

CURRICULUM VITAE



**Professor Dr. Ahmad Ismail
Universiti Putra Malaysia
43400 UPM Serdang, Selangor.**

1. Personal Information

1. **Name:** AHMAD BIN ISMAIL.
2. **Department:** Department of Biology.
3. **Faculty:** Faculty of Science.
4. **Field of Specialization:** Ecotoxicology and Wildlife Ecology.
5. **Education and Academic Qualification:**

University

Name of Institution:	University of Essex, Colchester, England (1982-1986).
Degree Awarded:	Doctor of Philosophy.
Thesis :	Ecology and Toxicology of Arsenic in Contaminated Grassland.
Name of Institution:	Universiti Kebangsaan Malaysia, Jalan Pantai, Kuala Lumpur (1976-1980).
Degree Awarded:	B. Sc. (Hons.).
Thesis:	Survey on Several Aspects of Ecology and Behaviour of Wild Rats in Oil Palm Estates.

6. **Field(s) of Specialization:** Ecotoxicology and wildlife ecology

Current Research Areas/Topics:

- a. Assessment and effect of hazardous chemicals on habitat quality of migratory shorebirds and coastal environment including coastal food webs systems.
- b. Adaptation of birds towards their habitat changes and identification of key species for mangrove habitat. Current focus species is Milky Storks in Kuala Gula, Perak and Southern Pied Hornbill in North Selangor Peat Swamp Forest.
- c. Migration fishes (eel) responses towards habitat quality and changes and fishes population in changes of peat swamp forest ecology.
- d. Medaka fishes as a bioindicator and testing organism for environmental changes.
- e. A holistic approach towards tackling the long-tailed macaque-human interface in Kuala Selangor.

7. Research attachment in the field of Ecotoxicology, Marine Sciences and Wildlife Ecology at;

- a) University of Wales, Menai Bridge, Bangor 1993;
- b) The Tokyo University, Japan;
- c) Kyoto University, Japan;
- d) Ehime University, Japan;
- e) Kagoshima University, Japan;
- f) National Institute of Basic Biology (NIBB), Nagoya, Japan;
- g) Minamata Disease Research Institute, Minamata, Japan.

[Regular short visits and attachments from 1996-2011 in Japanese University's Laboratories through multilateral research collaboration in coastal marine sciences organized by Japan Society for the Promotion of Science (JSPS) and Japan International Cooperation agency (JICA). The projects continue under A-Core programme 2012-2015 (<http://www.jsps.go.jp/english/e-acore/> & http://www.aori.u-tokyo.ac.jp/newsletter/files/cic_newsletter10.pdf) and leading pollution group researchers in Malaysia under JSPS A-Core Programme].

8. Brief career History:

Professor Ahmad bin Ismail started his career in Universiti Pertanian Malaysia in 1981 then Universiti Putra Malaysia after 3 April 1997). Since then he has built up a vast experience in teaching, supervision, research, publication, extension and consultation, students' affairs management and administration. He has taught more than 1000 students in the fields of animal diversity, wildlife ecology, animal structure and function, tropical ecology and ecotoxicology; supervised more than 100 undergraduate and postgraduate students' projects in the fields of wildlife ecology and ecotoxicology. His postgraduate students comprised those from Pakistan, Iran, Iraq, Bangladesh, Sudan, Oman, Indonesia, Philippines, Nigeria, Jordan dan Malaysia. To date he has produced more than 10 masters and PhD foreign students. Apart from fulltime students, he also supervised visiting students from Finland, Australia, England, Oman, Iraq, Korea and Japan who conducted their short term research in the university.

In research, Professor Ahmad has been awarded more than RM2 million research grants throughout his career and published more that 300 publications in local and international refereed journals and conference proceedings. He presented in many seminars locally and internationally including as invited and plenary speakers. He is also visiting Professor to Nicolaus Copernicus University, Poland under the European Union "Enhancing Educational Potential in the Disciplines of Mathematical and Natural Sciences and research collaborators with Japanese and Asian scientists in coastal marine sciences under JSPS (Japanese Society for Promotion of Science). Until 31 January 2014, Google Scholar Citation Indices has shown 2423 number of citations and H-index 29 for his publications.

In consultation and extension activities, he has also been awarded more than RM 1 million ringgit. He was involved in many activities with companies such Petronas, Telekom Malaysia, Denso, Bata, Coca-cola and many more. In addition, he is also active in disseminating knowledge about education and environment to the public through printed and electronic media. Professor Ahmad is currently the Vice President of Malaysian Nature Society (MNS) which is a well-

known 73-year-old nature based society in Malaysia with more than 4000 members. He actively involved in environmental education programmes which participated by nearly 500 schools in Malaysia in collaboration with MNS and Ministry of Education Malaysia and Ministry of Natural Resources and Environment.. He is also the former Vice President of the Malaysian Zoological Society which manages Zoo Negara Hulu Kelang and former Honorary Secretary of the Malaysian Ecological Society. Through these nature base societies he is educating many school's and university's students in understanding nature and conservation and develops interest in science for their future career. In late 1990s and early 2000 he involve a lot in promoting science 60:40 Science:Arts in schools.

In administration, Professor Ahmad is currently the Head of Biology Department. He had previously held other posts such as Deputy Dean of Faculty of Agriculture and Food Science UPM Bintulu Campus, Deputy Director UPM Matriculation Centre, and Principal of Thirteenth College, UPM. He is involved in many committees at department, faculty and university level. He is a Senate Member Universiti Putra Malaysia, Senate Representative in Post Graduate Studies Committee Universiti Putra Malaysia, Senate Representative in Curriculum Committee Universiti Putra Malaysia, Senate Representative in Professional Examination Committee Faculty of Medicine and Health Sciences, Committee member for Institutional Animal Care and Use Committee (IACUC) Universiti Putra Malaysia, Board Member of Universiti Putra Malaysia Cooperative, Director of Kedai Buku Koperasi Sdn Bhd Universiti Putra Malaysia, and President of Academic Officer Association Universiti Putra Malaysia, and a Committee Member of Malaysian Academic Association Council (MAAC). He also serves in many permanent committees and ad-hoc committees at university level. He is the Chairman for UPM-Coca-Cola Recycle to Cycle 2012-2014, a USD250,000 project sponsored by the Coca-cola Foundation. At international level, he has collaborated with many universities in Japan, England, Poland, Thailand, Indonesia, Philippines and Vietnam on multilateral research collaborations on coastal marine sciences and biodiversity.

Prof Ahmad is also actively involved in community services. He was the Chairman of Parent-Teacher Association Sekolah Kebangsaan Seri Selangor, USJ, Subang Jaya until April 2013 and previously Chairman of Parent-Teacher Association Sekolah Menengah Kebangsaan USJ4 subang Jaya, Vice President of Malaysian Nature Society (MNS), Advisor to Environmental Education Department MNS, Committee member of Briged Penyelamat Sungai (BPS) Syabas/Puncak Niaga and many active life style and green activities with local authority MPSJ (Majlis Perbandaran Subang Jaya). His contributions were not only through direct contacts with the public but also through local media such as television (RTM1, RTM2, TV3, TV Bernama), radio (Nasional, FM) and news papers (The Star, The New Straits Time, Berita Harian, Utusan Malaysia, Sinar and others). Currently (November 2013 – February 2014) he is promoting ideas on Orang Asli and the protection of Taman Negara Kuala Koh in the local media, Utusan Malaysia, Sinar Harian, TV1, TV3 dan Astro Awani.

As an international networking, he established MoU (Memorandum of Understanding) between UPM and The Tokyo University and Kagoshima University and Lembaga Ilmu Pengetahuan Indonesia (LIPI). This networking has developed new young scientists in the research groups both in Malaysia and counterparts. He is active in multilateral research collaboration with Asian countries through JSPS. At national levels he works together with Pulau Banding Foundation (PBF) and established MoU between UPM and PBF. This MoU is active in nature conservation and environmental education involving staff and students beside biodiversity based research among the staffs.

For his excellence services he was awarded UPM Vice Chancellor Fellowship Award (Academic and Professionals) 2012 and faculty of Science UPM management Award 2013. His vision is to make future Malaysians a thinking society, living in harmony in comfortable environment and achieving high capacity in science and technology. Thus, the missions are to develop a young generation of high capacity and thinking society for a developed nation through formal and informal education, to develop high level of proactiveness, creativity and competitiveness among

the young generation in the pursue of knowledge in science, to promote study, appreciation, conservation and protection of nature and Malaysian heritage in order to create harmonious, sustainable and developed nation, and to gather experts for more unified research in developing the nation in science and technology. In general universities play important roles in producing first class citizens in future Malaysians in a developed country. All universities must have strategies to provide competitive graduates for a competitive job market in our GLC (Government Linked Companies) international MNC (Multi-National Companies) and global market

2. Previous Academic and Other Relevant Appointments

1. Head of Department, Department of Biology, Faculty of Science, Universiti Putra Malaysia. Jun 2011-Jun 2014.
2. Professor, Universiti Putra Malaysia 2008-Present.
3. Deputy Dean for Faculty of Agricultural Science and Food, Bintulu Campus, Sarawak, January to December 2005.
4. College Master for 13th College, March 2001 – December 2004.
5. Deputy Director, Centre for Matriculation, UPM. September, 1997- August, 2000.
6. Associate Professor, Universiti Putra Malaysia 1996-2008.
7. Lecturer; Universiti Pertanian Malaysia, Serdang. 1987 – 1996.
8. Tutor; Universiti Pertanian Malaysia, Serdang. 1986-1987.
9. Postgraduate Student, University of Essex, England. 1982-1986.
10. Tutor; Universiti Pertanian Malaysia Sarawak Campus, Kuching, Sarawak. 1981-1982.
11. Part time demonstrator;
 - i) Pusat Sains Asasi, Universiti Malaya. 1980.
 - ii) Jabatan Biologi, Universiti Pertanian Malaysia. Serdang. 1979/80.
 - iii) Jabatan Zoologi, Universiti Kebangsaan Malaysia. Jalan Universiti, Petaling Jaya. 1980.

3. Research Activities

	Title of project	Amount (RM)	Year
1	Effect of Zinc on the Growth of Rats. Short Term Grant, UPM	RM 2,300.00	1988
2	Identification of Biological Indicator for Water Quality and Environmental Changes. IRPA	RM41,000.00	1989-1990
3	Heavy Metals Pollution in Estuarine and Coastal Ecosystem. Short Term Grant, UPM, 1990-91	RM28, 000.00.	1990-1991
4	Biology and Ecology of Vertebrate Animals in Rice Field, IRPA, 1990-1993	RM 1,145,163.00	1990-1993
5	Studies on Heavy Metals Bioaccumulation in	RM13,480.00	1995

	Intertidal Molluscs, Polychaeta and Sediments of Peninsular Malaysia. Short term research grant from Universiti Pertanian Malaysia ; for 1995		
6	Product quality monitoring for heavy metals. IRPA 1995-2001.	RM102,000.00	1995-2000
7	International Mussel Watch in Asia-Pacific 1997/2001. A collaboration research with Ehime University and Tokyo University of Agriculture and Technology, Japan. Supported by Ministry of Education, Japan and NISSAN for the sampling and field trips of Japanese and Malaysian Scientists.	12,200,000.00 Yen	1997-2001
8	Imposex studies in gastropodes from commercial ports in west coast of Peninsular Malaysia, short term research 1999/2001.	RM10, 000.00	1999-2001
9	Identification of biomarkers for heavy metals accumulation in <i>Perna viridis</i> , short term research 1999/2001.	RM10,000.00	1999-2001
10	Pollution impacts on bioresources in the Straits of Malacca. 2001-2005. IRPA	RM179,000.00	2001-2005
11	Development of Environmental Education Modules in Malaysia, 2001-2005. IRPA	RM121,660.00	2001-2005
12	Habitat quality and utilization for migratory shore birds in Kapar, Pantai Remis, Kuala Selangor and Kuala Gula, Perak. (Short term research grant from Universiti Putra Malaysia for 2001-2003	RM10,000.00	2001-2003
13	JSPS (Japanese Society for Promotion of Science) Multilateral Cooperative Research Programme 2001-2010 Coastal oceanography: Pollution of hazardous chemical in coastal marine environment and their ecological effect.	RM 500,000.00 (estimate)	2001-2010
14	Studies on plastic Pellets and Hazardous Chemicals in Shorebirds Feeding Sites. Ministry of Science, Technology and Innovation Malaysia – eSciencefund, 2006-2008	RM196,600.00	2006-2008
15	Molecular population genetics of the milky stork (<i>Myceria cinerea</i>) and the painted stork (<i>M. leucocephala</i>) found in Malaysia. Fundamental research grant, Ministry of Higher Education for 2007/2008 01-01-07-165FR	RM 74,000.00	2007-2008
16	Identification of diagnostic DNA microsatellite markers for heavy metal pollution in the biomonitoring agent, the green-lipped mussel, <i>Perna viridis</i> . eScience fund, MOSTI, for 2007/2008.	RM 146,000.00	2007-2008
17	Studies on heavy metals (Pb, Cu, Zn, Cd, N, V, Hg) in mudskipper and its biochemical response to heavy metals toxicity. 2009-2010.	RM 80,000.00	2009-2010
18	Studies on the adaptation of milky stork released into natural habitat in Kuala Gula Perak. 2009/2010 Wildlife Department and National Park Malaysia	RM40,000.00	2009-2010
19	Studies on heavy metals, nitrate and phosphate input from inland to coastal areas. Research University Grant (RUG) 2009-2011	RM 87,000.00	2009-2011
20	Studies on human-macaque conflict at Kuala Selangor Nature Parks 2011-2013	RM 15,000.00	2011-2013

21	Studies on the Response of Chloride Cells Towards Heavy Metals Exposure on Java Medaka (<i>Oryzias javanicus</i>)	RM 15,000.00	2010-2013
22	Mobility of Trace Metals in the Mangrove Ecosystem	RM 26,500.00	2011-2013
23	Early Establishment, Dispersal and Survival of the Released Milky Storks in Malaysia: An Ex-Situ Study	RM 56,000.00	2011-2013
24	Response Of Java Medaka (<i>Oryzias javanicus</i>) to Several Pollutants : a new Tool For Ecotoxicology	RM 32,000.00	2012-2013
25	Studies On Ecology And Genetic Diversity Of Medaka Fish (<i>Oryzias</i> sp.) In The Coastal Region Of Malaysia - A New Research Tool For Environmental Studies	RM 79,460.00	2012-2014
26	Coca cola active healthy life (Recycle to Cycle)	RM 772,000.00	2012-2014
27	Identification, Distribution and Migration Pattern of Anguillid Eels in the Northern Part of Peninsular Malaysia	RM 30,000.00	2013-2014
28	Integrated Assessment on Habitat Quality and Trace Metals Mobility in Mangrove Ecosystem	RM 137,000.00	2012-2014
29	Assessment of dragon fly as bioindicator for environmental changes along rivers and mangrove ecosystem in relation to oil palm plantation.	RM 50,000.00	2012-2014
30	Migration pattern and adaptability of asian swamp eel (<i>Monopterus albus</i>) in paddy field of Tumpat and Tanjung Karang.	RM 86,000.00	2012-2014
31	Integrated Forensic Investigations of Marine Pollution Impacts in Ecologically Sensitive Areas	RM 184,360.00 RM 234,360.00	2013 2014
32	Assessment of heavy metals contamination risk in foraging areas of Milky Stork in Kuala Gula, Perak.	RM 15,000.00	2014-2016
33	Establishment of Javanese Medaka (<i>Oryzias javanicus</i> , Bleeker, 1854) as a novel model organism for ecotoxicology, developmental neurotoxicology and neuropharmacology research	RM 299,500.00	2014-2016

4. Publications

2014

1. Ramsie, SA, SZ Zulkifli, F Mohamat-Yusuf, **A Ismail**, CAR Mohamed (2014). Geochronology of 210Pb in Sediments of Sepang Besar River, Malaysia. From Sources to Solution, Proceedings of the International Conference on Environmental Forensic 2013, Springer, 245-249
2. AY Sow, **A Ismail**, SZ Zulkifli (2014). Health Risk from Cu and Zn Contamination Through Consumption of Paddy Eel, *Monopterus albus*. From Sources to Solution, Proceedings of the International Conference on Environmental Forensic 2013, Springer, 239-243
3. Zulkifli, SZ, FZA Aziz, SZM Ajis, **A Ismail** (2014). Nauplii of Brine Shrimp (*Artemia salina*) as a Potential Toxicity Testing Organism for Heavy Metals Contamination. From Sources to Solution, Proceedings of the International Conference on Environmental Forensic 2013, Springer, 233-237

4. F Mohamat-Yusuff, SZ Zulkifli, T Otake, H Harino, **A Ismail** (2014). Study on a New Mechanism of Sterilization in Imposex Affected Females of Tropical Marine Neogastropod, *Thais sp.* Journal of Environmental Biology

2013

1. James B. Barnett, Rosmund L. Benbow, **Ahmad Ismail** and Mark D. E. Fellowes (2013). Abundance and diversity of anurans in a regenerating former oil palm plantation in Selangor, Peninsular Malaysia. Herpetological Bulletin (2013) 125: 1-9.
2. Khodadoust, D., **A Ismail**, SZ Zulkifli, FH Tayefeh (2013). Short time effect of cadmium on juveniles and adults of Java medaka (*Oryzias javanicus*) fish as a bioindicator for ecotoxicological studies. Life Sci J 10, 1857-1861
3. Khodadoust Daryoush, **Ahmad Ismail** (2013). Bioaccumulation of Zinc in Java Medaka Fish (*Oryzias javanicus*) and Identifying of Metallothionein-Like Protein. Life Science Journal 10.
4. Khodadoust, D.,, **A Ismail** (2013). Metallothionein-like protein levels in java medaka fish (*Oryzias javanicus*) exposed to different concentrations of cadmium. Walailak Journal of Science and Technology (WJST), 11 (9).
5. Elsie Yoke Sim Yee, Zainal Zahari Zainuddin, **Ahmad Ismail**, Chee Kong Yap, Soon Guan Tan (2013) Identification of Hybrids of Painted and Milky Storks Using FTA Card-Collected Blood, Molecular Markers, and Morphologies. Biochemical Genetics DOI:10.1007/s10528-013-9607-8
6. Ai Yin Sow, **Ahmad Ismail** & Syaizwan Zahmir Zulkifli (2013). Geofractionation of Heavy Metals and Application of Indices for Pollution Prediction in Paddy Field Soil of Tumpat, Malaysia. Environmental Science and Pollution Research DOI: 10.1007/s11356-013-1857-9
7. Teng, S.K., Abd Aziz, N.A., Anang, N., Mustafa, M., **Ismail, A.**, Yan, Y.W. (2013). Earthworm diversity and population density in the Kaki Bukit agroecosystem, Perlis, Peninsular Malaysia. Tropical Ecology 54(3):291-299.
8. Yee, E.Y.S., Zainuddin, Z., **Ismail, A.**, Yap C.K., Tan, S.G. (2013). Molecular sex identification of painted storks (*Mycteria leucocephala*): using FTA cards , horizontal PAGE and quick silver staining. Journal of genetics (in press).
9. Ai Yin Sow, **Ahmad Ismail** & Syaizwan Zahmir Zulkifli (2013). An Assessment of Heavy Metal Bioaccumulation in Asian Swamp Eel, *Monopterus albus*, During Plowing Stages of a Paddy Cycle. Bull Environ Contam Toxicol. DOI 10.1007/s00128-013-1009-4

2012

10. Kamarul Hambali, **Ahmad Ismail** and Badrul Munir Md-Zain (2012). Daily Activity Budget of Long-tailed Macaques (*Macaca fascicularis*) in Kuala Selangor Nature Park International Journal of Basic & Applied Sciences IJBAS-IJENS Vol:12: 47-52. No:04 47
11. Kamarul Hambali, **Ahmad Ismail**, Syaizwan Z. Zulkifli, Badrul Munir Md-Zain And Aainaa Amir (2012). Human-Macaque Conflict and Pest Behaviors Of Long-Tailed Macaques (*Macaca Fascicularis*) In Kuala Selangor Nature Park. Tropical Natural History 12(2): 189-205, October 2012

12. **Ahmad Ismail**, Faid Rahman And Syaizwan Z. Zulkifli (2012). Status, Composition And Diversity Of Avifauna In The Artificial Putrajaya Wetlands And Comparison With Its Two Neighboring Habitats Tropical Natural History 12(2): 137-145, October 2012
13. **Ahmad Ismail** and Faid Rahman (2012) Does Weather Play Important Role in Early Nesting Activity of Colonial Waterbirds? A Case Study in Putrajaya Wetlands, Malaysia, Tropical Life Sciences Research, Volume 23, Issue 2 (2012) Early View Publication Date (Web): 28 December 2012
14. Sow Ai Yin, **Ahmad Ismail**, Syaizwan Zulkifly (2012) An Assessment of Heavy Metal Bioaccumulation in Asian Swamp Eel, *Monopterus albus*, during Plowing Stages of a Paddy Cycle", Bulletin of Environmental Contamination and Toxicology (accepted)..
15. **Ismail, A** and Rahman, F (2012). An Urgent Need for Milky Stork Study in Malaysia. *Pertanika J. Trop. Agric. Sci.* 35 (3): 407 - 412.
16. Saber Ghasemia, Neda Mola-Hoveizeh, Mohamed Zakaria, **Ahmad Ismail** and Farhad Hoseini Tayefeh (2012) Relative abundance and diversity of waterbirds in a Persian Gulf mangrove forest, Iran. *Tropical Zoology*: 25 (1), 39–53.
17. Hajeb P, Jinap S, **Ismail A**, Mahyudin NA (2012). Mercury pollution in Malaysia. *Rev Environ Contam Toxicol.*;220:45-66.
18. Abolfazl Naji, **Ahmad Ismail** (2012). Metals fractionation and evaluation of their risk connected with urban and industrial influx in the Klang River surface sediments, Malaysia. *EnvironmentAsia* Vol.5 No.1 17-25 (2012).
19. **Ahmad Ismail**, Faid Rahman, Nobuyuki Miyazaki and Yasuhiko Naito (2012). Initial application of bio-logging techniques on captive Milky Stork (*Mycteria cinerea*) in Malaysia. *Tropical Ecology* 53(2): 177-181.
20. T. Arai, N. Chino, S. Z. Zulkifli and **A. Ismail** (2012). Notes on the occurrence of the tropical eel *Anguilla bicolor bicolor* in Peninsular Malaysia, Malaysia. *Journal of Fish Biology* (2012) 80, 692–697.
21. Chew, W; C.K. Yap, **A. Ismail**, M.P. Zakaria and S. G. Tan (2012). Mercury Distribution in an invasive species (*Asystasia gagentica*) from Peninsular Malaysia. *Sains Malaysiana* 41(4): 395-401.
22. Shahrizad Yusof, **Ahmad Ismail**, Tomoko Koito, Masato Kinoshita and Koji Inoue (2012). Occurrence of two closely related ricefishes, Javanese medaka (*Oryzias javanicus*) and Indian medaka (*O. dancena*) at sites with different salinity in Peninsular Malaysia. *Environmental Biology of Fishes* Volume 93, Number 1, 43-49, DOI: 10.1007/s10641-011-9888-x
23. Ferdaus Mohamat-Yusuff , Syaizwan Zahmir Zulkifli , **Ahmad Ismail** , Mohamad Kamil Yusof, Tsuuguo Otake (2012), Field Survey and Spatial Distribution of Tropical Neogastropod, *Thais* spp., along Malaysian Coastal Area. *Acta Biologica Malaysiana*, 1(1): 9-17.
24. Sow Ai Yin, **Ahmad Ismail**, Syaizwan Zahmir Zulkifli (2012). Copper and Zinc Speciation in Soils from Paddy Cultivation Areas in Kelantan, Malaysia. *Acta Biologica Malaysiana*, 1(1): 26-35.
25. **Ahmad Ismail**, Faid Rahman (2012). Population dynamics of colonial waterbirds in Upper Bisa, Putrajaya Wetlands, Malaysia. *Acta Biologica Malaysiana*, 1(1): 36-40
26. Khodadoust Daryoush and **Ahmad Ismail** (2012). Acute toxicity test of Zn on Java Medaka (*Oryzias javanicus*) fish as an estuary pollution bioindicator. *Scientific Research and Essays*; xx:xx
27. Khodadoust Daryoush and **Ahmad Ismail** (2012). Assessment the Availability of Java Medaka (*Oryzias javanicus*) In Coastal Areas of Malaysia As A New Tool For Environment Quality Monitoring. *Archives Des Sciences*, xxx:xxx

2011

28. Chew, W; C.K. Yap, **A. Ismail**, M.P. Zakaria and S. G. Tan (2011). Possible of Hg redistribution in *Tridax procumbens* due to Hg contamination. *Asian Jr. of Microbiol. Env. Sc.* Vol. 13 (3): 393-398.
29. So Ai Yin, **Ahmad Ismail** , Syaizwan Zahmir Zulkifli (2011). Heavy metals uptake by Asian swamp eel, *Monopterus albus* from paddy fields of Kelantan, Peninsular Malaysia: Preliminary study. *Tropical Life Sciences Research* (in press)
30. Yap, C. K., **Ismail, A.**, S.G. Tan (2011). Mercury concentrations in the different soft tissues and byssus of *Perna viridis* (L.) collected from the west coast of Peninsular Malaysia. *Asian Jr. Microbiol. Biotech. Env. Sc.* 13(2): 237-242
31. Abolfazl Naji, **Ahmad Ismail** (2011). Spatial Variation and Binding Behavior of Cu and Pb in Surface Sediments of Klang River. *International Journal of Chemical and Environmental Engineering*, April 2011, Volume 2, No.2: 91-96.
32. Naji. A., **Ismail, A.** (2011) Spatial distribution and anthropogenic assessment of heavy metals in the surface sediments of Klang River. *Wetland Science* 9(1): 8-18.
33. **Ahmad Ismail**, Shahrizad Yusof (2011). Effect of mercury and cadmium on early life stages of Java medaka (*Oryzias javanicus*): A Potential tropical test fish. *Marine Pollution Bulletin* 63: 347-349.
34. **Ahmad Ismail**, Faid Rahman, Doreen Khoo Say Kin, Mat Naim Haji Ramli and Mohammad Ngah (2011). Current Status of the Milky Stork Captive Breeding Program in Zoo Negara and its Importance to the Stork Population in Malaysia. *Tropical Natural History* 11(1):75-80.
35. Naji. A., **Ismail, A.** (2011). Assessment of metals contamination in Klang River surface sediments by using different indexes, *EnvironmentAsia* Vol.4 No.1 (2011).
36. Chino, N., T. Arai, A. Z. Zulkifli, **A. Ismail** (2011). Notes on the occurrence of the tropical eel *Anguilla bicolor* in Peninsular Malaysia, Malaysia. *Journal of Fish Biology*. JFB 68/1-2. (in press)

2010

37. Kinoshita, M., M.P. Zakaria, **A. Ismail**, S. Yusof, C. Boonphakdee, T. Boonphakdee, K. Inoue (2010). An attempt to detect contamination with estrogenic compounds in river water of urban area in Thailand and Malaysia using transgenic medaka. *Coastal Marine Science* 34(1): 216-222.
38. Yap, C.K., Maschinshian, M.A., **Ismail, A.** and Pauzi Zakaria, M. (2010). Relationships and comparative studies of heavy metals and organic PAH compounds in the soft tissues *Perna viridis*. *Research Journal of Chemistry and Environment* 14(1): 56-61.
39. **Ahmad Ismail**, Faid Rahman, Rahmah Ilias and Mohd Nawayai Yasak (2010). The Adaptability of Released Milky Stork in Kuala Gula, Perak. Universiti Putra Malaysia, Serdang. ISBN 978-983-2519-11-9
40. Bintal Amin, Nurrachmi, I. **Ismail, A.** and Yap.C.K. (2010). Heavy metals concentrations in the intertidal gastropod *Nerita lineate* and their relationships to those in its habitats: A case study in Dumai coastal waters. *Wetland Science* 7(4): 351-357.
41. Yap, C.K., Mashinshian, M.A., **Ismail, A.** and Zakaria, M.P. (2010). Relationships and comparative studies of heavy metals and organic PAH compounds in the soft tissues of *Perna viridis*. *Research Journal of Chemistry and Environment* 14(1):56-61.
42. Sohrabi, T., **A. Ismail** and M.B. Nabavi (2010). Distribution and Normalization of some metals in surface sediments from South Caspian Sea. *Bull Environ Contam Toxicol* 85:502-508.

43. Yap, C.K., **A. Ismail** and S.G. Tan (2010). A baseline study on mercury concentrations in the surface sediments of the Straits of Malacca collected during four sampling cruises conducted between 1998-2000. *Asian J. of Microbio. Biotech. Env. Sc.* 12(1):11-17.
44. Syaizwan Z.Z., **Ismail A.**, Ferdaus M.Y., Arai T. and Miyazaki N (2010). Johor Strait as a Hotspot for Trace Elements Contamination in Peninsular Malaysia. *Bull Environ Contam Toxicol* 84:568-573
45. Lomoljo, R.M., **Ismail, A.**, Yap, C.K. A.R. Ismail (2010). The status of heavy metal levels in a Ramsar Site, Kuala Gula Bird Sanctuary: the impact of the anthropogenic inputs. *Toxicological & Environmental Chemistry* , 92:10, 1953-1963. IF 0.209.
46. Syaizwan Z.Z., Ferdaus M.Y., Arai T., **Ismail A.** and Miyazaki N (2010). An assessment of selected trace elements in intertidal surface sediments collected from the Peninsular Malaysia. *Environmental Monitoring and Assessment*, 169(1-4): 457-472. DOI 10.1007/s10661-009-1189-x
47. Mohamat-Yusuff, F., Zukifli, S.Y., Harino, H., **Ismail, A.**, Yusoff, M.K., Arai, T. 2010. Imposex in *Thais gradata* as a biomarker for TBT contamination on the southern coast of Peninsular Malaysia. *Water, Air & Soil Pollution*, 211(1-4): 443-457. DOI: 10.1007/s11270-009-0314-3
48. Franklin Edward Berandah, Yap Chee Kong and **Ahmad Ismail** (2010). Bioaccumulation and Distribution of Heavy Metals (Cd, Cu, Fe, Ni, Pb and Zn) in the Different Tissues of *Chicoreus capucinus* Lamarck (Mollusca: Muricidae) Collected from Sungai Janggut, Kuala Langat, Malaysia. *EnvironmentAsia* 3(1):65-71.
49. Naji. A., **Ismail, A.**, Ismail, A. R. (2010). Chemical speciation and contamination assessment of Zn and Cd by sequential extraction in surface sediment of Klang River, Malaysia. *Microchemical Journal* 95(2):285-292).
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16. Bioconcentration of heavy metals copper, cadmium and zinc in fresh water amphipod *Hyalella azteca*. *Malaysian Applied Biology* 30 October 2003.
17. Assessment of selected trace metal, total PAHs, and organochloride concentrations in the northwest coast of Mexico using the mussel *Mytella strigata*. *Environment International* 11 November 2003.
18. Population dynamics and exploitation level of green mussels (*Perna viridis*) in the off shore Island of the Cox's Bazar coast of Bangladesh. *Pertanika* 23 May 2005.

19. Comparison on condition Index of the green-lipped mussel *Perna viridis* between Sebatu and Pasir Panjang. *Pertanika* 10 May 2005.
20. Accumulation of Hg and other heavy metals in the Javan mongoose (*Herpestes javanicus*) captured on Amamioshima Island, Japan. *Chemosphere* 28 October 2005.
21. Optimization of mollusk combinations for monitoring heavy metal pollution in the coastal waters of the East China Sea. *Chemosphere* 4 October 2006.
22. Determining the carrying capacity of the gibbon *Hylobates lar* using ecological characteristics in Ayer Hitam Forest Reserve: Considerations for reintroduction. *The Malaysian Forester* 8 November 2006.
23. Biomonitoring: An appealing tool for assessment of metal pollution in the aquatic ecosystem. *Analytica Chimica Acta Manuscript number: ACA-07-1639*. 7 September 2007.
24. The environmental Availability of Metals in Ultramafic Soils from the Barberton Greenstone Belt, Mpumalanga, South Africa. *Pedosphere*-807421 5 March 2008.
25. Trace metals in Japanese eel *Anguilla japonica* among ecological migratory types and growth stages Estuarine, Coastal and Self Science October 6, 2009.
26. Histological lesions in gills of feral three fish species, owing to uptake of xenobiotic substances from Keenjhar Lake. *Reviews in Fisheries Science*. July 8, 2009.
27. Heavy metals in *Telescopium telescopium* and sediments from two stations of estuary south east coast of India. *Science Asia*. July 22, 2009.
28. Amphibian Biodiversity of Gunung Inas Forest Reserve, Kedah, Malaysia. *Pertanika manuscript Number: JTAS/0243/2010 R2*
29. Activity levels of ²¹⁰Po in the coastal region of Kapar, Malaysia caused by coal-fired power plant. *Environmental Monitoring and Assessment Manuscript: EMAS5739 31Mac2010*
30. A Herpetological Survey of Peta, Endau-Rompin, Johor, Malaysia. Manuscript ID. JTAS-0309-2010. *Pertanika, UPM*.
31. Biological Assessment of Water Pollution Using Periphyton Productivity and Standing Crop in a Disturbed Tropical basin, Malaysia. *The ASM Science Journal. Manuscript No. ASMSJ/138BS/8/10(Nat)*. 3 September 2010
32. Heavy metals concentration in Tilapia fish (*Oreochromis niloticus*) from Bangi Area , Selangor. *Malaysian Applied Biology* manuscript no 6 18 November 2010.
33. Biological assessment of water pollution using periphyton productivity and standing crops in Tropical River Basin, Malaysia Article ASMSJ/138BS/8/10(Nat)

7. Supervision (supervisor/supervisory committee)

A. Doctor of Philosophy (PhD.)

1. Sow Ai Yin (Malaysia). Biology and Ecology of Swamp Eel from Tumpat Kelantan. (2010-).
2. Gufran Kadhim Abdulkareem (Iraq). Analysis infected bacteria in human feces (2013-
3. Mohammed Ali Ahmed Al-Janaydeh (Jordan). Studies on biochemical responses to heavy metals in common myna and house crow (2013-
4. Mohd Faid Abdul Rahman (Malaysia). Adaptability of released Milky Storks and their habitat quality in Kuala Gula, Perak. (2013-

5. Amani Mohammed Nasser Ahmed (Yamen). Heavy metals in coastal cat fishes and their histological effects. (2013-
6. Sohana Shabnam (Bangladesh). Bioremediation of domestic wastes using mixspecies of algae. (2012-
7. Akhlily Farhana Hazizan (Malaysia). Studies on the biochemical responses of Java Medaka towards Environmental Pharmaceutical and Personal Care Product (EPPP). (2011-).
8. Udechukwu Bede Emeka (Nigeria) Sungai Puloh mangrove system as functional filter for inland input of heavy metals. (2011-)
9. Kamarul Ariffin Kambali@Hambali (Malaysia). Ecological conflicts of *Macaca fascicularis*, other primates and human being an Kuala Selangor Nature Park. (2010-)
10. Rina Sharlinda Hj Zabri (Malaysia). Correlation between the population of intertidal mollusc with heavy metals concentration along the Selangor-Negeri Sembilan Coastline (2010-)
11. Jafaru M. Ahmed (Nigeria). An assessment of biochemical responses in tilapia and medaka to vanadium and nickel (2009-)
12. Abolfazl Naji (Iran). Assessment of Hazardous chemicals pollution and effects on indicator organisms (fish) in Kelang River (2008-2012)
13. Ferdaus Mat Yusof (Co-supervisor-Tokyo University). Imposex and tributyl tin in *Thais sp.* (2008-2011).
14. Syaizwan Zahmir Zulkifli (Co-Supervisor- Tokyo University). Heavy metals in mangrove food webs (2008-2010)
15. Daryoush Khodadoust (Iran). Assessment of java medaka as an indicator fish for TBT contamination and its biochemical responses (2008-2012)
16. Tijjani Rufa'l Buhari (Nigeria). Studies on heavy metals in mudskipper and its biochemical response to heavy metals toxicity (2008 -2012)
17. Shahrizad Yusof (Malaysia). Studies on effects of endocrine disruptors on early development of java medaka (2007-)
18. Parvaneh Hajeb (Iran) (Co-Supervisor) Methyl mercury and total mercury contamination in fish products and its reduction through process control. (2006-2009)
19. Tooraj Sohrabi (Iran) An assessment of heavy metals pollution in South Caspian Sea, Iran. (2006- 2011)
20. Romeo M. Lomoljo (Phillipines) Studies on Migratory Shore birds in Kuala Gula Perak and its relation to feeding habitat and food quality. (2006 –2010)
21. Bintal Amin (Indonesia) Heavy metals uptake in intertidal mollusc along Riau-Dumai Coastline, Sumatera, Indonesia (2003-2009)
22. Ali Reza Shahafeh (Iran) Accumulation and toxicological studies of heavy metals (Pb, Cu, Zn, Cd) in Black Tiger Prawn (*Penaeus monodon*). (2001-2007)
23. Khalid Marol Riak (Sudan) An ecological assessment of wetland habitats utilised by migratory shorebirds at Kapar, Pantai Remis and Kuala Selangor Nature Park, Malaysia. (2000-2004)
24. Yap Chee Kong (Malaysia) The assessment of Green-lipped Mussels, *Perna viridis* Linnaeus as biomonitoring agent for heavy metals Cd, Cu, Pb, Hg and Zn in the west coast of Peninsular Malaysia. (1999-2003)
25. Ali Dodolahi Sohrab (Iran)(co-supervisor) A study on the potential of using seaweed as biomonitoring indicator in Kish Island, Iran. (1999-2003)
26. Katayon Saed (Iran) Ecotoxicology of heavy metals (Pb, Cu, Zn and Cd) in flat tree Oyster (*Isognomon alatus* (Gmelin)) from Sepang River, Malaysia(1998 -2001)
27. Mohamad Pauzi Zakaria (Ronpaku program as home supervisor) Distribution, Sources, and Transport Pathways of Petroleum Hydrocarbons in Malaysian Rivers, Estuaries, and the Straits of Malacca. (1997-2002)

28. Zaleha Kasim (Malaysia) Taxonomy and some ecological aspects of meiobenthic harpacticoid copepodes in coastal water of Peninsular Malaysia. (1996-2000)
29. Mohamad Irsyad Arshad (Pakistan)(co-supervisor) Some ecological studies on red jungle fowls *Gallus gallus spadiceus* in agricultural area(1995-1999)
30. Ibrahim Jaafar (Malaysia) Some Life History , Population and Feeding Aspects of Two Paddy Field Frogs, *Rana cancrivora* Gravenhorst and *Rana limnocharis* Boie(1990-1995)

B. Master Science (M.Sc.)

1. Noor Syamila Bte Ramdan (Malaysia). Diversity of dragon flies in Sungai Karang Swamp forest Selangor (2013).
2. Nur Atiqah Binti Tahir (Malaysia). Ranging behavior of silver leaf monkeys in Kuala Selangor. (2013).
3. Almahrouqi Hafidh Ali Saif. Improving of Spirulina culture for commercial purposes (2013).
4. Usman Sadiq Abubakar (Nigeria). Aseessment of mercury contamination in Kapar River, Kelang Selangor (2012-).
5. Hishamuddin Hamdan (Malaysia). Genetic variation in Java Medaka collected from several estuaries of the west coast of Peninsular Malaysia. (2011-)- change faculty and supervisor.
6. Syazana Mohamad Isa (Malaysia). Behavioral responses of Java Medaka towards domestic effluent. (2011-)
7. So Ai Yin (Malaysia) Ecology of Asian Swamp Eel in rice fields of Kelantan and their heavy metals content (2010-converted to PhD.).
8. Siti Zaiton Mohd Lajis (Malaysia). Java medaka early embryonic responses towards heavy metals pollution and estradiol. (2010-).
9. Amir Hussein Salehi (Iran). Heavy metals in rice field from Setiu, Terengganu (2010-)
10. Udechukwu Bede Emeka (Nigeria) Heavy metals in food webs system of mangrove ecosystem (2008-2011)
11. Nurul Hudha Mohd Jamil (Malaysia) Homerange, breeding and behaviour of hornbills in Sungai Karang Selangor (2008-2012)
12. Nurul Adilah Md Badroldin Heavy metals and nutrient levels in Sungai Tinggi as an input to coastal mudflats in the estuary (2008-2012)
13. Mohd. Faid Abdul Rahman Nesting competition between herons species in Putrajaya (2008-2012)
14. Intan Nurlensha Baharum (Co-Supervisor) Ectoparasite of small mammals around human settlements in Kuantan Pahang (2007-)
15. Franklin Brendah Edward Thomas (Co-supervisor) Heavy metals concentration in different soft tissues of mollusks collected from Peninsular Malaysia (2006-2009).
16. Elsie Yee Yoke Sim (Co-supervisor) Identification of genetic diversity in Milky Storks (*mycteria cinerea*) and Painted Storks (*mycteria leucocephala*), in Wildlife Reserved Areas in Malaysia using the PCR Microsatellite, PCR-RAM and PCR-RAPD. (2006-2012)
17. Pang Bin Huan(Co-supervisor) Ecotoxicological studies of heavy metals in *Pomacea sp.* (2006-2009)
18. Cheng Wan Hee(Co-supervisor) Distribution of heavy metals in *Nerita lineata* collected from the west coast of Peninsular Malaysia (2006-2009)
19. Chiu Poon Kuen Heavy metals pollution in urban lakes of Klang Valley. 2005-2009
20. Mohd. Ikram Mohamad Heavy metals uptake in *Dotilla sp.* and *Uca sp.* From the west coast of Peninsular Malaysia. (2004-2009)

21. Syaizwan Zahmir Zulkifli Diversity, density and distribution of birds in KLIA and adjacent areas (2002-2006)
22. Firdaus M. Yusof Imposax in *Thais sp.* Along the West Coast of Peninsular Malaysia (2002-2006).
23. Shahrizad Yusof . Heavy metals cycle in fish cage environment of Linggi Estuary 92000-2005)
24. Nik Mohd. Shibli Nik Jaafar. Heavy metals uptake in *Acasia sp.* Growing on landfill site (1999-2003).
25. Yap Chee Kong. Accumulation and distribution of heavy metal in green-lipped mussel *Perna viridis* (Linnaeus) from the west coast of Peninsular Malaysia. (1998-1999)
26. Katijah Kader Batcha. Studies on Heavy Metals in Coastal Ecosystem of Negeri Sembilan and Selangor. (1989-1996).
27. Yogavaeni Vengidason. Expert system for predicting Cd pollution. (1996-1997).

8. Thesis Examiner/Chairman Examination Committee

1. Farhad Hosseini Tayefeh (GS20017). 2013 PhD/UPM. Breeding biology and diet of an assemblance of water birds species in the islands of the Persian Gulf.
2. Norliza Zakaria 2013/MSc UKM. Perubahan Aras Kepekatan Radionuklid Tabii dan Unsur Surih dalam Tisu Ikan Siakap (*Lates calcarifer*) Sangkar di Semeanjung Malaysia.
3. Azema Ibrahim 2013/MSc UPM. Reproductive Pattern of Dog-faced Fruits Bat *Cynopterus brachyotis* in Bintulu Sarawak.
4. Azimah Binti Abd Rahman 2013/PhD USM Aplikasi Sistem Maklumat Geografi (GIS) Dalam Pemodelan Habitat Burung Hijrah: Satu Kajian Kes Hutan Simpan Matang Perak.
5. Nik Mohd Shibli Nik Jaafar 2013/PhD UPM. Evaluation of *Acacia mangium* and *Melaleuca cajuputi* as phytoremediators of heavy metals in sewage sludge contaminated soils.
6. Ong Ghim Hock 2012/PhD UPM. Assessment of *Centella asiatica* as a biomonitor of trace metals pollution in Malaysia. (Chairman of Examination Committee).
7. Yan Yi Wei 2012/PhD UPM. Enzyme activities and enhancement of plant nutrient content in vermicompost.
8. Sayedeh Belin Tavakoly Sany (SHC080071) 2012/PhD UM. Evaluation of ecological risk based on the sediment and water quality in Klang Strait, Malaysia.
9. Lubna Alam 2012/PhD UKM. Radioecology of Polonium-210 in Kapar Coastal Area and Risk Assessment of Seafood Consumption.
10. Bahi Jalili Seh Bardan 2012/PhD UPM. Bioleaching and absorption of heavy metals from gold mine tailings by *Aspergillus fumigates*.
11. Khairul Adha bin A. Rahim 2012/PhD UPM. Diversity, Ecology and Distribution of Non Indigenous Freshwater Fish in Malaysia.
12. Teng Suk Kuan 2012/MS. UPM. Ecology and Cast Properties od Soil Dwelling Earthworm *Metaphire Tschiliensis Tschiliensis*.
13. Tina Rezaie Matin 2011/MSc. UKM. Biomimetics of nanostructures concerning structural colours.
14. Saber Ghasem 2010/PhD UPM. Population of Waders and seabirds in two different mangrove types: *Avecinia* and *Rhizophora*, in Iran.
15. Babay Asih Suliasih 2010/MSc. UKM. Toxicity identification evaluation of landfill leacheate contaminats taking a multi species approach.
16. Majid Ajorlo 2010/PhD. UPM. Environmental impacts of animal grazing in pasture-based livestock production systems.

17. Sharifah Mohamad Sharif 2010/M.Sc. UKM. Potensi teknik biosensor dalam penilaian pencemaran logam berat dengan menggunakan chironomid air tawar.
18. Aini Azura Ali 2010/M.S. UPM. Cadmium and Zinc levels in the soils and oil palm tissues from long-term application of phosphate rock fertilizers.
19. Muhammad Nawaz Rajpar 2010/PhD. UPM. Avifauna composition and its habitat in freshwater wetland ecosystem.
20. Arezoo Sanei 2010/M.S. UPM. Leopard (*Panthera pardus*) population size and occupancy modeling in a secondary forest of Air Hitam forest reserve.
21. Fauziah Hanum Bt Abdul Ghani 2010/PhD UPM. "Knowledge-based system for river water quality management"
22. Rina Sharlina Hj Zabri. 2010/M.S. UIA. Accumulation of selected heavy metals (Zn, Pb, As and Hg) in some marine fishes from Straits of Malacca, Malaysia.
23. Choong Chee Choy. 2009/MS.UKM. Corak Taburan ⁷Be dan ²¹⁰Pb Di Kapar dan Kuala Selangor.
24. Hossein Varasteh Moradi. 2009/PhD UPM. Under storey Bird Community and Micro-Environment and Isolated Rainforest of Malaysia.
25. Maznah Mahali. 2009/PhD UPM . Hubungan Di antara Kualiti Air Sungai dan Perubahan Guna Tanah: Satu Kajian Kes Di Sungai Nerus dan Sungai Berang, Terengganu.
26. S.M. Nurul Amin. 2008/PhD UPM. Biology, Population Dynamic and Stock Assessment of Sergestid Shrimps of *Acetes* (Decapoda:Sergestidae).
27. Zaidi Che Cob. 2008/PhD UPM. Biology and Ecology of *Strombus canarium* Linnaeus, 1758.
28. Wee Pou Lis. 2008/M.Sc.UPM. Earthworm diversity and integrated assessment of heavy metals (lead, cadmium, copper and zinc) highway pollution in UPM pasture land: accumulation in soil, grass and earthworm.
29. M.P. Sridhar. 2007/PhD. Univ Madras India. Protective Role of *Hygrophila auriculata* (Schum) against mercuric Chloride induced nephrotoxicity in rats.
30. Cik Azlina binti Shafie. 2007/M.Sc UKM. Fluktuasi Aktiviti Nuklid Torium Tabii Di Persisiran pantai kapar, Selangor.
31. Mehdi Mohammadi. 2007/PhD. UPM Genetic Diversity, Phylogenetics of selected Malaysian gobies and the effects of petroleum hydrocarbon pollutants
32. Hani Kartini bt Agustar. 2007/M.Sc. Univ. Malaya. A Study on the Sub Lethal Effects of Benzo(A) Pyrene on *Tilapia (Oreochromis mossambicus)*.
33. Vikrant John Vedamanikam. 2006 PhD KUSTEM. A Comparative Toxicity of Nine Heavy Metals in Two Aquatic Dipran Larvae
34. Sharifah Nur Rahimah Syed Alias. 2006/M.S. U.K.M.. Penentuan Aras Pencemaran Logam Berat Dalam Kerang, *Anadara granosa* L. Di Malaysia.
35. Phang Feong Kuan. 2006/M.S.U.K.M. Biogeokimia ²¹⁰Po/²¹⁰Pb dalam persekitaran marin.
36. Sofia. 2005/M.S.U.S.M. Kajian pencemaran logam berat dalam ikan dari pantai Aceh, Indonesia dan Pulau Pinang dan Taiping, Malaysia.
37. Faizah Sariman. 2005/M.S. Univ. Malaya A Comparative Study of Selected Nutrients and Phytoplankton Distribution in Tasik Taman Jaya, Petaling Jaya and Tasik Ampang, Kuala Lumpur
38. Muralind Haran 2004/PhD Univ. Madras, India Pharmacological, Biochemical and Toxicological Studies on Extracts and Active Principles Derived from the aerial Parts of *Ocimum basilicum* Linn
39. Ouzani Mourad 2004/MSc Univ. Malaya Bioavailability and bioaccumulation of heavy metals by *Phragmites karka* and *Lepironia rticulate* in Putra Jaya Wetlands.
40. Jasrul Nizam Yahaya. 2004/M.S. UPM Indeks Kualiti Air (*DOE-WQI*) dan perkaitannya dengan kekeruhan bagi kajian kes pembinaan lebuhraya pantai timur di Pahang

41. Mohd. Naim 2004/M.S. UPM Ecology of Barn Owl, *Tyto alba* in the Tanjung Karang Ricefield Area
42. Noor Ellyza Ariffin 2003/M.S. U.P.M. Habitat requirements of understorey bird in tropical forest
43. Tee Lee Theng. 2003/M.S. U.K.M. Aktiviti Polonium-210 dan Plumbum-210 dalam persekitaran marine
44. Ahmad Husin Alias. 2003/M.S. USM. Habitat mikro dan taburan ikan bilis (*Stolephorm sp.*) di ekosistem hutan paya bakau Larut Matang
45. George Franklin Berryhill Jr. 2003/M.S. USM Habitat factors affecting the abundance and distribution of *Neolissochilus soroides* and *Poropuntius deauratus* in low order, tropical mountain streams.
46. Nor Aznan Haji Mahmood. 2003/M.S. UPM. Kajian Perancangan dan Pengurusan Sumber Pendidikan Alam Sekitar Di Sekolah Menengah: Persepsi Guru dan Pembinaan Modul Ekosistem Bakau.
47. Meii Mohamad Norizam. 2001/M.S.USM. Dinamik Pengrekrutan Larva Ikan Di Taman Laut Pulau Payar, Kedah, Malaysia.
48. Sundai a/k Silang. 2001/M.S.UPM. Primate population in logged and primary forests of Sungai Lalang Forests Reserve, Selangor
49. Mohd Yunus Abd Shukor. 2001/Ph.D, UPM. Studies on the reduction of the heavy metal molybdenum by the bacterium *Enterobacter cloacae* strain 48.
50. Mohamad Ali Abdussalam M. Kotela. 2000/M.Sc. USM. A comparative study on the distribution of frogs population in several disturbed habitat.
51. Loh Pei Sun. 2000/M.Sc. Unimas. Biomonitoring of heavy metals using fresh water mollusks.
52. Azura Alim. 2000/M.Sc. UPM. Distribution of Dinoflagellates in the Straits of Malacca.
53. Siti Nor Jamilah Ramzi. 1997/M.Sc USM. Penggunaan moluska tempatan sebagai penunjuk pencemaran logam surih.
54. Dukimat Lihan. 1996/ M.Sc.UKM. Kesan pendedahan penduduk Kota Kinabalu terhadap logam berat melalui makanan.

9. Other information.

1. Pengalaman

(Jawatan-jawatan yang pernah disandang/ tahun jawatan disandang/ tempat bertugas sewaktu menyandang jawatan)

- a. Felo kolej Tun Perak, Universiti Putra Malaysia, 1989-1996
- b. Penyelaras Program Matrikulasi – Biologi, Universiti Putra Malaysia, 1990
- c. Timbalan Pengarah, Pusat Pengajian Matrikulasi UPM, 1997-2000
- d. Pengetua Kolej Ketiga Belas, Universiti Putra Malaysia, 2001-2004
- e. Timbalan Dekan, Fakulti Sains Pertanian dan Makanan, UPM Kampus Bintulu, 2005
- f. Ketua Jabatan Biologi, Fakulti Sains Universiti Putra Malaysia, 2011-2014
- g. Ahli Senat UPM 1997-2000 dan 2011-2014.
- h. Wakil senat dalam Jawatankuasa Pengajian Siswazah Universiti, Kurikulum University, Peperiksaan professional Perubatan Universiti 2011-2014.
- i. Ahli Lembaga Koperasi Universiti Putra Malaysia, 2011-2013
- j. Pengarah Kedai Buku Koperasi UPM, 2011-2013

- k. Ahli Jawatankuasa Kebajikan Universiti Putra Malaysia 2011-2013
- l. Ahli Jawatankuasa Kesihatan dan Keselamatan Pekerja Universiti Putra Malaysia 2011-13
- m. Ahli Jawatankuasa Induk Makanan Universiti Putra Malaysia 2012
- n. Pengerusi Jawatankuasa Rayuan Pilihanraya Pelajar UPM 2012
- o. Ahli jawatankuasa orientasi pelajar sepanjang menjadi felo dan pengetua kolej, 1989-1996; 2000-2005.
- p. Berbagai AJK induk dan kecil semasa menjawat jawatan Timbalan Pengarah Pusat Pengajian Matrikulasi UPM dan Pengetua Kolej Ketiga Belas UPM, 1997-2005.
- q. Penyeliaan Latihan Mengajar Pelatih Guru mengajar di sekolah-sekolah sekitar Negeri Sembilan, Negeri Selangor, Wilayah Persekutuan dan Melaka, 1995-2010.
- r. Ketua penyelidik kepada tidak kurang dari 20 projek penyelidikan melebihi 1 juta ringgit sepanjang kerjaya di UPM, 1990-sekarang.
- s. Penyelaras kursus-kursus berkaitan ekologi, ekologi hidupan liar, ekotoksikologi, penyelidikan lanjutan dalam biologi yang terkini sejak 1990.
- t. Pengerusi dan setiausaha penganjuran beberapa seminar dan konferens peringkat universiti, kebangsaan dan antarabangsa, 1992-2013.
- u. Penyelidik Pelawat dalam bidang sains marin di The University of Tokyo, Kagoshima University, Ehime University, dan beberapa lagi university di Jepun, 1996-2011.
- v. Academy Science Malaysia (ASM) Associate 2012-2013.
- w. Tutor UPM Kampus Semenggok, Kuching, Sarawak 1981-1982.
- x. Pelajar PhD University of Essex 1982-1986.
- y. Pensyarah (1987-1996), Profesor Madya (1996-2008), Profesor (2008-sekarang).
- z. Penguasa Kanan Kastam, Kastam Eksais Di Raja Malaysia di Pulau Pinang, 1982.

2. Sumbangan

(Sama ada dalam pergerakan masyarakat/ pertubuhan/Profesional/sukan/kebijakan/ sosial/agama di peringkat tempatan/antarabangsa)

- a. Presiden, Persatuan Pegawai Akademik UPM 2011-2015.
- b. Setiausaha Agung Persatuan Ekologi Malaysia 1992-1993
- c. Ahli Majlis Persatuan Pecinta Alam Malaysia (MNS) 2010-2012
- d. Naib Presiden, Persatuan Pecinta Alam Malaysia (MNS) 2012-2014
- e. Ahli Majlis Persatuan Zoologi Malaysia, 2003-2009
- f. Naib Presiden Persatuan Zoologi Malaysia, 2007-2009
- g. MAPIN (Membar Pemuafakatan Ibumaba Nasional), 2010/11.
- h. AJK Persatuan Ibumaba dan Guru (PIBG) Sekolah Kebangsaan Seri Selangor, 2000
- i. Timbalan Pengerusi PIBG Sekolah Kebangsaan Seri Selangor 2008/9
- j. Pengerusi PIBG Sekolah Kebangsaan Seri Selangor, USJ4 Subang Jaya 2010-2013 dan Pengerusi PIBG Sekolah Menengah USJ4, Subang Jaya 2000-2002
- k. Wakil Penduduk Persatuan Penduduk Zon 2 Majlis Perbandaran Subang Jaya (MPSJ) 2005-2008.
- l. Penasihat dan fasilitator Briged Penyelamat Sungai Puncak Niaga 2008-2010

- m. Ahli Kumpulan Pemikir Pembangunan Pendidikan Sains dan Teknologi Negeri Selangor Ahli Majlis Mesyuarat Kerajaan Negeri Selangor Y.B. Dato' IR. Lum Weng Keong 2002
- n. Ahli Jawatankuasa Bagi Pengerusi Tetap Kebajikan, Kebudayaan dan Hal Ehwal Wanita, YB Datin Paduka Hajjah Seripah Noli Syed Hussin 2004.
- o. Penasihat dan fasilitator program di Kompleks 3C (Children Creative Centre) Majlis Perbandaran Subang Jaya, 2006-2008.
- p. Penasihat dan fasilitator aktiviti pendidikan alam sekitar anjuran Petrosains (2008-2012) dan Malaysian Nature Society (MNS) (2008-2014).
- q. Ketua Program konservasi burung enggang di Sungai Panjang Sabak Bernam, Selangor. Mendapat liputan surat khabar (The Star) beberapa kali, 2005-sekarang.
- r. Ketua Program konservasi burung upeh di Kuala Gula, Perak. (Mendapat Liputan Utusan Malaysia), 2008-sekarang.
- s. Perunding Wetland Putrajaya (wildlife) 2007-2008
- t. Perunding kepada Petronas ESIM (wildlife in coastal environment) 1988-1990
- u. Penceramah siri motivasi sains kempen 60:40 Sains:Sastera di sekolah-sekolah Negeri Sembilan, Negeri Selangor, Melaka dan Kedah, 2000-2002.
- v. Penasihat, fasilitator dan penceramah kepada banyak siri pendidikan alam sekitar anjuran MNS dan kerjasama pihak swasta (Denso, Telekom Malaysia, Coca cola, Ricoh, dan lain-lain), 2008-sekarang)
- w. Menyumbang idea dalam program television TV3, TV Bernama , RTM, Utusan Malaysia, Berita Harian, Sinar, The Star, The Straits Time dalam bidang berkaitan alam sekitar, alam semulajadi dan kesannya kepada manusia dan hidupan liar.
- x. Menilai artikel untuk terbitan jurnal tempatan dan antarabangsa.
- y. Lembaga Editor jurnal saintifik EnvironmentAsia dan Walailak Journal of Science and Technology (WJST), Thailand, Malayan Nature Journal dan Acta Biologica Malaysiana (abm).
- z. Pemeriksa tesis masters dan PhD calon dari Malaysia dan luar negara.

3. Penghargaan

(Yang pernah diterima daripada institusi-institusi tertentu atau Kerajaan di peringkat tempatan/antarabangsa)

- a. Faculty of science UPM Management and Administration Awards 2013
- b. Vice Chancellor's Fellowship (Professional Services) Award 2012.
- c. UPM Excellence Service Award 2010
- d. Research Findings Award (PRPI) UPM.
- e. Khidmat Setia 20 tahun UPM 2008
- f. Pelbagai penghargaan kepada banyak aktiviti dan jawatankuasa di peringkat universiti dan fakulti
- g. Pelbagai penghargaan khidmat nasihat masyarakat di peringkat pejabat pendidikan daerah, sekolah dan komuniti berkaitan alam sekitar dan peningkatan profesionalisma guru sains di Negeri Selangor dan Negeri Sembilan, 2000-2003.
- h. Penghargaan dan Terima Kasih dari Polis Shah Alam 2004 kerana bersama-sama menganjurkan siri aktiviti bersama polis membentaras jenayah.
- i. Penghargaan dari Kementerian Pembangunan Wanita, Keluarga dan Masyarakat kerana terlibat dalam memerangi gejala sosial dalam era tanpa sempadan 2004.