> October 2009, p 18
- Utusan Borneo, “Ahmad Zaharin penerima Ijazah Doktor Falsafah (PhD) UMS” on 11<sup>th</sup> October 2009, Front Page (p 1 and p 2)
- Borneo Post, “Ahmad Zaharin graduan termuda menamatkan pengajian Doktor Falsafah di UMS” on 11<sup>th</sup> October 2009, p 2
- Straits Time, “Ahmad Zaharin the youngest to complete his doctorate studies” on 11<sup>th</sup> October 2009, p 2
- Sin Chew Daily – Special, “Our Island Sinking?” on 14<sup>th</sup> October 2008, special coverage (p 1 – p 3)

#### (G) Contributions at International/National/University Level

##### International

- **Chair, International Scientific Committee**, International Conference on Environmental Forensics, Putrajaya, Malaysia, 8-10 August 2015
- **International Program Committee Member**, 5<sup>th</sup> International Conference on Environmental Aspects of Bangladesh, 2014” (ICEAB2014), Dhaka, Bangladesh, 5-6 September 2014.
- **Chairman**, International Conference on Environmental Forensics, Putrajaya, Malaysia, 11 – 14 November 2013
- **International Scientific Committee**, The 3<sup>rd</sup> Asia-Pacific Coastal Aquifer Management Meeting (3<sup>rd</sup> APCAMM), 21-24 October 2013, Beijing, China.
- **International Program Committee Member**, 4<sup>th</sup> International Conference on Environmental Aspects of Bangladesh, 2013” (ICEAB2013), University of Kitakyushu, Japan, 24-26 August 2013.
- **International Program Committee Member**, 3<sup>rd</sup> International Conference on Environmental Aspects of Bangladesh, 2012” (ICEAB2012), University of Kitakyushu, Japan, 13-14 October 2012.
- **International Scientific Committee**, The 2<sup>nd</sup> Asia-Pacific Coastal Aquifer Management Meeting (2<sup>nd</sup> APCAMM), 18-21 October 2011, Jeju Island, Korea.
- **International Program Committee Member**, 2<sup>nd</sup> International Conference on Environmental Aspects of Bangladesh, 2011” (ICEAB11), Fukuoka, Japan, 10 – 11 September 2011.
- **Working Member**, Field-Oriented Leaders in Environmental Sectors in Asia and Africa (FOLENS), based at Tokyo University of Agricultural and Technology, Tokyo, 2010-2014
- **International Scientific Committee Board Member and Core Founder**, The 1st Asia-Pacific Coastal Aquifer Management Meeting (APCAMM), Bangkok, Thailand, 2009
- **Working Member**, Group IV – Environmental Risk Management – JSPS-VCC Core Program, 2009 – 2013

##### National

- **Speaker**, Nobel Laureates Outreach Camp (NLOC) organized by Universiti Putra Malaysia and Majlis Amanah Rakyat (MARA), 2016
- **Member**, Project Evaluation Committee, Department of Environment, Ministry of Natural Resources and Environment, Malaysia, 2016-current.

- **Committee Advisor**, Curriculum Development – Master of Environmental Forensics, Universiti Malaysia Terengganu, 2015-2018
- **Member**, Lembaga Penasihat Koperasi, Koperasi Usahawan Belia Inovatif dan Kreatif Kedah Berhad, 2015 - present
- **Panel of Expert** on Water Resources (Quality), Ministry of Health, Malaysia, 2014-current.
- **Panel of Expert** on Water Resources (Groundwater Quality), Department of Environment, Ministry of Natural Resources and Environment, Malaysia, 2013-current.
- **Panel of Evaluator** on Fundamental Research Grant Scheme (FRGS), Universiti Malaysia Kelantan, Malaysia, 2014-current.
- **Panel of Evaluator** on Trans Research Grant Scheme (TRGS), Ministry of Education, Malaysia, 2014-current.
- **Panel of Evaluator** on Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia, 2014-current.
- **Panel of Evaluator** on Project Assessment, Politeknik Sultan Idris Shah, Ministry of Education, Malaysia, 1 October 2013.
- **Coordinator**, National Science Challenge 2013 (Semi Finals) for Prime Minister's Challenge Trophy, organized by Academy Science of Malaysia, 19-24 August 2013.
- **Facilitator and Invited Lecturer**, Bayer Young Environmental Envoy Eco-Camp, organized by Bayer Malaysia, Bentong, Pahang, 1-4 July 2013.
- **Committee Advisor**, Curriculum Development – Diploma of Environmental Engineering (Water and Wastewater) for Ministry of Higher Education, 2013.
- **Panel of Interviewer**, International Scholarship and Federal Training Award, Ministry of Higher Education, 2012
- **Mentor, Speaker and Committee Member**, Young Environmental Scientist Program (19-21 October 2012) organized by Universiti Putra Malaysia, Forestry Department, Negeri Sembilan and Sekolah Tuanku Abdul Rahmah (STAR), 2012
- **Mentor**, Nobel Laureates Outreach Camp (NLOC) organized by Universiti Putra Malaysia and Majlis Amanah Rakyat (MARA), 2012
- **Committee Advisor** on New Curriculum Development – Diploma of Environmental Engineering (Water and Wastewater) for Ministry of Higher Education, 2011
- **Participant** Workshop on Mega Science Study for Sustained National Development (2011-2050) Water Sector for Stakeholders, 1 July 2010
- **Vice Chairman**, National Seminar on Current Issues and Challenges in Environmental Quality Management in Malaysia, Putrajaya, Malaysia, 2 – 3 December 2009
- **Working Member**, MyNICHE Group, 2009 – present
- **Session Chairman**, National Seminar on Current Issues and Challenges in Environmental Quality Management in Malaysia, Putrajaya, Malaysia, 2 – 3 December 2009

#### **Universiti Putra Malaysia, 2009-current**

- **Chairman**, Jawatankuasa Kerja Kelestarian Hijau, Universiti Putra Malaysia, 2016 - present
- **Member**, Public Grant Council, Universiti Putra Malaysia, 2016 - present
- **Panelist**, Vice Chancellor Fellowship (Journal Category) 2016, Universiti Putra Malaysia.
- **Panel of Evaluator**, Bachelor of Environmental and Occupational Health, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, 2016
- **Panelist**, Vice Chancellor Fellowship (Journal Category) 2015, Universiti Putra Malaysia.
- **Chairman**, Research and Innovation Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Chairman**, Graduate Studies Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Chairman**, Infrastructure, Safety and Environment Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present

- **Chairman**, Exhibitions and Publicity Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Chairman**, Tenders and Quotations Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Chairman**, Trust Fund Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Chairman**, Disposal Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2014 - present
- **Committee**, Human Resources Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2015 - present
- **Committee**, Publicity and Public Relation Committee, Faculty of Environmental Studies, Universiti Putra Malaysia, 2015 - present
- **Taskforce**, Writing Cells, Research Management Centre, Universiti Putra Malaysia, 2015 - 2017
- **Chairman**, International Conference on Environmental Forensics, Putrajaya, Malaysia, 11 – 14 November 2013
- **Panel of Evaluator**, Bachelor of Environmental and Occupational Health, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, 2014
- **Panel of Evaluator**, Grant Application, Universiti Putra Malaysia, 2014 - recent
- **Committee Member**, Jawatankuasa Pameran Penyelidikan Ekspo Pertanian, Konvokesyen Universiti Putra Malaysia ke 37, 26-30 Oktober 2013.
- **Committee Member**, Jawatankuasa Penyelaras Hakim, Pameran Rekacipta, Penyelidikan dan Inovasi Malaysia, 2012
- **Panel of Evaluator**, Review and Evaluation Workshop of Research Program in UPM, 2012
- **Committee Member**, 4th 4x4 Scientific Expedition (ESPER-4) - Kenaboi Forest Area, joint organized by Faculty of Environmental Studies, UPM and Department of Forestry, Negeri Sembilan. 2012
- **Committee Member**, 5th 4x4 Scientific Expedition (ESPER-4) - Pos Kemar, Perak, organized by Faculty of Environmental Studies, UPM. 2012.
- **Committee Member**, Jawatankuasa Penganjur Sukan 3 Penjuru Persatuan/Kesatuan UPM, 17<sup>th</sup> November 2012, 2012
- **Mentor**, Kursus Asas Pengajaran (KAP) (Basic Teaching Course) to Dr Wan Lutfi Wan Johari, 2012
- **Mentor**, Kursus Asas Pengajaran (KAP) (Basic Teaching Course) to Dr Ferdius@Ferdous Mohamat Yusoff, 2012
- **Member**, Faculty Industry & Community Relations Committee, 2012-2013
- **Member**, Faculty Students Award Committee, 2011-2012
- **Internal Auditor**, Audit Pra Pemantauan 2 SPK Pengajian Siswazah Pejabat Timbalan Naib Canselor Akademik dan Antarabangsa (TNCAA) UPM, 2010
- **Advisor**, Faculty of Environmental Studies Students Association, 2009-2012
- **Coordinator**, Seminar on Environmental Research Project 2010, 29 March – 4 April 2010.
- **Member**, Faculty Research Committee, 2009-current
- **Adjudicator**, Intercollege English Debate League (ICED League) 2009, 23 August – 23 October 2009.
- **Coordinator**, Special Instrument Laboratory (ICP-MS), Faculty of Environmental Studies, 2009-Current
- **Panelist**, ESC 5912 (Environmental Research Project, First Semester 2009/2010, Master of Environment, Faculty of Environmental Studies, Universiti Putra Malaysia, 21 November 2009.
- **Chairman** and **Panelist**, Postgraduate Colloquium First Semester 2009/2010, Faculty of Environmental Studies, Universiti Putra Malaysia, 26-29 October 2009.
- **Head**, Penyediaan Buku Program and Penyusunan Projek Tahun Akhir, Seminar Alam Sekitar 6, Fakulti Pengajian Alam Sekitar, 27-30 April, 2009
- **Faculty Representative**, Bowling Tournament, Sukan Universiti Putra Malaysia, 2009
- **Secretariat**, Hari Promosi Siswazah 2009 Universiti Putra Malaysia, 12-14 Mac, 2009



- **Chairman**, Majlis Sllaturrahim Pelajar-Staf Jabatan Sains Alam Sekitar, Fakulti Pengajian Alam Sekitar, 7 Februari, 2009

## (H) Teaching Activities

### Graduate (Master and PhD) Courses

No.	Code and Name of Courses	Credit Hour	Number of Students	Teaching Assessment	Semester/ Academic Year
1	ESC6981 Recent Advances in Environmental Sciences (PhD Course)	3 (3+0)	10	Lecturer	I : 2009/2010
2	ESC5911 Environmental Fieldwork (MS/PhD Course)	6 (0+6)	50	Lecturer	II : 2009/2010
3	ESC5912 Environmental Research Project	6 (0+6)	30	Coordinator / Lecturer	I : 2010/2011
4	ESC6981 Recent Advances in Environmental Sciences	3 (0+3)	8	Coordinator / Lecturer	II : 2010/2011
5	ESC5988 Environmental Research Project	6 (0+6)	40	Coordinator / Lecturer	I : 2011/2012
6	ESC5988 Environmental Research Project	6 (0+6)	40	Coordinator / Lecturer	II : 2011/2012
7	ESC5988 Environmental Research Project	6 (0+6)	34	Coordinator / Lecturer	I : 2012/2013
8	ESC5988 Environmental Research Project	6 (0+6)	28	Coordinator / Lecturer	II : 2012/2013
9	ESC5988 Environmental Research Project	6 (0+6)	30	Coordinator / Lecturer	I : 2013/2014
10	ESC5988 Environmental Research Project	6 (0+6)	30	Coordinator / Lecturer	II : 2013/2014
11	ESC5517 Research Design and Methologies for Environmental Sciences	3 (3+0)	18	Coordinator / Lecturer	II : 2013/2014
12	ESC5517 Research Design and Methologies for Environmental Sciences	3 (3+0)	40	Coordinator / Lecturer	I : 2014/2015
13	ESC5517 Research Design and Methologies for Environmental Sciences	3 (3+0)	30	Coordinator / Lecturer	II : 2014/2015
14	ESC5517 Research Design and Methologies for	3 (3+0)	40	Coordinator / Lecturer	I : 2015/2016

15	Environmental Sciences ESC5517 Research Design and Methologies for Environmental Sciences	3 (3+0)	40	Coordinator / Lecturer	II : 2015/2016
16	Environmental Sciences ESC5517 Research Design and Methologies for Environmental Sciences	3 (3+0)	40	Coordinator / Lecturer (Group I and II)	I : 2016/2017
17	ESC5210 Water Sciences	3 (3+0)	15	Coordinator / Lecturer (Group I and II)	I : 2016/2017

### Undergraduate Courses

No.	Code and Name of Courses	Credit Hour	Number of Students	Teaching Assessment	Semester/ Academic Year
1	SS1030 Basic Environmental Science	3 (3+0)	75	Teaching Assistant	I : 2008/2009
2	SS2113 Environmental Hydrology	3 (2+1)	66	Tutor	I : 2006/2007
3	SS2053 Water and Soils Analysis	3 (2+1)	70	Demonstrator	II : 2005/2006
4	ESC3200 Hydrology and Water Resources	4 (3+1)	80	Lecturer / Coordinator	I : 2009/2010
5	ESC4999A Project	4 (3+1)	80	Lecturer / Asst. Coordinator	I: 2009/2010
6	ESC 3506 Environmental Methodologies	2 (2+0)	60	Lecturer / Coordinator	II: 2009/2010
7	ESC4999B Project	4 (3+1)	40	Lecturer / Coordinator (G2)	II: 2009/2010
8	ESC4991 Seminar	1 (0+1)	40	Lecturer / Coordinator (G2)	II: 2009/2010
9	ESC4202 Hydrogeology	3 (2+1)	14	Lecturer	II: 2009/2010
10	ESC3203 Environmental Hydrology	3 (2+1)	75	Coordinator / Lecturer	I : 2010/2011
11	ESC4999A Project	6 (0+6)	80	Coordinator / Lecturer	I : 2010/2011
12	ESC4999B Project	6 (0+6)	80	Coordinator/ Lecturer	II : 2010/2011
13	ESC4202 Hydrogeology	3 (2+1)	30	Lecturer	II : 2010/2011
14	ESC3010 Soil and Water Sciences	3 (2+1)	160 (2 groups)	Coordinator / Lecturer	I : 2011/2012
15	ESC3002 Environmental Chemistry	4 (3+1)	40	Coordinator / Lecturer	II : 2011/2012
16	ESC3009 Instrumentation and Environmental	3 (2+1)	40	Coordinator / Lecturer	II : 2011/2012

	Analysis				
17	ESC3010 Soil and Water Sciences	3 (2+1)	70 (2 groups)	Coordinator / Lecturer	I : 2012/2013
18	ESC3009 Instrumentation and Environmental Analysis	3 (2+1)	34	Coordinator / Lecturer	II : 2012/2013
19	ESC3010 Soil and Water Sciences	3 (2+1)	35	Coordinator / Lecturer	I : 2013/2014
20	ESC3009 Instrumentation and Environmental Analysis	3 (2+1)	34	Coordinator / Lecturer	II : 2013/2014
21	ESC3010 Soil and Water Sciences	3 (2+1)	40	Coordinator / Lecturer	I : 2014/2015
22	ESC3009 Instrumentation and Environmental Analysis	3 (2+1)	20	Coordinator / Lecturer	II : 2014/2015
23	ESC3010 Soil and Water Sciences	3 (2+1)	35	Coordinator / Lecturer	I : 2015/2016
24	ESC3009 Instrumentation and Environmental Analysis	3 (2+1)	34	Coordinator / Lecturer	II : 2015/2016

## (I) Supervision of Students

### Post-Doctoral

No.	Name of Post-Doctoral	Chairman / Member	Period
1	Dr. Tahoorah Sheiky Narany	Chairman	2016-2017
2	Dr. Sarva Mangala Praveena	Member	2011 (6 monts)

### Doctor of Philosophy (PhD)

No.	Name of Students and Title of Thesis/Project	Chairman / Member	Status	Graduated (Expected)
1	Adamu Mustapha (GS27066) <i>Spatio-Temporal Variation of Surface Water Quality and Pollution Sources Apportionment Using Environmetrics in Jakara Basin, Northwestern Nigeria</i>	Chairman	Graduated (Minor)	2013
2	Noorain Binti Mohd Isa (GS25839) <i>Hydrochemistry Evolution in the Shallow Aquifer of Kapas Island, Terengganu,</i>	Chairman	Graduated (Minor)	2016

<i>Malaysia</i>				
3	Hazzeman Bin Haris (GS26745) <i>Distribution and Assessment of Metals and Methyl Mercury in Intertidal Surface Sediment and Snail, Nerita Lineata (Chemnitz,1774) in Port Klang, Malaysia</i>	Chairman	Graduated (Minor)	2016
4	Looi Ley Juen (GS30404) <i>Development of Mercury Pollution Index Based on Mercury Speciation Modelling in the Coastal Area of the Straits of Malacca</i>	Chairman	Graduated (Minor)	2016
5	Shah Christirani Binti Azhar (GS23343) <i>Water Quality Pattern Recognition Study of Muda River Basin Using Multivariate Analysis</i>	Chairman	Waiting for Viva	2016
6	Nabeel M. Gazzaz (GS18306) <i>Water Quality and Land Use Pattern Recognition of Kinta River Using Artificial Neural Network (ANN)</i>	Member	Graduated	2012
7	Zufarzaana Binti Zulkeflee (GS22755) <i>Characterization and Optimization of Bioflocculant Derived Through Implementation of Submerged and Solid-State Fermentation of Bacillus subtilis UPMB13</i>	Member	Graduated	2015
8	Kang Wee Siang (GS25263) <i>Development of an Expert System for Construction and Demolition Waste Management in Malaysia</i>	Member	On-Going	2015
9	Ananthy a/p Retnam (GS23449) <i>Forensic and Chemometric Approaches in Distribution, Characterization, and Health Risk Assessment of Polycyclic Hydrocarbon in Selected Aquaculture Farms in Peninsular Malaysia</i>	Member	Graduated	2013
10	Cheng Wan Hee (GS24422) <i>Ecotoxicology and Biochemical Studies of the Potential Biomonitoring Agent, Nerita Leneata</i>	Member	Graduated	2016
11	Hosea Kato Mande (GS31939) <i>Effects of Deforestation on Soil and Atmospheric Carbon Balance in Sungai Menyala Forest, Port Dickson, Malaysia</i>	Member	Graduated	2015
12	Tahoora Sheiky Narany (GS28681) <i>Groundwater Quality Assessment and Optimization of Monitored Wells Using Multivariate Geostatistical Techniques in</i>	Member	Graduated	2015

	<i>Amol-Babol Plain, Iran</i>			
13	Fatemeh Valizadehkakhki (GS26239) <i>Source Identification and Distribution of Petroleum Hydrocarbons in Soils and Sediments of Northern Coasts of Persian Gulf</i>	Member	Graduated	2013
14	Nura Umar Kura (GS28278) <i>Groundwater Vulnerability Study and Optimization of Seawater Intrusion Assessment Techniques in Kapas Island, Malaysia</i>	Member	Graduated	2015
15	Nor Azrita Binti Mohd Amin (GS30752) <i>Extreme Air Pollutant Data Analysis Using Classical and Bayesian Approaches</i>	Member	Graduated	2016
16	Pravina Deliganmu (GS31071) <i>Blood and Hair Mercury Levels Among Fishing Village Community of Peninsular Malaysia: The Modeling from Bio-Accumulation</i>	Member	Graduated	2017
17	Nurul Hafiza Binti Ab Razak (GS36103) <i>Exposure of Heavy Metal in Drinking Water and Toenail in Klang District, Malaysia</i>	Member	Graduated	2016
18	Sharifah Mohammad Sharif (GS30683) <i>Air Quality Prediction Using Principal Component Analysis</i>	Member	On-Going	2016
19	Tariq Faruq Sadiq (GS34010) <i>Stabilization and Remediation Of Heavy Metals In Mine Tailing Using Pteris Vittatal. and Veterian Zizanioides L.Assisted With Iron Couted Rice Husk Biochar</i>	Member	Graduated	2016
20	Tuan Mohamad Fauzan Bin Tuan Omar (GS42123) <i>Predicted No-Effect Concentrations (PNECs) values of Estrogenic Pollutants in the Malaysian Riverine and Estuarine Ecosystems</i>	Chairman	On-Going	2018
21	Nor Farhanna Binti Mokhtar (GS39174) <i>Estrogenic Pollution Index for Estuary Ecosystem Health Using Environmental Forensics Approaches</i>	Chairman	On-Going	2016
22	Hanisah Binti Mohmad Nasir (GS42487) <i>Adsorption of Endocrine Disrupting Compounds (EDCs) from Aqueous Solution using Marine Carbonate Residue</i>	Chairman	On-Going	2018

	<i>via Equilibrium, Kinetic and Thermodynamic Studies</i>			
23	Abubakar Ibrahim Tukur (GS41361) <i>Groundwater Vulnerability Modeling and Quality Index Development for the Sustainable Use of Fadama Land Aquifers, Northwestern Nigeria</i>	Member	On-Going	2019
24	Abba Da'u Umar (GS41532) <i>Effectiveness of Riverbank Filtration for Quantitative and Qualitative Drinking Water Production Along Hadejia River Jigawa State, Nigeria.</i>	Member	On-Going	2019
25	Sami Muhsen Sleman Magam (GS35264) <i>Concentration and Distribution of Linear Alkylbenzenes (LABs) in Sediment Samples of Peninsular Malaysia</i>	Member	On-Going	2016
26	Najat Abdullah Ebrahim Masood (GS35263) <i>Investigation of Anthropogenic Inputs in Kuala Selangor River, Malaysia Sediments Using Hydrocarbon Markers (LABs and PAHs)</i>	Member	On-Going	2016

#### Master (MS)

No.	Name of Students and Title of Thesis/Project	Chairman / Member	Status	Graduated (Expected)
1	Lim Wan Ying (GS26993) <i>Assessment of Concentration and Distribution of Heavy Metals in Water-Sediment Facies in Langat River, Malaysia</i>	Chairman	Graduated (Minor)	2013
2	Nur Aliaa Bte Shafie (GS27676) <i>Chemical and Mineralogical Forms of Heavy Metals in Sediments of Langat River, Selangor, Malaysia</i>	Chairman	Graduated (Minor)	2013
3	Lim Ai Phing (GS30365) <i>Development of Effective Water Treatment Technique Using Calcerous Skeleton Stabilizing Agent for Attenuation of Cadmium and Lead Ions</i>	Chairman	Graduated (Minor)	2014
4	Jeremy Andy anak Dominic Daung (GS28860) <i>Spatial Variations of Wet Sediment Bulk Density Profiles in Stormwater Management And Road Tunnel (SMART)</i>	Chairman	Graduated (Minor)	2016

5	<i>Holding Pond, Malaysia</i> Azrul Normi Bin Idris (GS35759) <i>Groundwater Assessment in Tioman Island, Malaysia</i>	Chairman	On-Going	2016
6	Zahidi Bin Hamzah (GS36866) <i>Groundwater Assessment in North Terengganu Area, Terengganu, Malaysia</i>	Chairman	On-Going	2016
7	Anuar Bin Sefie (GS35394) <i>Hydrogeochemistry Assessment of Lower Kelantan River Basin</i>	Chairman	On-Going	2016
8	Nordiani Binti Sidi (GS37538) <i>Merambong Island Sediment-Pore Water-Biota Geochemistry and Accumulation Factors</i>	Chairman	On-Going	2016
9	Yanti Sharida Binti Mohd Shobri (UPNM) <i>Rain Water Harvesting Potential in Rural Area</i>	External Member	Graduated	2015
10	Noor Jaini Binti Latiff (GS31075) <i>Mycotoxin Content in Fish Feed and Water Sample of Aquaculture Farm in Malaysia</i>	Member	Thesis Submitted	2016
11	Nur Zurith Syafiqah Binti Mazalan (GS33066) <i>Characterization of Novel Metal – Tolerant Bacteria and Their Proteins Isolated From Former Tin Mines and Their Possible Biomining</i>	Member	On-Going	2017
12	Noreen Adila Binti omar (GS35619) <i>Total and Bioavailability Concentrations of Heavy Metals In Varieties of Cooked Rice, and Health Risk Assessment</i>	Member	Graduated	2015
13	Nurul Syazani Binti Yuswir (GS34965) <i>Heavy Metals in Soil from Urban Areas of Klang, Malaysia, and Their Health Risk Assessment Using In Vitro Digestion Method</i>	Member	Graduated	2015
14	Doorena anak Dominick (GS29598) <i>Air Quality Assessment of Malaysia Using Environmetric Techniques</i>	Member	Graduated	2013
15	Farrah Atiqah Binti Mohd Noor (GS34872) <i>Relationship Between Arsenic Concentration and Genetic Polymorphism of GSTM1, GSTP1 and GSTT1 in Blood Sample Among Respondents in Malacca</i>	Member	On-Going	2016
16	Hamizah Binti Md Zulkifli (GS34874) <i>Relationship Between Cadmium</i>	Member	On-Going	2016

17	<i>Concentration and Genetic Polymorphism of GSTM1, GSTP1 and GSTT1 in Blood Sample Among Respondents in Malacca</i> Muhammad Amar Bin Zaudi (GS27211)	Member	Graduated	2015
18	<i>Landfill Site Selection Using Geographical Information System (GIS) And Analytical Hierarchy Process (AHP) In Johor Bahru</i> Lake Limnology Umi Wahidah binti Ahmad Dini (GS42080)	Member	On-Going	2016
19	Payman Hassan Mohammed Ali (GS36023) <i>Soil and Water Quality of an Acid Sulfate Soil Area and Their Effects on the Growth of Rice in the Kelantan Plains, Malaysia</i>	Member	Graduated	2016
20	Nor Nasyitah Sobihah binti Mohd Nasri (GS45485) <i>Heavy Metal and Mercury Contamination in Aquacultured Lates Calcarifer From Pulau Ketam, Klang</i>	Chairman	On-Going	2017
21	Wee Sze Yee (GS46858) <i>Identification and Human Health Risk Assessment of Endocrine Disrupting Compounds (EDCs) in Drinking Water Supply System of Klang Valley, Malaysia.</i>	Chairman	On-Going	2018
22	Nur Afifah Hanun binti Ismail (GS47006) <i>Endocrine Disrupting Compounds (EDCs) in Mariculture Fish at Kukup Island, Johore</i>	Chairman	On-Going	2018

#### Master of Environment (MEnv)

No.	Name of Students and Title of Thesis/Project	Chairman / Member	Status	Year Graduated
1	Ahmad Rizal Khalit (GS25303) <i>Groundwater Quality Assessment in Pangkor Island</i>	Chairman	Graduated	2010
2	Nadzhratul Husna A Puad (GS24975) <i>Determination of heavy Metals in Sediment at Kota Marudu, Sabah</i>	Chairman	Graduated	2010
3	Risda Fauzana (GS24454) <i>Determination of Metals in Mangrove Sediment Near Port Klang, Selangor</i>	Chairman	Graduated	2010
4	Erny Haslina Abd Latif (GS24389) <i>Water Quality Assessment of Selected Rivers at Kota Marudu, Sabah</i>	Chairman	Graduated	2010



5	Nurulain Binti Mustafa Udin (GS28694) <i>Hydrochemical Analysis and Evaluation of Groundwater Quality for Different Purpose in North Kelantan</i>	Chairman	Graduated	2012
6	Nurul Ainni Binti Abdul Latiff (GS29167) <i>River Water Quality of Ayer Hitam River (Puchong, Selangor) and Imbak River (Sabah)</i>	Chairman	Graduated	2012
7	Aida Soraya Binti Shamsuddin (GS28679) <i>Effects of Climate Change on Sedimentation Loads at Chalok River, Terengganu</i>	Chairman	Graduated	2012
8	Nurul Hafiza Binti Ab. Razak (GS28834) <i>Statistical Analysis Approach for Flood Forecasting at Segamat River</i>	Chairman	Graduated	2012
9	Nuruljannah Binti Khairuddin (GS30343) <i>Performance of Statistical, Times Series and Artificial Intelligence Approaches for Flood Forecasting: A Comparative Study of Muda River in Kedah, Malaysia</i>	Chairman	Graduated	2013
10	Mohamad Azlan Yusuff Bin Abdul Rahim (GS31956) <i>Uptake of Toxic Heavy Metals by Rice (Oryza Sativa) Farmed in Sungai Besar, Selangor, Malaysia</i>	Chairman	Graduated	2013
11	Valecca Anak Sibuar (GS29403) <i>Assessment of Temporal Variation in Drinking Water Quality by Pattern Recognition Techniques.</i>	Chairman	Graduated	2013
12	Muhammad Fadzli Ali (GS32611) <i>Determination on Factors Contributing Towards CO2 Sequestration Potential of Hevea Brasillensis through Environmetric Technique</i>	Chairman	Graduated	2013
13	Nurul Izati Mohd Fahmi (GS30177) <i>Water Quality Assessment of Muda River, Malaysia Using Different Multivariate Statistical Method</i>	Chairman	Graduated	2013
14	Sharifah Nurshafazillah Binti Rosli (GS30156) <i>Assessment of Spatial Variations in Malacca River Water Quality Using Mulvariate Statistical Analysis</i>	Chairman	Graduated	2013
15	Ahmad Thariq Bin Mohd (GS35713) <i>Analysis of Rainfall Using Farm TRMM Satellite Data for Peninsular Malaysia</i>	Chairman	Graduated	2014

16	Bak Jor Yee (GS35740) <i>Assessment Of Heavy Metal Deposition in Forest Soils With Application of Geoaccumulation Index and Enrichment Factors</i>	Chairman	Graduated	2014
17	Nur Hidayat Bin Hamzah (GS35923) <i>Trend Detection of Heavy Metal in Selangor Marine Water Using Envirometic Techniques</i>	Chairman	Graduated	2014
18	Farah Wardati Ismail (GS42818) <i>Potential Impacts of Haze on Tourism in Putrajaya</i>	Chairman	Graduated	2016
19	Puvanesuri A/P Sandera Sagaren (GS42378) <i>Heavy Metal Concentrations in Blood Cockle (Anadara granosa, Linnaeus) Collected from Mudflats off Jeram, Selangor</i>	Chairman	Graduated	2016
20	Manuracha Pathmanathan (GS44970) <i>Assessment of Awareness and Practice on Medical Waste Management among Residents in Bangi</i>	Chairman	Graduated	2016

#### Bachelor

No.	Name of Students and Title of Thesis/Project	Main Supervisor/ Co-supervisor	Status	Year Graduated
1	Noorain Binti Mohd Isa (136203) <i>Water Quality Characterization of Sungai Kinta</i>	Co-Supervisor	Completed	2009
2	Nor Munirah Binti Abdullah (141833) <i>Hydrochemistry of Estuary Water, Kota Marudu bay, Sabah</i>	Main Supervisor	Completed	2010
3	Siti Nurul Farehah Binti Aziz (141508) <i>Level of Heavy Metals Concentration in Aquaculture Ponds, Kajang</i>	Main Supervisor	Completed	2010
4	Nor Hidayah Binti Md Ali (141443) <i>Trace Elements Concentration in various Lichens Species</i>	Main Supervisor	Completed	2010
5	Nur 'Afifah Syamimi Binti Hasan (141685) <i>Variation of Dissolved Metals in Bottled Mineral Waters: Malaysian Market Eyeshot</i>	Main Supervisor	Completed	2010
6	Mohd Fahmi Bin Mohd Nasir (140704) <i>Water Quality and Its Sustainability: A Study Case of Sungai Sedim, Kedah</i>	Main Supervisor	Completed	2010

7	Mohd Nor Ikram B Abdul Kahar (150514) <i>Distribution of Heavy Metals in Rainwater at Universiti Putra Malaysia (UPM), Serdang</i>	Main Supervisor	Completed	2011
8	Looi Ley Juen (148934) <i>The Uptake of Heavy Metals by Paddy Plant, Oryza sativa in Alor Setar, Kedah, Malaysia</i>	Main Supervisor	Completed	2011
9	Ng Hui Ying (149740) <i>Biosorption of Copper and Cadmium From Aqueous Solution by Using Scylla serrata</i>	Main Supervisor	Completed	2011
10	Hanisah Binti Mohamad Nasir (150371) <i>Comparison Between Bioflocculant Produced by Bacillus sphearicus UPMB10 with Inorganic Commercial Flocculant Polyaluminium Chloride and Organic Flocculant Polyacrylamide</i>	Main Supervisor	Completed	2011
11	Ilyana Binti Che Hassan (142371) <i>Assessment of Selected Nutrients and Microbial Parameters in Sungai Buloh, Selangor</i>	Main Supervisor	Completed	2011
12	Ryan Kam Chuan Yang (148935) <i>Concentration of Ions in Bottled Waters Sold in Selangor, Malaysia</i>	Main Supervisor	Completed	2011
13	Lisa Putriku Diana Binti Ab Kahar (150389) <i>Determination of Cadmium Contamination in Canned Fish and Health Risk Assessment Among Students of Faculty of Medicine and Health Sciences, Universiti Putra Malaysia</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2012
14	Nor Husna Binti Hassan (147471) <i>Cadmium Concentration in Anchovy Sauce (Budu) and Health Risk Assessment Among Residents in Tumpat, Kelantan</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2012
15	Suzila Binta Yaacob (146270) <i>Arsenic Concentration in Anchovy Sauce and Health Risk Assessment Among Residents in Tumpat, Kelantan</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2012
16	Nor Aisyah Binti Abd Razak (148748) <i>Lead (Pb) Concentration in Shrimp Paste and Health Risk Assessment Among Adult Residents in Two Villages in Melaka</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2012
17	Aziemah Binti Zulkifli (147318) <i>Arsenic Concentration in Shrimp Paste and Health Risk Assessment in Two Villages of Melaka</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2012
18	Ku Noor Asma Husna Binti Ku Azizi	Main Supervisor	Completed	2013

	(154426) <i>Mudskipper (Boleophthalmus boddarti)</i> <i>As Bio-Indicator for Heavy Metals</i> <i>Accumulation in Kuala Kedah</i>			
19	Nor Farhana Binti Mokhtar (153479) <i>Eco-Sustainable Approach: Removal of</i> <i>Cadmium and Lead by Using Biomass of</i> <i>Spirulina platensis</i>	Main Supervisor	Completed	2013
20	Syafiqah Binti Razali (153950) <i>Removal of Cu, Co, Pn and Zn From</i> <i>Aqueous Solution by Polymesoda expansa</i>	Main Supervisor	Completed	2013
21	Ngoh Ying Yuan (152143) <i>Removal of Cadmium (II) and Copper (II)</i> <i>Ions From Aqueous Solution Using Papaya</i> <i>Seeds</i>	Main Supervisor	Completed	2013
22	Roslah Binti Awang Tahrin (155406) <i>Determination of Heavy Metal in Coastal</i> <i>Water of Port Dickson</i>	Main Supervisor	Completed	2013
23	Ana Mardhiah Binti Marzuki (153961) <i>Lead Concentration in Freshwater Fish</i> <i>and Health Risk Assessment Among</i> <i>Adults in Two Areas at Kluang, Johor</i>	Co-Supervisor (BS (Environmental and Occupational Health)	Completed	2013
24	Hilaliyah Binti Mohkhtar@Mokhtar (154133) <i>Cadmium Concentration in Freshwater</i> <i>Fish and Health Risk Assessment in Two</i> <i>Areas at Kluang, Johor</i>	Co-Supervisor (BS (Environmental and Occupational Health)	Completed	2013
25	Christopher George (152963) <i>Arsenic Concentration in Freshwater Fish</i> <i>and Health Risk Assessment Among</i> <i>Adults in Two Areas at Kluang, Johor</i>	Co-Supervisor (BS (Environmental and Occupational Health)	Completed	2013
26	Syaidatul Najwa Binti Sailful Hizan (157427) <i>Removal of Copper and Lead From</i> <i>Aqueous Solution by Schizostachyum</i> <i>brachycladum</i>	Main Supervisor	Completed	2014
27	Siti Khairiah Binti Sudin (157529) <i>Removal of Cu(II) and Pb(II) Ions From</i> <i>Aqueous Solutions by Hevea brasiliensis</i>	Main Supervisor	Completed	2014
28	Kaw Choi Ling (157900) <i>The Use of Casava Peels (Manhot</i> <i>Esculenta Crantz) for the Removal of</i> <i>Zinc(II) and Lead(II) Ions From Aqueous</i> <i>Solution</i>	Main Supervisor	Completed	2014
29	Jong Pei Ching (156230) <i>The Comparison of the Removal Efficiency</i>	Main Supervisor	Completed	2014

	<i>of Zinc(II) Ions in Aqueous Solution Using Unmodified and Chemically Modified Pineapple Leaves</i>			
30	Noor Anisa Nabila Binti Noor Azman (157508) <i>Association Between Heavy Metals (Pb, Cr, As and Cd) Concentration in Salted Fish and Health Risk Assessment Among Respondents in Kampong Sungai Baru, Melaka</i>	Co-Supervisor (BS (Environmental and Occupational Health))	Completed	2014
31	Nor Raihana Sukimin (164324) <i>Determination of Heavy Metals (Cr, Ni, Pb, Zn) in Sediment of Langat River, Selangor</i>	Main Supervisor	Completed	2015
32	Nur Syahirah Rahmat (164767) <i>Heavy Metals (Pb, Cr, Zn, Ni) Contamination in Loligo duvauceli Sp. From Penang, Malaysia</i>	Main Supervisor	Completed	2015
33	Wee Sze Yee (167018) <i>Assessment of Organophosphorus Pesticides (OPPs) Contamination in Surface Water of Langat River, Selangor</i>	Main Supervisor	Completed	2016
34	Nurul Amirah Hashid (167025) <i>Determination of Organophosphorus Pesticides Residue in the Surface Water of Tenggi River, Tanjung Karang, Selangor</i>	Main Supervisor	Completed	2016
35	Aqilah Azmi (168080) <i>Removal of Iron From Aqueous Solution Using Commercialized Chicken Eggshell and Hybrid Akar Putra Chicken Eggshell</i>	Main Supervisor	Completed	2016
36	Nur 'Ain Ayunie Ayob (169061) <i>Fractionation of Heavy Metal (Pb and Zn) by Using Sequential Extraction Technique in Sediment of Langat River, Selangor</i>	Main Supervisor	Completed	2016

**(J) Thesis Examination (Master and Doctoral Levels)**

1. **Internal Examiner.** Nur Ilyana Binti Mohd Zuki (2010). *An Expert System for Forest Resources Management in Peninsular Malaysia*. MSc thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 25<sup>th</sup> August 2010)
2. **Chairman.** Najat Ahmed Al-Odaini (2010). *Development and Application of HPLC/MS/MS Method for Determination of Human Pharmaceuticals and Synthetic Hormones in River Waters and Sewage Effluents*. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 29<sup>th</sup> October 2010)
3. **Independent Evaluation Committee.** Ong Ghim Hock (2011). *Assessment of Centella Asiatica as Biomonitor of Heavy Metal Pollution*. MSc conversion to PhD, Universiti Putra Malaysia, Serdang. (Proceeding Date: 25<sup>th</sup> Mac 2011)

4. **Chairman.** Seyed Mahmoud Mehdina Choubi (2011). Removal of Hydrogen Sulfide by Physico-Biological Filtration, Using Dried Activated Sludge and Rice Husk Silica. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 19<sup>th</sup> April 2011)
5. **Internal Examiner.** Masoud Saataz (2011). *Groundwater Resources Assessments in Astaneh-Kouchesfahan Plian, North of Iran*. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 23<sup>rd</sup> November 2011)
6. **External Examiner.** Nur Hayati Binti Hussin (2011). Hydrogeochemical Study and Iron Removal of Groundwater in North Kelantan. MSc thesis, University of Malaya, Kuala Lumpur.
7. **External Examiner.** Nor Liana Bt Ab Razak (SGR080142) (2012). The Relationship Between Geology and Hydrology for Three Main River Catchments in Selangor. MSc thesis, University of Malaya, Kuala Lumpur.
8. **Internal Examiner.** Eugene Ng Yew Jing (2012). Assessment of Trace Metal Pollution in the Straits of Johore by Using Transplanted Caged Mussels *Perna Virdis* (Linnaeus). MSc thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 26 December 2012)
9. **Internal Examiner.** Mohd Fahmi Bin Mohd Nasir (2012). Spatial and Temporal Variation Analysis of Surface Water Quality at Klang River Basin, Malaysia. MSc thesis, Universiti Putra Malaysia, Serdang.
10. **Internal Examiner.** Munirah Binti Abdul Zali (2013). *Water Quality Assessment of Linggi River Basin*. MSc thesis, Universiti Putra Malaysia, Serdang.
11. **Internal Examiner.** Siti Najyan Said (2013). Bioaccessibility and Bioavailability of Heavy Metals in Selected Foodstuff Using Digestive Tract Fluids. MSc thesis, Universiti Putra Malaysia, Serdang.
12. **Internal Examiner.** Ahmad Faizal Bin Alias (2013). Measuring Environmental Awareness of Artisanal Fishers in Manjung District to Facilitate Active Environmental Co Management. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 20 February 2014)
13. **Chairman.** Shadi Fekri Yazdi Mostafa (2014). Sustainability Performance of Steel Industry: The Case of Esfahan Steel Company. MSc thesis, Universiti Putra Malaysia, Serdang.
14. **Chairman.** Amal Najihah Hanim Bt Mohamad Suhimin (2014). The Influence of Environmental Management System Towards Environmental Awareness Among Hotel Staffs. MSc thesis, Universiti Putra Malaysia, Serdang.
15. **External Examiner.** Nur Ili Hamizah Binti Mustaffa (P63074) (2014). Taburan dan Pembahagian Sumber Surfaktan di Sekitar Pantai Selat Melaka. MSc thesis, Universiti Kebangsaan Malaysia, Bangi.
16. **Internal Examiner.** Mehrzad Keshavarzifard (2015). Polycyclic Aromatic Hydrocarbons in the Coastal Environment of Peninsular Malaysia and its Bioavailability to *Paphia Unduluta*. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 20 March 2015)
17. **Chairman.** Rozihawati Binti Zahari (2015). Screening of Antifungal Compounds Isolated From *Catharanthus Roseus L.* (Pink) for Biological Control of Selected Plant Diseases. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 27 July 2015)
18. **Chairman.** Pardis Karimi Alavijeh (2015). Isolation of Bacteria from Contaminated Soil and Their Biodegradation Potential. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 29 September 2015)
19. **Chairman.** Abu Bakar Abdussamad (2015). Isolation and Characterization of Tributyltin-Resistant Bacteria from Contaminated Surface Sediment at Kong Kong Laut, Johore. MSc thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 27 October 2015)
20. **Chairman.** Syed Badruz-Zaman Syed Sagoff (2015). Distribution of Selected Trace Elements in the Surface Soils of Oil Palm Plantation. MSc thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 16 April 2015)
21. **Chairman.** Nur Hafizah Hashim (2015). A Novel Peptide That Mimics Diamine Oxidase. MSc thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 8 October 2015)
22. **Chairman.** Sadeq Abdullah Abdo Al-Kadher (2015). Composition, Distribution and Concentration of Linear Alkylbenzenes (Labs) in Surface Sediments From Selected Locations in Malaysia. PhD thesis, Universiti Putra Malaysia, Serdang. (Viva Voce Date: 15 December 2015)

23. **Chairman.** Mohammad Gholizadeh (2016). Aquaculture Integrated Model for Sustainable Environment AIMS-Model. PhD thesis, Universiti Putra Malaysia, Serdang.
24. **Internal Examiner.** Chew Weiyun (2016). Heavy Metals, Polycyclic Aromatic Hydrocarbons (PAHs), and Genetic Polymorphism in The Invasive Weed *Asystasia Gangetica*. PhD thesis, Universiti Putra Malaysia, Serdang.
25. **External Examiner.** Nasser Salem Mohamed Alrawiq (2016). Distribution and Accumulation of Selected Heavy Metals and Pesticides Soil, Water and Paddy Plants of the Rice Growing Area In Kedah, Malaysia. PhD thesis, Universiti Kebangsaan Malaysia, Bangi.
26. **External Examiner.** Ismail Ahmad (2016). Hydrogeology of the Oratunga Area, Central Flinders Ranges, South Australia. PhD thesis, University of South Australia, Adelaide.
27. **External Examiner.** Chai Hui Ping (2016). Assessment of Heavy Metals in Water, Sediment and Fishes of the Baleh River, Sarawak, Malaysia. MSc thesis, Universiti Malaysia Sarawak.

**(K) Scientific Research (Research Grant)**

No	Role / Name of Project / Amount / Duration / Funding Body /Level	Status
1	<b>Principal Investigator</b> / Identification of Trace-Level Active Pharmaceutical Ingredients (APIs) in Drinking Water System of Greater Kuala Lumpur and Klang Valley, Malaysia / RM 280 000 / November 2016 – December 2019 / Transdisciplinary Research Grant Scheme, Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	25%
2	<b>Principal Investigator</b> / Developing Holistic Approach for Policy and Risk Management of Pharmaceutical Pollutants in Drinking Water / RM 700 000 / November 2016 – December 2019 / Transdisciplinary Research Grant Scheme, Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	10%
3	<b>Principal Investigator</b> / Water Availability and Food Security Challenges Under Climate Change / USD 5 000 / April 2016 – March 2017 / Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) / <b>International</b>	Completed
4	<b>Principal Investigator</b> / Pathway and Risk Assessment of Endocrine Disrupting Compounds (EDCs) in Riverine Ecosystems of Langat and Klang River Basins, Malaysia / KRW 20 000 000 / January 2016 – December 2016 / UNU & GIST Joint Programme on Science & Technology for Sustainability / <b>International</b>	20%
5	<b>Principal Investigator</b> / Environmental Forensics Investigation on the detection of Endocrine Disrupting Compounds in Riverine Waters of Langat River Basin, Malaysia / Y 300 000 / October 2016 – September 2017 / KURITA Water and Environment Foundation, Japan / <b>International</b>	10%
6	<b>Principal Investigator</b> / Adsorption of 17 $\alpha$ -Ethinylestradiol (EE2) as Endocrine Disrupting Compounds (EDCs) from Aqueous Solution TiO <sub>2</sub> Photocatalysts Incorporated with Dead Calcareous Skeleton / RM 20 000 / November 2016 – December 2018 / Geran Putra-Inisiatif Putra Siswazah, Universiti Putra Malaysia / <b>National</b>	New Grant
7	<b>Researcher</b> / Development of Low Cost Drinking Water Filter For Point-Of-Use Household Purification / RM 110 000 / November 2016 – October 2019 / Prototype Research Grant Scheme, Ministry of Education (MOE), Malaysia / <b>National</b>	New Grant
8	<b>Researcher</b> / Human Health Risk Assessments of Toxic Heavy Metals in the Selected Vegetables Grown from Wastewater Irrigated Farming Areas, and their	New Grant

	Ecological Risk Assessment on their Habitat Topsoils / RM 84 000 / August 2016 – August 2019 / Fundamental Research Grant Scheme, Ministry of Education (MOE), Malaysia / <b>National</b>	
9	<b>Researcher</b> / Evaluation of Silver Nanoparticles Coated on Banana Waste Activated Carbon as Low Cost Adsorbent for Greywater Treatment / RM 90 000 / August 2016 – August 2019 / Fundamental Research Grant Scheme, Ministry of Education (MOE), Malaysia / <b>National</b>	New Grant
10	<b>Principal Investigator</b> / Removal of Endocrine Disrupting Compounds (EDCs) from Aqueous Solution using Marine Carbonate Residues to be Applied in Water Supply Treatment Facilities / RM 80 200 / November 2015 – December 2017 / Fundamental Research Grant, Ministry of Education (MOE), Malaysia / <b>National</b>	25%
11	<b>Principal Investigator</b> / Risk assessment for selected organic contaminants in Malaysian Riverine and Estuarine Ecosystems / RM 20 000 / November 2015 – October 2017 / Geran Putra-Inisiatif Putra Siswazah, Universiti Putra Malaysia / <b>National</b>	40%
12	<b>Principal Investigator</b> / Monitoring and Risk Assessment of Emerging Contaminants in Riverine Ecosystem of Greater Kuala Lumpur and Klang Valley, Malaysia / KRW 20 000 000 / Januray 2015 – December 2015 / UNU & GIST Joint Programme on Science & Technology for Sustainability / <b>International</b>	Completed
13	<b>Researcher</b> / Spawning Ground Detection and Ecological Modelling of <i>Tenualosa Toli</i> for Enhancement of Its Reproductive Capacity / RM 173 000 / Januray 2016 – December 2018 / Trans Diciplinary Research Grant, Ministry of Education (MOE), Malaysia / <b>National</b>	30%
14	<b>Researcher</b> / Enhancing Agricultural Wastes Compost Quality Using Indigenous Soil Dwelling Beetles Through Co-Composting Technique / RM 117 000 / November 2015 – October 2018 / Fundamental Research Grant Scheme, Ministry of Education (MOE), Malaysia / <b>National</b>	20%
15	<b>Researcher</b> / Remedial Strategies and Carbon Capture Potential of Mining Waste: Passive Sequestration of Atmospheric Carbon From Bauxite Residue (Red Mud) Deposits / RM 105 000 / November 2015 – November 2017 / Fundamental Research Grant, Ministry of Education (MOE), Malaysia / <b>National</b>	25%
16	<b>Researcher</b> / Pollution and Potential Risk Assessment of Agrochemicals pollutants on Environment / RM 77 200 / November 2015 – November 2017 / Fundamental Research Grant, Ministry of Education (MOE), Malaysia / <b>National</b>	60%
17	<b>Researcher</b> / Environmental And Health Risks of Heavy Metal From Cement Dust Exposure in School Environment And Children (Rawang, Selangor) / RM 90 000 / July 2015 – December 2017 / ScienceFund, Ministry of Science, Technology and Innovation (MOSTI), Malaysia / <b>National</b>	65%
18	<b>Principal Investigator</b> / Development Of Chemical Pollutants Database and Indices of Riverine Ecosystems / RM 100 000 / December 2013 – April 2016 / Geran Putra-Inisiatif Putra Berkumpulan (GP-IPB/2013/9413502), Universiti Putra Malaysia / <b>National</b>	Completed
19	<b>Researcher</b> / Prototype Development of Low-Cost Water Filtration Unit for Small-Scale Use in Emergency Situation / RM 110 500/ April 2015 – January 2016 / Prototype Research Grant Scheme-Special Fund for Flood / Ministry of Education, Malaysia / <b>National</b>	Completed



20	<b>Researcher</b> / Integrated Forensic Investigations of Marine Pollution Impacts in Ecologically Sensitive Areas / RM 860 800 / January 2013 - December 2015 / Fundamental Research Grant Scheme (FRGS) for Matching Fun (KPT.P.(S)400-7/2/29-4(65)), Ministry of Education Malaysia – JSPS Asian Core / <b>National-International</b>	Completed
21	<b>Researcher</b> / Quantification of Heavy Metals in Chinese Herbal Medicines (CHMs) used during Pregnancy and Postpartum: Assessment of Associated Health Risk / RM 70 000 / October 2014 – October 2016 / Fundamental Research Grant, Ministry of Education (MOE), Malaysia / <b>National</b>	95%
22	<b>Principal Investigator</b> / Estrogenic Pollution Index for Estuary Ecosystem Health Using Environmental Forensics Approaches / RM 80 000 / June 2013 – June 2016 / Exploratory Research Grant (ERGS/1/2013/STWN01/UPM/02/2), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
23	<b>Researcher</b> / Pengoptimuman Pembiakan dan Pengeluaran Benih Kerang Tempatan; <i>Anadara ovalis</i> di Kong Kong Laut, Johor (KTP – Community) / RM 110 000 / June 2014 – June 2016 / Knowledge Transfer Programme, Ministry of Education (MOE), Malaysia / <b>National</b>	Completed
24	<b>Principal Investigator</b> / Diesel Fuel Fingerprinting and Source Identification of the Spillage in Peninsular Malaysia / RM 152 000 / December 2012 – December 2015 / Research University Grants Scheme (03-02-12-1744RU), Universiti Putra Malaysia / <b>National</b>	Completed
25	<b>Principal Investigator</b> / Integrated Forensic Investigation of marine Pollution Impacts in Ecologically Sensitive Area – Sub Group / RM 150 000 / December 2013 – December 2015 / Fundamental Research Grant Scheme (FRGS) for Matching Fun (KPT.P.(S)400-7/2/29-4(65)), Ministry of Education Malaysia – JSPS Asian Core / <b>National-International</b>	Completed
26	<b>Principal Investigator</b> / Development of Stabilizing Agent for Heavy Metals Removal in Water Treatment Application Using Modified and Unmodified Calcareous Skeletons / RM 15 000 / September 2012 – December 2014 / Research University Grants Scheme (03-01-11-1142RU), Universiti Putra Malaysia / <b>National</b>	Completed
27	<b>Principal Investigator</b> / Development of Cost Effective and Commercialization Water Treatment Technique by Using Calcareous Skeleton Stabilizing Agent: Potential Application in Attenuation of Toxic Metals / RM 66 000 / July 2012 – December 2014 / ScienceFund (06-01-04-SF1395), Ministry of Science, Technology and Innovation (MOSTI), Malaysia / <b>National</b>	Completed
28	<b>Researcher</b> / Characterization of Emerging Disinfection Byproducts (DBPs) in Water Formed by Halogenation of an Endocrine Disruptor Chemical (EDC) / RM 93 000 / May 2013 – May 2015 / Fundamental Research Grant (07-01-13-1179FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
29	<b>Researcher</b> / Potential of Silver Nanoparticles Coated Absorbent Blotting Paper as an Antibacterial Water Filter / RM 80 000 / May 2013 – May 2015 / Fundamental Research Grant (07-01-13-1199FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
30	<b>Researcher</b> / Relationship Between Heavy Metals (As, Cd and Pb) Concentration and Genetic Polymorphism of GSTM1, GSP1 and GSTT1 in Blood Sample Among Respondents in Malacca (FRGS)/ RM 40 000 / May 2013 – May 2015 /	Completed

	Fundamental Research Grant, Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	
31	<b>Researcher</b> / The Use of Reducing and Alkalinity-Producing System (RAPS) for Passive Treatment of Acidic and Metal Containing Mine Waters / RM 90 000 / May 2013 – May 2015 / Fundamental Research Grant (07-01-13-1180FR), Ministry of Education (MOE), Malaysia / <b>National</b>	Completed
32	<b>Researcher</b> / Development of Cost-Effective, Passive In-Situ Remediation of Metal Mine-Impacted Waters (UNESCO TWAS-COMSTECH) / USD 7 000 (~RM 25 000) / October 2013 - October 2014 / TWAS-COMSTECH-UNESCO / <b>International</b>	Completed
33	<b>Consultant</b> / Forest Strategic Management Plan for Forest Water Catchment Reservation at Selangor State / RM 150 000 / Jun 2012 – October 2012 / Forestry Department, Selangor / <b>National</b>	Completed
34	<b>Principal Investigator</b> / Development of Mercury Pollution Index and Speciation Databases in Coastal Area by Integration of Monitoring, Analytical and Modeling Approaches / RM 110 000 / August 2011 – August 2014 / Fundamental Research Grant (07-11-09-696FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
35	<b>Principal Investigator</b> / A study on Heavy Metals Distribution in Mangrove Water, Sediment and Mollusk of Kota Marudu, Sabah, Malaysia / USD 10 000 (~RM 34 000 / Mei 2010 – November 2011 / TWAS-COMSTECH-UNESCO (09-099 RG/EAS/AS_C – UNESCO FR: 3240231216) / <b>International</b>	Completed
36	<b>Researcher</b> / Coral Reefs as Potential Records of Environmental Pollution / USD 11 000 (~RM 33 000) / October 2012 - October 2014 / TWAS-COMSTECH-UNESCO (11-131RG/EAS/AS_C - UNESCO FR: 3240262657) / <b>International</b>	Completed
37	<b>Researcher</b> / Potential Health Risk Assessment (Cancer And Non-Cancer Risks) of Urban Soils Using Heavy Metal Concentrations in Klang District, Malaysia: Applicability of An In Vitro Digestion Model / RM 29 400 / September 2012 - September 2014 / Research University Grants Scheme (04-02-12-1781RU), Universiti Putra Malaysia / <b>National</b>	Completed
38	<b>Principal Investigator</b> / Application of Hydrochemical Speciation Modelling to Study and Profiling Toxic Elements Behavior in Polluted Rivers Water / RM 15 000 / Mei 2011 – April 2012 / Research University Grants Scheme (03-01-11-1142RU), Universiti Putra Malaysia / <b>National</b>	Completed
39	<b>Principal Investigator</b> / Simulation of the Evolution of Hydrochemistry in the Small Tropical Island Aquifer / RM 50 000 / December 2009 – November 2011 / Fundamental Research Grant (07-11-09-696FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
40	<b>Principal Investigator</b> / Assessing the Concentration and Toxicity of Dissolved Metals of Mangrove Water and Surface Sediment, Kota Marudu, Sabah / RM 30 000 / February 2010 – February 2012 / Research University Grants Scheme (03-01-10-0890RU), Universiti Putra Malaysia / <b>National</b>	Completed
41	<b>Principal Investigator</b> / Development of Novel Treatment Techniques for Suspended Solids Pollution by Using Biofloculant Produced by Bacteria: Potential Application in a Sediment Traps / RM 41 600 / April 2010 – April 2012 / Fundamental Research Grant (02-04-10-832FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed

42	<b>Researcher</b> / Development of a Standard Operating Procedure (SOP) for Wastewater Treatment in UPM / RM 50 000 / Mei 2011 – Mei 2013 / Research University Grants Scheme (03-01-10-0890RU), Universiti Putra Malaysia / <b>National</b>	Completed
43	<b>Researcher</b> / Development of Decision Support System (DSS) in Ecological Evaluation (Environmental Impact Assessment – EIA) for Dam / RM 152 800 / August 2011 – October 2013 / Exploratory Research Grant (02-10-10-935FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
44	<b>Researcher</b> / Assessment of Aquifer Vulnerability in Small Islands in Terengganu, Malaysia Using Geographic Information System / RM 40 000 / October 2010 – October 2012 / Fundamental Research Grant (02-10-10-935FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
45	<b>Researcher</b> / Impact of Nitrogen Emission and Deposition to Forest Ecosystems in the Surrounding Hills, Kuala Lumpur / RM 15 000 / Mei 2011 – Mei 2013 / Research University Grants Scheme (03-01-10-0890RU), Universiti Putra Malaysia / <b>National</b>	
46	<b>Researcher</b> / Identification and Source Apportionment for River Water Pollution Based on Quality Engineering and Artificial Neural Network Methods / RM 48 000 / April 2010 – April 2012 / Fundamental Research Grant (03-04-10-830FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
47	<b>Researcher</b> / Decision Support System for Waste Diversion from Landfill / RM 40 000 / September 2010 – August 2012 / Fundamental Research Grant (02-10-10-937FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
48	<b>Researcher</b> / Emerging Pollutants of Concern: Method Development for Simultaneous Quantification of Pharmaceuticals and Personal Care Products (PPCPs) in Surface Water and its Fate During Sewage Treatment / RM 40 000 / October 2010 – October 2012 / Fundamental Research Grant (03-04-10-830FR), Ministry of Higher Education (MOHE), Malaysia / <b>National</b>	Completed
49	<b>Researcher</b> / Integrated River Basin and Coastal Ecosystem Management In Kota Marudu, Sabah / RM 280 000 / November 2008 – December 2010 / Ministry of Science, Technology and Innovation (MOSTI), Malaysia / <b>National</b>	Completed
50	<b>Researcher</b> / Subsurface Water Resources In Sandy Aquifer of Manukan and Tiga Islands, Sabah, Malaysia. / RM 14, 700/ March 2007 – April 2008 / Ministry of Higher Education (MOHE), Fundamental Research Grant (FRG0050-ST-1/2006) Malaysia/ <b>National</b>	Completed
51	<b>Researcher</b> / Investigating Subsurface Hydrochemistry of an Oceanic Island in Malaysia: A case Study on Sipadan Island, North-east Borneo / ¥ 300, 000 / October 2007 – September 2008 / Kurita Water and Engineering Foundation Research Grant (KWEF), Japan / <b>International</b>	Completed
52	<b>Researcher</b> / Maliau Basin Scientific Expedition / June 14 – June 24, 2006 / Academy of Sciences Malaysia / <b>National</b>	Completed

**(L) Conculancy**

No	Role / Name of Project / Year / Funding Body / Level	Status
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1	<b>Lead Consultant</b> / Sampling and Monitoring of River Water Quality Course / 2016 / Institut Alam Sekitar Malaysia (EiMAS), Ministry of Natural Resources and Environment, Malaysia / <b>National</b>	Completed
2	<b>Lead Consultant</b> / Kursus Persampelan Air / 2015 / Pejabat Pengurusan dan Kesihatan Pekerjaan, Universiti Putra Malaysia / <b>National</b>	Completed
3	<b>Consultant</b> / Climate Change Impacts on Lake Water Resources / 2015 / National Hydraulic Research Institute of Malaysia (NAHRIM), Ministry of Natural Resources and Environment, Malaysia / <b>National</b>	Completed
4	<b>Lead Consultant</b> / Writing Workshop for International Journal / 2015 / University of Mataram, Lombok, Indonesia / <b>International</b>	Completed
5	<b>Lead Consultant</b> / MTCP Diplomatic Training Course (Environment Module) / 2015 / Institute of Diplomacy and Foreign Relations (IDFR), Ministry of Foreign Affairs / <b>National</b>	Completed
6	<b>Lead Consultant</b> / Groundwater Flow Transport Workshop / 2015 / Department of Environment and Institut Alam Sekitar Malaysia (EiMAS), Ministry of Natural Resources and Environment / <b>National</b>	Completed
7	<b>Lead Consultant</b> / Interpretasi Data Kualiti Air / 2015 / Department of Chemistry Malaysia, Ministry of Science, Technology and Innovation / <b>National</b>	Completed
8	<b>Lead Consultant</b> / Journal Writing Workshop / 2014 / National Hydraulic Research Institute of Malaysia (NAHRIM), Ministry of Natural Resources and Environment / <b>National</b>	Completed
9	<b>Lead Consultant</b> / MTCP Diplomatic Training Course for Senior Officials from the Government of Timor-Leste / 2014 / Institute of Diplomacy and Foreign Relations (IDFR), Ministry of Foreign Affairs / <b>National</b>	Completed
10	<b>Lead Consultant</b> / Interpretasi Data Kualiti Air Tanah / 2014 / Department of Environment, Ministry of Environment and Natural Resources / <b>National</b>	Completed
11	<b>Lead Consultant</b> / Penyediaan Deraf SOP Pengawasan Air Tanah / 2013 / Department of Environment, Ministry of Environment and Natural Resources / <b>National</b>	Completed
12	<b>Lead Consultant</b> / Mini Lab Penyemakan Parameter Air Tanah / 2013 / Department of Environment, Ministry of Environment and Natural Resources / <b>National</b>	Completed
13	<b>Consultant</b> / Bayer Young Environmental Envoy Eco-Camp 2013 / 2013 / Bayer Co. Malaysia / <b>National</b>	Completed
14	<b>Lead Consultant</b> / Research and Journal Writing Workshop / 2013 / Institute of Leadership and Quality Management, Universiti Teknologi MARA (UiTM) / <b>National</b>	Completed
15	<b>Lead Consultant</b> / Kursus Pemodelan Hidrogeokimia Menggunakan Perisian PHREEQC / 2013 / National Hydraulic Research Institute of Malaysia (NAHRIM), Ministry of Natural Resources and Environment / <b>National</b>	Completed
16	<b>Consultant</b> / Forest Strategic Management Plan for Forest Water Catchment Reservation at Selangor State / 2012 / Forestry Department, Selangor / <b>National</b>	Completed
17	<b>Consultant</b> / Bayer Young Environmental Envoy Eco-Camp 2012 / 2012 / Bayer Co. Malaysia / <b>National</b>	Completed
18	<b>Consultant</b> / Bayer Young Environmental Envoy Eco-Camp 2009 / 2009 / Bayer Co. Malaysia / <b>National</b>	Completed

19	<b>Consultant</b> / Integrated Management plan for Tun Mustapha Marine Parks / 2009 / The State Government of Sabah / <b>National</b>	Completed
20	<b>Consultant</b> / Integrated Management plan for Tun Mustapha Marine Parks / 2008 / Prime Minister Department / <b>National</b>	Completed

**(M) Professional Services**

- **Invited Speaker and Panel** on “Scientific Proposal Writing” at IUKL Research Retreat 2016 organized by Research Management Center, Infrastructure University Kuala Lumpur, Kajang. 22 December 2016.
- **Invited Speaker and Facilitator** on “Stand Out in a Crowd: Impact” at Unshackling Young Academics II organized Pejabat Pendaftar, Universiti Putra Malaysia, Serdang. 31<sup>st</sup> October – 1<sup>st</sup> November 2016
- **Invited Speaker** on “Detecting and Predicting the Hydrochemical Trends” at 3<sup>RD</sup> Joint Seminar on Statistics in Hydraulics (JoSSH III 2016), organized by Institute for Mathematical Research, Universiti Putra Malaysia, Serdang. 5 October 2016.
- **Invited Speaker** on “Conducting Research” at Nobel Laureate’s Outreach Camp 2016, organized by Majlis Amanah Rakyat and Universiti Putra Malaysia, Serdang, 9-12 August 2016
- **Invited Speaker** on “The Art of Writing” at Putra Sarjana 2016 Programme organized by School of Graduate Studies, Universiti Putra Malaysia, Serdang. 11 August 2016.
- **Invited Speaker** on “Stand Out in a Crowd” at Unshackling Young Academics organized Pejabat Pendaftar, Universiti Putra Malaysia, Serdang. 11-13 April 2016
- **Invited Speaker** on “River Pollutants and Impacts” at Sampling and Monitoring of River Water Quality Course organized by Institut Alam Sekitar Malaysia (EIMAS), Bangi. 14 – 18 Mac 2016.
- **Invited Speaker** on “Do’s and Don’ts in Writing High Impact Manuscript” at Putra Sarjana 2016 Programme organized by School of Graduate Studies, Universiti Putra Malaysia, Serdang. 22 January 2016.
- **Keynote Speaker** on “Profiling the Ecosystem Health Through Environmental Forensics Approach” at International Conference on Social Science - “Constructing Coherence and Sustainable Social Development, Mataram, Lombok, Indonesia, 24-25 November 2015.
- **Invited Speaker and Facilitator** on “Water Sampling and Analysis and Water Quality Data Interpretation” for Office of Occupational, Safety and Health Universiti Putra Malaysia, UPM Serdang. 20-22 October 2015
- **Invited Speaker and Facilitator** “Writing Workshop for International Journal” for University of Mataram, Lombok, Indonesia, 25-26 November 2015
- **Invited Speaker** “Water, Food and Energy Crisis” for Diploma in Diplomacy, Institute of Diplomacy and Foreign Relations, Ministry of Foreign Affairs, Wisma Putra, 1 July 2015.
- **Invited Speaker** “Groundwater Flow Transport” for Department of Environment and Institut Alam Sekitar Malaysia (EIMAS), Ministry of Natural Resources and Environment. 17 June 2015
- **Invited Speaker and Facilitator** on “Environmental Forensics Workshop” for Department of Chemistry Malaysia, Ministry of Science, Technology and Innovation, Petaling Jaya, Malaysia. 11 – 15 May 2015
- **Invited Speaker** on “Empowering Young Researchers – How Can We Help You to Help Us 2015” for Universiti Putra Malaysia, UPM Serdang. 13 April 2015
- **Invited Speaker and Facilitator** on “Journal’s Writing Workshop” for Universiti Putra Malaysia Kampus Bintulu, Malaysia. 26-28 March 2015.
- **Invited Speaker** on “The Art of Writing” for Department of Biology, Faculty of Science, Universiti Putra Malaysia, UPM Serdang, Malaysia. 26 February 2015.
- **Invited Speaker** on “Publish and Flourish” for Kursus Penyelidikan dan Khidmat Profesional Siri 1/2015 Untuk Kumpulan Pengurusan dan Profesional (Akademik), Universiti Putra Malaysia, UPM Serdang, Malaysia. 19 January 2015

- **Invited Speaker and Facilitator** on “Journal Writing Workshop” for National Hydraulic Research Institute of Malaysia, Seri Kembangan, Malaysia. 17 – 19 December 2014.
- **Invited Speaker and Panel of Discussion** on “Environmental Policies in Malaysia – Environmental Forensics Approach” MTCP Diplomatic Training Course for Senior Officials from the Government of Timor-Leste, by Institute of Diplomacy and Foreign Relations (IDFR), Ministry of Foreign Affairs, Kuala Lumpur, Malaysia, 15 December 2014.
- **Keynote Speaker** on “Ecosystems Health Status Through Metal Analysis and Profiling” at 3<sup>rd</sup> International Conference on Applied Life Sciences (ICALS2014) Bangi, Malaysia, 18 – 20 September 2014.
- **Invited Speaker** on “Groundwater Quality Data: QA/QC and Interpretation” at Kolokium berkaitan Interpretasi Data Kualiti Air Tanah, Department of Environment Malaysia, Putrajaya, 22 July 2014.
- **Invited Speaker** on “Heavy Metals and Ammonia in Freshwater River” at Seminar Makluman Status Semasa Sumber Air Alternatif Negeri Selangor, Shah Alam. 18 June 2014.
- **Plenary Speaker** on “Natural and Anthropogenic Determinants Factors on Freshwater Ecosystem Deterioration: A Case Study of Langat River Basin, Malaysia” at The 13<sup>th</sup> Malaysian Applied Biology Symposium, Cherating, Pahang. 8 - 10 June 2014.
- **Invited Speaker** on “Writing Workshop” at Putra Sarjana 2014 Programme organized by School of Graduate Studies, Universiti Putra Malaysia, Serdang. 21 May 2014.
- **Invited Speaker** on “Writing Workshop” organized by Pusat Penyelidikan Teknologi Enzim dan Mikrob, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia, Serdang. 12-13 March 2014.
- **Invited Speaker and Facilitator** on “Bengkel Penyediaan Deraf SOP Pengawasan Air Tanah” for Department of Environment, Ministry of Environment and Natural Resources, Putrajaya. 8 – 11 December 2013.
- **Facilitator** on “Mini Lab Penyemakan Parameter Air Tanah” for Department of Environment, Ministry of Environment and Natural Resources, Putrajaya. 3 December 2013
- **Invited Speaker** on “Publishing in academia: From scratch to acceptance” at Putra Satria 2013 organized by Faculty of Environmental Studies, Universiti Putra Malaysia, Serdang. 17 Oktober 2013.
- **Invited Speaker** on “What is wrong with my submission?” at Publication in a Scientific Journal Seminar – Putra Sarjana 2013 Programme organized by School of Graduate Studies, Universiti Putra Malaysia, Serdang. 11 Oktober 2013.
- **Invited Speaker** on “What is the problem with my submission?” at 2013 Springer SEA eBooks Seminar organized by Perpustakaan Abdul Samad, UPM and Springer South East Asia, Universiti Putra Malaysia, Serdang. 18 September 2013.
- **Invited Speaker** on “Let’s talk about water” at Bayer Young Environmental Envoy Eco-Camp, organized by Bayer Malaysia, Bentong, Pahang, 1-4 July 2013.
- **Invited Speaker** on “From Submission to Acceptance” at Research and Journal Writing Workshop organized by Institute of Leadership and Quality Management, Universiti Teknologi MARA (UiTM), Pahang. 22 May 2013.
- **Invited Speaker and Facilitator** on “Hydrogeochemical Modelling Workshop using PHREEQC” organized by National Hydraulic Research Institute of Malaysia (NAHRIM), Seri Kembangan, Malaysia. 11 and 12 Mac 2013.
- **Invited Speaker** on “Currency in Academia: Publishing in Academic Journals” at Academic Writing Workshop, organized by Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Bangi, Malaysia. 18 February 2013.
- **Invited Speaker** on “Penetrating Editors’ “Wall” : Publishing in Academic Journals” at Springer Talk: Publishing in Academic Journals, organized by Springer Verlag and Universiti Teknologi MARA (UiTM), Shah Alam, Malaysia. 22 January 2013.
- **Invited Speaker** on “Editor’s Secret: Publishing in Academic Journals” at Springer Talk: Publishing in Academic Journals, organized by Springer Verlag and PETRONAS Research Sdn Bhd, Bangi, Malaysia. 8 November 2012.

- **Facilitator** on "Postgraduate Writing Workshop" organized by Faculty of Environmental Studies, UPM. 26 June 2012.
- **Invited Keynote Speaker** on "Climate Change: Are Small Islands "Drowning?" at The 2<sup>nd</sup> WEPA International Conference, organized by Institute of Global Environmental Strategies, Japan Ministry of Environment, Tokyo, Japan. 23-24 February 2011.
- **Facilitator**, Workshop on "Preparation of COPPA Document for Master of Environment, UPM". 27-29 June 2011.
- **Panel of Evaluator** on "Green Technology – Politeknik Sultan Idris Shah Enviro 2010". Organized by Politeknik Sultan Idris Shah, 18-19 October 2010.
- **Invited Speaker** on "Grooming of Environmental Sectors Leadership in Malaysia: The Way Forward" by FOLENS and Tokyo University of Agriculture and Technology, Japan. 5 March 2010.
- **Invited Speaker** on "Water Quality Monitoring Programme" on Bayer Young Environmental Envoys-Malaysia 2009, organized by Bayer Malaysia and Universiti Putra Malaysia, 20-24 June 2009.
- **Invited Speaker** on "Penyediaan Sampel bagi AAS dan ICP-MS" on Kursus Asas Penyediaan Sampel Untuk Alatan Khas Siri I/2009, organized by Unit Latihan, Jabatan Sains Alam Sekitar, Universiti Putra Malaysia, 12-14 Mei 2009.
- **Invited Speaker** on "Compositional Change of Groundwater Chemistry in the Shallow Aquifer of Small Tropical Island Due to Seawater Intrusion" at the 20th Salt Water Intrusion Meeting organized by University of Florida and United States Geological Survey, Napples, Florida. 23-27 June 2008.
- **Invited Speaker** on "Antara Akademik dan Ko-Kurikulum; Yang Mana Dahulu?" on Bengkel Pemantapan Sekretariat Jawatankuasa Kebajikan Mahasiswa (JAKMAS), organized by Kolej Kediaman CD and Jabatan Hal Ehwal Pelajar, Universiti Malaysia Sabah, 22 February 2008.
- **Invited Speaker** on "Menjadi Pelajar Minda Kelas Pertama" on Program Intensif Kecemerlangan Pelajar, organized by Sekolah Sains Dan Teknologi and Jabatan Hal Ehwal Pelajar, Universiti Malaysia Sabah, 20 April 2007.
- **Speaker** on "Perancangan dan Perjalanan Mesyuarat Berkesan" on Bengkel Hala Tuju Jawatankuasa Kebajikan Mahasiswa (JAKMAS), organized by Kolej Kediaman CD and Jabatan Hal Ehwal Pelajar, Universiti Malaysia Sabah, 24 Disember 2006.
- **Fellow**, Kolej Kediaman CD, Universiti Malaysia Sabah, 2005-2008.

#### **(N) Editorial Work and Referee for Scientific Manuscripts submitted to Journals/Book**

##### **Editorial Work (some)**

- Environmental Geochemistry and Health (ISI Thomson) in 2015-present
- Frontier in Environmental Green Chemistry (ISI Thomson) in 2013-present
- Frontiers in Toxicology (SCOPUS) in 2013-present
- Global Journal of Environmental Research in 2011-present
- EnvironmentAsia Journal (SCOPUS) in 2009-2010
- World Applied Sciences Journal (ISI Thompson) in 2010-2011
- Journal of Environmental Sciences (Thomson ISI) in 2011-present
- Journal of Environmental Science and Technology (SCOPUS) in 2011-present
- Asian Journal of Earth Sciences (SCOPUS) in 2011-present
- Clean (ISI Thomson) in 2012-present
- Science of the Total Environment (ISI Thomson) in 2013-present

##### **Book Evaluator**

- Mussles Watch in Malaysia: Past, Present and Future, by YAP, C.K. Universiti Putra Malaysia Press, 2012

#### **(O) Patent/Industrial Design**

1. Filter Paper (PI2015704571), Patent Registration Office, Malaysia
2. Water Filter (16-00682-0101)

**(P) Publications**

Researcher	Particular
Name : Ahmad Zaharin Aris	Other formats : Aris, Ahmad Zaharin
Researcher ID ( <a href="http://www.researcherid.com/rid/E-2813-2010">http://www.researcherid.com/rid/E-2813-2010</a> )	E-2813-2010
Scopus	22133247800
ORCID ( <a href="http://orcid.org/0000-0002-4827-0750">http://orcid.org/0000-0002-4827-0750</a> )	0000-0002-4827-0750
<i>h</i> Index SCOPUS (Citations)	17 (1091)
<i>h</i> Index Thomson/WOS (Citations)	15 (729)
<i>h</i> Index Google Citations (Citations)	23 (2043)
Book	3
Chapters in Book	36
Science Citation Index (SCI) Journal	150
No of Q1 and Q2 Journals	58
Non Science Citation (SCI) Index Journal	23
Other Academic Writings	81

\*as of 7th of May 2017

**Books/ Chapters in Book**

1. Poorani Khrisnan, Narayanan Kannan, Ahmad Zaharin Aris, Arulselvan Palanisamy and Sharida Fakurazi, (2016). *Possible application of bio-analytical assays in the biological impact assessment of persistent organic pollutants (POPs) in mangrove sediments in South East Asia with particular reference to Malaysia*. In: Persistent Organic Chemicals in the Environment: Status and Trends in the Pacific Basin Countries, ACS, USA. – In Press.
2. Ahmad Zaharin Aris and Ley Juen Looi (2015). *Estuaries Ecosystems Health Status – Profiling the Advancements in Metal Analysis*. In: Finkl, Charles W., Makowski, Christopher (Eds.). Environmental Management and Governance. Springer International Publishing, Switzerland. pp 429-453. (ISBN 978-3-319-06305-8). DOI 10.1007/978-3-319-06305-8\_16
3. Ahmad Zaharin Aris, Lim Wan Ying and Ley Juen Looi (2015). *Natural and Anthropogenic Determinants of Freshwater Ecosystem Deterioration: An Environmental Forensic Study of the Langat River Basin, Malaysia*. In: Ramkumar, Muthuvairavasamy, Kumaraswamy, K, Mohanraj, R. (Eds). Environmental Management of River Basin Ecosystems. Springer International Publishing, Switzerland. pp 455-476 (ISBN 978-3-319-13424-6) DOI 10.1007/978-3-319-13425-3\_21
4. Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (2014). *From Sources to Solution*. Springer-verlag, Germany. pp 611 (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2
5. Mohd Harun Abdullah, Ahmad Zaharin Aris dan Mazlin Bin Mokhtar (2014). Pengurusan dan Penyelidikan Air Bawah Tanah di Malaysia: Dulu, Sekarang dan Masa Hadapan. In: Chamhuri Siwar, Rospidah Ghazali, Sharina Abdul Halim (Eds). Pembangunan Lestari Di Malaysia: Harapan dan Kenyataan. Dewan Bahasa dan Pustaka, Kuala Lumpur. pp 58-81 (ISBN: 978-9-834-61998-5)
6. Nurulain Mustafa Udin and Ahmad Zaharin Aris (2014). *Hydrochemical Analysis and Evaluation of Groundwater Quality for Different Purposes in North Kelantan*. In: Wan Lutfi Wan Johari, Faradiella Mohd Kusin, Zulfa Hanan Ashaari and Khairul Nizam Mohamed (Eds.). *Water Quality and Waste Management*. Vol. 1. Penerbit Universiti Putra Malaysia, Serdang. pp 3-22. (ISBN 978-967-344-324-6)



7. Sarva Mangala Praveena, Nurul Syazwani Yuswir, Ahmad Zaharin Aris and Zailina Hashim (2014). *Potential Health Risk Assessment of Urban Soil on Heavy Metal Content in Seri Kembangan*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 77-81. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_15
8. Sarva Mangala Praveena, Sarah Abdul Mutalib, Nurul Hafiza Razak, Emilia Zainal Abidin and Ahmad Zaharin Aris (2014). *Health Risk Assessment of Heavy Metal Exposure to Classroom Dust in Primary School, Serdang (Malaysia)*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 83-87. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_17
9. Fatemeh Abootalebi Jahromi, Narayanan Kannan, Mohamad Pauzi Zakaria and Ahmad Zaharin Aris (2014). *Persistent Contaminants in Waste Oils: A Short Review on PCBs and PAHs as Main Contaminants*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 107-110. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_20
10. Ley Juen Looi, Ahmad Zaharin Aris and Fatimah Md. Yusoff (2014). *Factor Controlling the Total Exchangeable Cation of Estuaries and Coastal Sediment*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 111-115. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_21
11. Ai Phing Lim, Ahmad Zaharin Aris and Hafizan Juahir (2014). *An Experimental Approach on the Removal of Cd (II) and Pb (II) Ions from Aqueous Solutions by Using Dead Calcareous Skeletons*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 117-120. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_22
12. Azrul Normi Idris, Ahmad Zaharin Aris, Saim Suratman and Ismail Tawnie (2014). *Preliminary Physicochemical Assessment of Groundwater in Kg. Salang, Pulau Tioman, Pahang, Malaysia*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 121-126. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_23
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14. Noorain Mohd Isa and Ahmad Zaharin Aris (2014). *Application of Geochemical and Geostatistical Analyses in Observing the Controlling Factors of groundwater Compositions*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 171-174. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_32
15. Hazzeman Haris and Ahmad Zaharin Aris (2014). *Mercury Distribution in Port Klang Mangrove and Estuarine Sediment*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 187-190. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_35
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  19. Mohammed Hatta Abd karim, Hafizan Juahir and Ahmad Zaharin Aris (2014). *A Comparative Study of groundwater Quality of various Aquifer Systems in Malaysia*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 313-317. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_57
  20. Nor Azrita Mohd Amin, Mohd Bakri Adam and Ahmad Zaharin Aris (2014). *Extreme Value Theory for Modeling and Prediction of High PM10 Concentration in Johor*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 319-324. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_58
  21. Tengku Hanidza Tengku Ismail, Hafizan Juahir and Ahmad Zaharin Aris (2014). Concerns on the Threat of Environmental Hazards to Human and Environment in Malaysia. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 385-389. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_70
  22. Faradiah Md. Dali, Hafizan Juahir, Ahmad Zaharin Aris, Mohd Ekhwan Toriman, Ai Phing Lim, Ley Juen Looi, Syed Badruz-Zaman Syed Sagoff and Faradiella Mohd Kusin (2014). *Assessment of Water Quality Using Environmetric Techniques at Johor River*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 403-407. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_73
  23. Ananthy Retnam, Hafizan Juahir, Mohamad Pauzi Zakaria, Ahmad Zaharin Aris and Mohd Fadhil Kasim (2014). *Water Quality and Enrichment of Sedimentary Polycyclic Aromatic Hydrocarbons (PAHs) Relation to Fish Culture in Malaysia*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 555-559. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_99
  24. Saliza Mohd. Elias, Ana Mardhiah Marzuki, Hilaliyah Mokhtar, Christopher George, Noor Azianti Zakaria and Ahmad Zaharin Aris (2014). *Heavy Metals (As, Cd, Cr and Pb) Concentration in Selected Freshwater Fishes and Health Risk Assessment Among Adults in Kluang, Johor*. In: Ahmad Zaharin Aris, Tengku Hanidza Tengku Ismail, Rosta Harun, Ahmad Makmom Abdullah and Mohd Yusoff Ishak (Eds.). *From Sources to Solution*. Springer, Germany. pp 573-578. (ISBN 978-981-4560-69-6). DOI 10.1007/978-981-4560-70-2\_102
  25. Ahmad Zaharin Aris and Sarva Mangala Praveena (2013). *Conceptualizing Seawater Intrusion Processes in Small Tropical Island via Geochemical Modelling*. In: Finkl, Charles, W. (ed) Coastal Hazards. Springer Verlag, New York. pp 269-284. (ISBN 978-94-007-5233-7). DOI 10.1007/978-94-007-5234-4\_11
  26. Ahmad Zaharin Aris, Sarva Mangala Praveena and Noorain Mohd Isa (2013). *Groundwater Composition and Geochemical Controls in Small Tropical Islands of Malaysia: A Comparative Study*. In: Wetzelhuetter, Chris (ed) Groundwater in the Coastal Zones of Asia-Pacific. Springer Verlag, New York. pp 229-246. (ISBN 978-94-007-5647-2). DOI 10.1007/978-94-007-5648-9\_11
  27. Mohd Kamil Yusoff, Ahmad Zaharin Aris, Hafizan juahir, Mohd. Zamani Ismail, Ahmad Hamdi Mat Yusoff, Norhafiza Mat Daud and Shamsuddin Johan, (2012). *Pengelasan Kualiti Air Sungai Berdasarkan Indeks kualiti Air (DOE-WQI) Di Pulau pangkor, Perak*. In: Abd. Rahman Hj. Abd.

- Rahim, Masran Md. Salleh, Mohd Nasir Abu Hassan and A Latiff (eds.) Hutan Pulau Pangkar, erak: Pengurusan Hutan, Persekitaran Fizikal dan Kepelbagaian Biologi (19 Siri Kepelbagaian Biologi Hutan). Jabatan Perhutanan Semenanjung Malaysia, Kuala Lumpur. pp 67-78. (ISBN 978-983-9269-93-2)
28. Mohd Kamil Yusoff, Ahmad Zaharin Aris, Mohammad Firuz Ramli and Latifah Abd Manaf (2012). Existing Environment. In: Fatimah Md Yusoff, Faridah Hanum Ibrahim and Awang Noor Abd. Ghani (eds.) Colours of Kota Marudu. Universiti Putra Malaysia Press, UPM Serdang. pp 27-48. (ISBN 978-967-344-281-2).
  29. Ahmad Zaharin Aris, Wan Ying Lim, Noorain Mohd. Isa, Mohd. Kamil Yusoff, Shamsudin Johan and Ahmad Hamdi Mat Yusoff (2011). *Investigation on Hydrochemistry Characteristics of Imbak Canyon Conservation Area*. In: A. Latiff and Waidi Sinun (eds.) Imbak Canyon Conservation Area, Sabah: Geology, Biodiversity and Socio-economic Environment. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 85-94. (ISBN 978-983-9445-77-0).
  30. Mohd Kamil Yusoff, Shamsudin Johan, Ahmad Hamdi Mat Yusoff and Ahmad Zaharin Aris (2011). *River Water Quality Assessment of Imbak Canyon Area*. In: A. Latiff and Waidi Sinun (eds.) Imbak Canyon Conservation Area, Sabah: Geology, Biodiversity and Socio-economic Environment. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 71-74. (ISBN 978-983-9445-77-0).
  31. Ahmad Zaharin Aris, Sarva Mangala Praveena, Latifah Abd. Manaf, Mohd Armi Abu Samah and Mohd Kamil Yusoff (2011). *A SWOT Analysis for Optimization of Groundwater Resource Management: The Case of Manukan Island, Sabah, Malaysia*. In: Mohamad Pauzi Zakaria, Mohd Ibrahim Mohamed and Sutarji Kasmin (eds.) Contemporary Environmental Quality Management in Malaysia and Selected Countries. Universiti Putra Malaysia Press. pp 247-258. (ISBN 978-967-344-208-9)
  32. Zufarzaana Zulkeflee, Mohd Kamil Yusoff, Zulkifli Hj. Shamsuddin and Ahmad Zaharin Aris (2011). *Biofloculant Produced by Bacillus sphaericus UPMB10: Potential Application in Treatment of Suspended Solid Pollution*. In: Mohamad Pauzi Zakaria, Mohd Ibrahim Mohamed and Sutarji Kasmin (eds.) Contemporary Environmental Quality Management in Malaysia and Selected Countries. Universiti Putra Malaysia Press. pp 109-118. (ISBN 978-967-344-208-9)
  33. Mohd Armi Abu Samah, Latifah Abd Manaf, Wan Nor Azmin Sulaiman and Ahmad Zaharin Aris (2011). *Selection of a Solid Waste Treatment Technology Using the AHP Approach*. In: Mohamad Pauzi Zakaria, Mohd Ibrahim Mohamed and Sutarji Kasmin (eds.) Contemporary Environmental Quality Management in Malaysia and Selected Countries. Universiti Putra Malaysia Press. pp 308-318. (ISBN 978-967-344-208-9)
  34. Ahmad Zaharin Aris, Mazlin Mokhtar, Mohd Harun Abdullah, Kamsia Budin, Mohd. Kamil Yusoff, Lee Yoke Heng, Md. Pauzi Abdullah, Abd. Rahim Idris and Raja Ibrahim Raja Uzir (2010). *A Multi-variate Statistical Analysis of Water Chemistry – The Maliau Basin*. In: Ibrahim Komoo, Mazlan Othman, Ikram M. Said and Abdul Latiff (eds.) Maliau Basin: Physical Environment and Biological Diversity of the Northern Rim. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 101-112. (ISBN 978-983-9445-50-3).
  35. Mohd Kamil Yusoff, Ahmad Zaharin Aris, Mohd Harun Abdullah and Mazlin Mokhtar (2010). *Physico-chemical Characteristics of the Rivers at Eucalyptus Camp, Maliau Basin*. In: Ibrahim Komoo, Mazlan Othman, Ikram M. Said and Abdul Latiff (eds.) Maliau Basin: Physical Environment and Biological Diversity of the Northern Rim. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 66-75. (ISBN 978-983-9445-50-3).
  36. Kamsia Budin, Mazlin Mokhtar, Ahmad Zaharin Aris, Mohd Harun Abdullah, Lee Yoke Heng, Mohd Kamil Yusoff, Md. Pauzi Abdullah, Abd. Rahim Idris and Raja Ibrahim Raja Uzir (2010). *Concentration of Heavy Metals in the Sediments of a River in Maliau Basin*. In: Ibrahim Komoo, Mazlan Othman, Ikram M. Said and Abdul Latiff (eds.) Maliau Basin: Physical Environment and Biological Diversity of the Northern Rim. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 76-85. (ISBN 978-983-9445-50-3).
  37. Lee Yoke Heng, Sharina Abu Hanifah, Sa'adiyah Said, Jalifah Latip, Ahmad Zaharin Aris, Kamsia Budin and Mazlin Mokhtar (2010). *Analysis of Chemicals Causing the Foam and Colour in the*

- Streams of Maliau Basin*. In: Ibrahim Komoo, Mazlan Othman, Ikram M. Said and Abdul Latiff (eds.) *Maliau Basin: Physical Environment and Biological Diversity of the Northern Rim*. Academy of Sciences Malaysia and Sabah Foundation Group, Kuala Lumpur. pp 86-100. (ISBN 978-983-9445-50-3).
38. Mazlin Mokhtar, Ahmad Zaharin Aris and Nurlina Ridwan (2009). *Kedah Maju, Kedah Bestari Berasaskan Penyelidikan dan Pembangunan*. LESTARI, UKM, Bangi. (ISBN 978-967-5227-14-1; 414 pages)
  39. Miroslav Radojevic, Mohd Harun Abdullah and Ahmad Zaharin Aris, (2007). *Analisis Air*. Scholar Press, Kuala Lumpur. (ISBN 978-983-3813-14-8; 207 pages)

## Journals

### (Science Citation Indexed Journals – Thompson/Scopus)

1. Hazzeman Haris, Ahmad Zaharin Aris, Mazlin Bin Mokhtar, (2017). Mercury and methylmercury distribution in the intertidal surface sediment of a heavily anthropogenically impacted saltwater-mangrove-sediment interplay zone. *Chemosphere* (ISSN: 0045-6535), Vol. **166**, 323-333. DOI: **10.1016/j.chemosphere.2016.09.045 (Q1)**
2. Tuan Fauzan Tuan Omar, Azrilawani Ahmad, Ahmad Zaharin Aris and Fatimah Md Yusoff, (2016). Endocrine disrupting compounds (EDCs) in environmental matrices: Review of analytical strategies for pharmaceuticals, estrogenic hormones, and alkylphenol compounds. *TrAC Trends in Analytical Chemistry* (ISSN: 0165-9936), Vol. **85**(Part C), 241-259. DOI: **10.1016/j.trac.2016.08.004 (Q1)**
3. Ting Yien Fang, Sarva Mangala Praveena, Claire deBurbure, Ahmad Zaharin Aris, Sharifah Norkhadijah Syed Ismail and Irniza Rasdi, (2016). Analytical techniques for steroid estrogens in water samples - A review. *Chemosphere* (ISSN: 0045-6535), Vol. **165**, 358-368. DOI: **10.1016/j.chemosphere.2016.09.045 (Q1)**
4. Ley Juen Looi, Ahmad Zaharin Aris, Fatimah Md. Yusoff and Zailina Hashim, (2016). The levels of mercury, methylmercury and selenium and the selenium health benefit value in grey-eel catfish (*P. canius*) and giant mudskipper (*P. schlosseri*) from the Strait of Malacca. *Chemosphere* (ISSN: 0045-6535), Vol. **152**, 265-273. DOI: **10.1016/j.chemosphere.2016.02.126 (Q1)**
5. Ai Phing Lim, Zufarzaana Zulkeflee and Ahmad Zaharin Aris, (2016). Effective removal of lead (II) ions by dead calcareous skeletons: Sorption performance and influencing factors. *Water Science and Technology* (ISSN: 0273-1223), Vol. **74**(7), 1577-1584. DOI: **10.2166/wst.2016.368**
6. Jeremy Andy Dominic, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman and Wan Zawawi Wan Mohd Tahir (2016). Discriminant analysis for the prediction of sand mass distribution in an urban stormwater holding pond using simulated depth average flow velocity data. *Environmental Monitoring and Assessment* (ISSN: 0167-6369), Vol. **188**(3), 191–15. DOI: **10.1007/s10661-016-5192-8 (Q2)**
7. Jeremy Andy Dominic, Ahmad Zaharin Aris, Wan Nor Azmin Sulaiman and Wan Zakaria Wan Md Tahir, (2016). Discriminant analysis for the prediction of sand mass distribution in a holding pond using deposition thickness model of a single grain-sized particle. *Environmental Earth Sciences* (ISSN: 1866-6280), Vol. **75**(9), 1–15. DOI: **10.1007/s12665-016-5641-2 (Q2)**
8. Wee Sze Yee, Tuan Fauzan Tuan Omar, Ahmad Zaharin Aris, (2016). Surface Water Organophosphorus Pesticide Concentration and Distribution in the Langat River, Selangor, Malaysia. *Exposure and Health* (ISSN: 2451-9766). DOI: **10.1007/s12403-016-0214-x (Q2)**
9. Nurul Hafiza Ab Razak, Ahmad Zaharin Aris, Mohammad Firuz Ramli, Ley Juen Looi and Hafizan Juahir, (2016). Temporal Flood Incidence Forecasting for Segamat River (Malaysia) using Auto-Regressive Integrated Moving Average (ARIMA) Modelling. *Journal of Flood Risk Management* (ISSN: 1753-318X) – DOI: **10.1111/jfr3.12258 (Q3)**
10. Sarva Mangala Praveena, Lum Suk Han, Leslie Thian Lung Than & Ahmad Zaharin Aris, (2016). Preparation and characterisation of silver nanoparticle coated on cellulose paper: evaluation of

- their potential as antibacterial water filter. *Journal of Experimental Nanoscience* (ISSN: 1745-8080), Vol. **11**(17), 1307-1319. DOI: **10.1080/17458080.2016.1209790**
11. Nurul Hafiza Abd Razak, Sarva Mangala Praveena, Ahmad Zaharin Aris and Zailina Hashim, (2015). Drinking Water Studies: A Review on Heavy Metal, Application of Biomarker and Health Risk Assessment (A Special Focus in Malaysia). *Journal of Epidemiology and Global Health* (ISSN: 2210-6006), Vol. **5**(4), 297-310. DOI: **10.1016/j.jegh.2015.04.003**
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