

CURRICULUM VITAE (CV)



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)					
NAMA (<i>Name</i>)	AMIR HAMZAH SHARAAI	NO.KP	721108 08 6193	NO.STAF	A03936
JABATAN / FAKULTI (<i>Department / Faculty</i>)	EMEL DAN TELEFON (<i>Email and Telephone</i>)				
Department of Environment Faculty of Forestry and Environment Universiti Putra Malaysia 43400 UPM Serdang Selangor Darul Ehsan		EMAIL : amirsharaai@upm.edu.my amirsharaai@gmail.com TEL : +603 - 8946 8031 (Office) 013 5000242 (mobile)			

B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)			
NAMA SIJIL/ KELAYAKAN <i>Certificate / Qualification Obtained</i>	NAMA INSTITUSI <i>Name Of Institution</i>	TAHUN <i>Year</i>	BIDANG PENGKHUSUSAN <i>Area Of Specialization</i>
Doctor of Philosophy (PhD)	University of Malaya (UM)	2011	Environmental Management
Master of Education (MEd)	Universiti Pendidikan Sultan Idris (UPSI)	2005	Biology Education
Bachelor of Education (Hons) (BEd)	Universiti Sains Malaysia (USM)	2001	Biology Education
Certificate of Teacher Training	Maktab Perguruan Persekutuan Pulau Pinang (MPPPP)	1993	Early Childhood Education

C. KEMAHIRAN BAHASA (<i>Language Proficiency</i>)				
Bahasa / <i>Language</i>	Lemah / <i>Poor</i>	Sederhana / <i>Moderate</i>	Baik / <i>Good</i>	Amat Baik / <i>Very good</i>
Melayu / <i>Malay</i>				X
Inggeris / <i>English</i>		X		
Lain-lain (<i>other</i>):				

D. PEKERJAAN (<i>Employment</i>)				
MAJIKAN <i>Employer</i>	JAWATAN <i>Designation</i>	JABATAN <i>Department</i>	TARIKH LANTIKAN <i>Start Date</i>	TARIKH TAMAT <i>Date Ended</i>
Ministry Of Education	Teacher (Science & Math)	Sek. Keb. Sungai Ramai, Ayer Tawar, Perak	1993	2001
Ministry Of Education	Teacher (Biology & Science)	Sek. Men. Keb. Methodist, Ayer Tawar, Perak	2001	2010
Ministry Of Education	Lecturer (Biology & Education)	Institut Pendidikan Guru, Kampus Tuanku Bainun, Bukit Mertajam	2010	2012
Universiti Putra Malaysia (UPM)	Senior Lecturer (Env. Management)	Department Of Environmental Management, Faculty of Environmental Studies, UPM	1 ST JUNE 2012	PRESENT

E. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific Experience and Specialization</i>)				
ORGANISASI <i>Organization</i>	TUGAS <i>Position</i>	TARIKH MULA <i>Start Date</i>	TARIKH TAMAT <i>End Date</i>	BIDANG KEPAKARAN <i>Expertise</i>
SIRIM	Jawatankuasa Standard Perindustrian Pengurusan Alam Sekitar (ISC Z)	1 Jan 2017	31 Dec 2019	Environmental Management Systems
Journal of Tourism, Hospitality and Environmental Management (JTHERM)	Editor	1 Nov 2016	31 Oct 2017	Life Cycle Assessment (LCA) Environmental Management
Panel Penilai Universiti bagi Program Pengajian	Panel of Assessor	01 Sept 2016	30 Aug 2018	Audit bagi mengekalkan status swaakreditasi
Panel Penilai Universiti bagi Program Pengajian	Panel of Assessor	01 Sept 2014	30 Aug 2016	Audit bagi mengekalkan status swaakreditasi
Society of Environmental Toxicology and Chemistry (SETAC)	Member	2013	2014	Life Cycle Assessment (LCA)

F. ANUGERAH DAN HADIAH (Honours and Awards)				
Name of awards	Title	Award Authority	Award Type	Year
Academic Awards	PENDEKATAN PNP CELIK KITAR HAYAT DALAM KALANGAN PELAJAR DAN GURU – Pertandingan Amalan Inovasi Penyelidikan, Karnival Inovasi@UMT 2021	UMT	GOLD	2021
	PicTL2020 – poster competition [academic poster PicTL109]	UPM	GOLD	2020
	PicTL2020 – poster competition [academic poster PicTL042]	UPM	SILVER	2020
	Anugerah Perkhidmatan Cemerlang	UPM	FPAS	2019
	Anugerah Perkhidmatan Cemerlang	UPM	FPAS	2018
	Anugerah Penerbitan Buku – Hari Kualiti 2017	UPM	FPAS	2017
	Anugerah Kecemerlangan Pengajaran dan Pembelajaran – Hari Kualiti 2017	UPM	FPAS	2017
	Anugerah Inovasi Pendidikan – Hari Kualiti 2017	UPM	FPAS	2017
	Anugerah Perkhidmatan Cemerlang	UPM	UPM	2016
	Geran Sanjungan Penyelidikan Tajuk Penyelidikan: Identifying environmental hotspot on rice commodity system by using life cycle assessment (LCA) and environmental life cycle costing (ELCC) to ensure sustainable Malaysia Food Security. RM3644	UPM	National	2015
Anugerah Perkhidmatan Cemerlang	UPM	UPM	2013	
Non-Academic Awards	Peserta Terbaik Pertandingan Amalan 5s (Ruang Kerja Individu) – Hari Kualiti 2017	UPM	FPAS	2017
Awards of Merit				

G. SENARAI PENERBITAN (List of Publication)

JOURNAL	
JOURNAL TITLE [CLICK LINK FOR DETAIL]	YEAR
Wafa, W., Sharaai, A. H., Matthew, N. K., Ho, S. A. J., & Akhundzada, N. A. (2022). Organizational Life Cycle Sustainability Assessment (OLCSA) for a Higher Education Institution as an Organization: A Systematic Review and Bibliometric Analysis . <i>Sustainability</i> , 14(5), 2616.	2022
Sining, M., Sharaai, A. H., & Wafa, W. (2022). A study of social well-being among university students . <i>The International Journal of Life Cycle Assessment</i> , 1-13.	2022
Abdullah, S., Ayub, A. F. M., & Sharaai, A. H. (2021). Critical Success Factors of Knowledge on Sustainability in Malaysian Higher Education . <i>Turkish Journal of Computer and Mathematics Education</i> , 12(5), 74-83.	2021
Fatima, S., Ash'aari, Z. H., Ramli, M. F., Sharaai, A. H., & Chaudhry, M. N. (2021). COMPARISON OF LANDFILL SITE SUITABILITY ASSESSMENT USING AHP AND FUZZY AHP METHODS . <i>Journal of Solid Waste Technology & Management</i> , 47(4).	2021
Rajendran, N. A., Jimi, Q. L. A., & Sharaai, A. H. (2021). Contribution of Life Cycle Knowledge towards Environmental Performance of ISO 14001 Certified Malaysian Companies: Analysis of ISO 14001 and Selected Life Cycle Management Tools . <i>Pertanika Journal of Social Sciences & Humanities</i> , 29(4).	2021
Kok, S. L., Lee, W. J., Smith Jr, R. L., Suleiman, N., Jom, K. N., Vangnai, K., ... & Chong, G. H. (2021). Role of virgin coconut oil (VCO) as co-extractant for obtaining xanthenes from mangosteen (Garcinia mangostana) pericarp with supercritical carbon dioxide extraction . <i>The Journal of Supercritical Fluids</i> , 176, 105305.	2021
Sobri, F. A. M., Ariffin, M., & Sharaai, A. H. (2021). Systematic Review of Public Acceptance of Solar Policies: A Conceptual Framework of Policy Acceptance . <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 81(2), 36-51.	2021
Rezaei Kalvani, S., Sharaai, A. H., & Abdullahi, I. K. (2021). Social Consideration in Product Life Cycle for Product Social Sustainability . <i>Sustainability</i> , 13(20), 11292.	2021
Labib, O. A., Manaf, L., Sharaai, A. H., & Zaid, S. S. M. (2021). Understanding the Effect of Internal and External Factors on Households' Willingness to Sort Waste in Dammam City, Saudi Arabia . <i>International Journal of Environmental Research and Public Health</i> , 18(18), 9685.	2021
Jalam, A. M., Sharaai, A. H., Ariffin, M., Zainudin, N., & Musa, H. D. (2021). Closing the policy-practice gaps in Nigeria's desertification interventions: a qualitative document analysis of sustainable practice . <i>Journal of Environmental Policy & Planning</i> , 23(3), 381-398.	2021

Omran, N., Sharaai, A. H., & Hashim, A. H. (2021). Visualization of the Sustainability Level of Crude Palm Oil Production: A Life Cycle Approach . <i>Sustainability</i> , 13(4), 1607.	2021
Kamal, N. I. A., Ash'aari, Z. H., Abdullah, A. M., Kusin, F. M., Mohamat Yusuff, F., Sharaai, A. H., ... & Mohd Ariffin, N. A. (2021). Extreme heat vulnerability assessment in tropical region: a case study in Malaysia . <i>Climate and Development</i> , 1-15.	2021
Moderating effects on residents' willingness in waste sorting to improve waste handling in Dammam city, Saudi Arabia O Labib, L Manaf, AH Sharaai, SSM Zaid - <i>Recycling</i> , 2021	2021
Closing the policy-practice gaps in Nigeria's desertification interventions: a qualitative document analysis of sustainable practice AM Jalam, AH Sharaai, M Ariffin, N Zainudin, HD Musa <i>Journal of Environmental Policy & Planning</i> , 1-18	2020
Review On Water Footprint Method In Different Sectors SR Kalvani, AH Sharaai, L Abd Manaf, A Hossein	2020
The water footprint of soy sauce AH Sharaai, ND Ismail <i>Journal of Wastes and Biomass Management (JWBM)</i> 2 (1), 01-04	2020
Effectiveness of board game and infographics on delivering life cycle assessment (lca) concepts among secondary school students AH Sharaai, NM Shah, L Zulkipli <i>Journal of Wastes and Biomass Management (JWBM)</i> 2 (1), 05-08	2020
Uptake Of Sustainable Manufacturing Practices By Food Manufacturing Firms: A Systematic Review NA Rajendran, AH Sharaai	2020
Social Life Cycle Assessment (S-Lca) Of Cocoa Production On Local Community And Workers In Pahang, Malaysia AH Sharaai, L Zulkipli, AH Harun, AY Hui	2020
Water footprint of crop production in Tehran province SR Kalvani, AH Sharaai, L Abd Manaf, AH Hamidian <i>PLANNING MALAYSIA</i> 17 (10)	2019
Social impact evaluation of tea production using social life cycle assessment (s-lca) method in cameron highlands, pahang, malaysia AH Sharaai, KI Muhammad, YG Wah <i>PLANNING MALAYSIA</i> 17 (10)	2019
Income perspective on the factors influencing households' recycling intention: implications from the extended theory of planned behaviour MS Khalil, HY Ming, L Abd Manaf, AH Sharaai, AB Nabegu <i>PLANNING MALAYSIA</i> 17 (10)	2019
Social implications of palm oil production through social life cycle perspectives in Johor, Malaysia KI Muhammad, AH Sharaai, MM Ismail, R Harun, WS Yien <i>The International Journal of Life Cycle Assessment</i> 24 (5), 935-944	2019
Evaluation of water footprint of selected crop consumption in tehran province S Rezaei Kalvani, A Sharaai, L Manaf, A Hamidian <i>APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH</i> 17 (5), 11033-11044	2019
Assessing ground and surface water scarcity indices using ground and surface water footprints in the Tehran Province of Iran S Rezaei Kalvani, A Sharaai, L Manaf, A Hamidian <i>Applied Ecology and Environmental Research</i> 17 (2), 4985-4997	2019
Environmetric Study on Air Quality Pattern for Assessment in Klang Valley, Malaysia S Sahrir, AM Abdullah, Z Ponrahono, AH Sharaai	2019
Key factors for adoption of ISO 14001 by the manufacturing industry: a review paper HH Tay, M Ariffin, AH Sharaai <i>International Journal of Productivity and Quality Management</i> 25 (1), 90-107	2018
Impact of urban green space attribute on visitors' satisfaction in Putrajaya: Malaysia AS Danjaji, M Ariffin, AH Sharaai, YM Yunos <i>International Journal of Environment and Sustainable Development</i> 17 (1), 19-35	2018
Examining the moderating role of perceived lack of facilitating conditions on household recycling intention in Kano, Nigeria MS Khalil, SH Abdullah, L Abd Manaf, AH Sharaai, AB Nabegu <i>Recycling</i> 2 (4), 18	2017
Understanding The Effect Of Environmental Studies In Lifestyle By Analyzing The Awareness, Knowledge And Attitudes Of Faculty Of Environmental Studies' Students In UPM ...	2015

AH Sharaai, SZ Ibrahim, NM Nor, SM Kifli, NF Ismail, NS Samsuddin, ... Australian Journal of Basic and Applied Sciences 9 (7), 106-109	
Renewable energy policy status and challenges of POME-biogas industry in Malaysia MI Mohd	2015
To Develop a Greener Recycled Paper Production by Determining Potential Environmental Impacts through Life Cycle Perspective NF Mohd Ghazali, SY Wong, A Hamzah Sharaai Applied Mechanics and Materials 747, 269-272	2015
Determining the primary factor contributed to household carbon emission by using Structural Equation Modelling (SEM) AH Sharaai, AM Mokhtar, NW Jin, NA Azali Procedia Environmental Sciences 30, 344-348	2015
Using cluster analysis to segment students of fpas, upm based on their general knowledge of environmental issues and eco-friendly attitude N Abd Latif, NAM Narwawi, NA Aziz, A Rahmat, ND MatTalib, ...	2015
Towards A Green Quail Meat Production through Life Cycle Perspective A Hamzah Sharaai, MZ Mat Zainol, KI Bin Muhammad Applied Mechanics and Materials 747, 282-285	2015
Comparative Study between Gender in Choosing the Effective Way to Support the Go Green Campaign Among Higher Education Level Students MH Ibrahim, LS Ping, NA Asmi, NA Shamsuddin, AH Sharaai PERINTIS eJournal 4 (1)	2014
Life Cycle Assessment at a Sawmill Manufacturing Company in Terengganu, Malaysia KI Muhammad, AH Sharaai, SH Abdullah From Sources to Solution, 487-489	2014
Kajian perhubungan antara kesedaran alam sekitar dengan tingkah laku mesra alam sekitar dalam kalangan pelajar universiti; kajian kes: pelajar tahun satu universiti putra ... HA Bakar, N Abd Aziz, NAM Narwawi, N Abd Latif, NM Ijas, AH Sharaai Journal of Chemical Information and Modeling 53 (9), 1689-1699	2013
Uncovering the Relation Between Environmental Damage and the Rate of Rainfall Received Through a Life Cycle Assessment (LCA) Study on Potable Water Production in Malaysia AH Sharaai, NZ Mahmood, AH Sulaiman Sustainable Development: Authoritative and Leading Edge Content for ...	2012
Penggunaan Strip Komik bagi meningkatkan pencapaian murid dalam topik kitaran air tahun 5 LF Nee, AH bin Sharaai, JPA Sekitar, FPA Sekitar	2012
Penggunaan Peta Minda Untuk Meningkatkan Daya Mengingat Dan Minat Mengulang Kaji Bagi Pelajar Tahun 4 Dalam Topik Pembiakan Tumbuhan WL Sim, AH Sharaai Persidangan Kebangsaan Pembangunan Dan Pendidikan Lestari, 22-30	2012
Kaedah nyanyian dalam mengatasi masalah miskonsepsi dalam kalangan murid tahun 3 dalam topik magnet HA Razab, AH Sharaai	2102
Life cycle impact assessment (LCIA) using the ecological scarcity (ecopoints) method: A potential impact analysis to potable water production AH Sharaai, NZ Mahmood, AH Sulaiman African Journal of Biotechnology 11 (6), 1391-1402	2012
Life cycle impact assessment (LCIA) using EDIP 97 method: An analysis of potential impact from potable water production AH Sharaai, NZ Mahmood, AH Sulaiman Scientific Research and Essays 6 (27), 5658-5670	2011
Life cycle impact assessment (LCIA) in potable water production in malaysia: potential impact analysis contributed from production and construction phase using eco-indicator 99 ... AH Sharaai, NZ Mahmood, AH Sulaiman World Applied Sciences Journal 11 (10), 1230-1237	2010
Ozone depletion substances (ODS) emission analysis from the life cycle of chemical substances and electricity used in potable water production in Malaysia AH Sharaai, NZ Mahmood, AH Sulaiman Australian journal of basic and applied sciences 4 (9), 4286-4293	2010
Penilaian Kitar Hayat (LCA) Dan Alat Pengurusan Alam Sekitar AMH SHArAAi, STTNUSAA BAKri, SM SAid Jurnal Teknologi 53 (1), 81-100	2010
Penilaian kitar hayat suatu pengenalan	2010

SM Said, AH Sharaai, SNS Bakri Jurnal Teknologi 53 (1), 57-67	
Life Cycle Impact Assessment (LCIA) of potable water production in Malaysia: A comparison among different technology used in water treatment plant AH Sharaai, NZ Mahmood, AH Sulaiman EnvironmentAsia 3 (1), 95-102	2010
Life cycle impact assessment (LCIA) using TRACI methodology: An analysis of potential impact on potable water production AH Sharaai, NZ Mahmood, AH Sulaiman Australian Journal of Basic and Applied Sciences 4 (9), 4313-4322	2010
Decrypting the influence of river classes on the effects on the environment through life cycle impact assessment (LCIA) of water treatment processes in Malaysia AH Sharaai, NZ Mahmood, AH Sulaiman Australian Journal of Basic and Applied Sciences 4 (9), 4294-4303	2010
Life cycle assessment (LCA) in potable water production: an analysis of green house gases emission from chemicals and electricity usage in water treatment in Malaysia AH Sharaai, NZ Mahmood, AH Sulaiman Asian Journal of Water, Environment and Pollution 6 (3), 27-34	2009
Life Cycle Impact Assessment (LCIA) of potable water treatment process in Malaysia: comparison between dissolved air flotation (DAF) and ultrafiltration (UF) technology AH Sharaai, NZ Mahmood, AH Sulaiman Australian Journal of Basic and Applied Sciences 3 (4), 3625-3632	2009

CHAPTER IN BOOK

- Nur Syahirah, S., Azizah, J., and Amir Hamzah, S. (2019), *Estimating The Environmental Costs Of Fresh Pineapple Production In Johor Through Environmental Life Cycle Costing (ELCC)* Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Muhammad K.I., Mikain, MSH., and Amir Hamzah, S. (2019), *Assessing The Social Impact Of Rice Production In Malaysia Using The Social Life Cycle Assessment (Sica) Method: A Case Study In Tanjong Karang, Selangor*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Nur Nashatulazwa, M., Liyana, Z., and Amir Hamzah, S. (2019), *Effect Of Interaction Between Languages And Visual Towards Knowledge On Life Cycle Assessment Among Student Using Card Game*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Navin, B., Muhammad Salisu, K. and Amir Hamzah, S. (2019), *Modeling Of Sustainable Greenhouse Gas Emissions: A Case Study Of Crude Palm Oil Production In Gomali And Pukin Region*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Tan, JQ., Mohd Hafizuddin, S. and Amir Hamzah, S. (2019), *Cost And Environmental Performance Of Rice Production Industry Based On The Lcc And Elcc Assessments: A Case Study In Sekinchan, Selangor*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Latifah, AG., Norfaryana, M.I., and Amir Hamzah, S. (2019), *The Flow Of Phosphorus On Pineapple Cultivation By Using Material Flow Analysis (Mfa)*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Ahmad Rizal, A., Latifah, AG., and Amir Hamzah, S. (2019), *The Flow Of Phosphorus On Dairy Cattle Livestock By Using Material Flow Analysis (Mfa) In Taman Pertanian Universiti Putra Malaysia, Selangor*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Latifah, AG., Khairunnisa, B., and Amir Hamzah, S. (2019), *The Flow Of Phosphorus For Sustainable Wastewater Management In Quail Production Process*, Sabrina & Amir Hamzah Sharaai (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 2. UPM Serdang:Penerbit UPM
- Liyana, Z., Khairul Nizam, M., and Amir Hamzah, S. (2019), *Carbon To Nitrogen Ratio Analysis In Compost Product By Experimenting Feedstock And Mix Percentage Variables*, Faradiella, MK and Normala, H (Ed.). Socio-Ecological Prospects In Environmental Studies Vol 1. UPM Serdang:Penerbit UPM
- Amir Hamzah Sharaai (2012), Noor Zalina, M., and Abdul Halim, S., (2102), *Uncovering the Relation Between the Environmental Damage and the Rate of Rainfall Received Through Life Cycle Assessment (LCA) Study on Potable Water Production in Malaysia*. (Chapter in Book/Chapter 10, pg 219-236), Sustainable Development – Authoritative and Leading Edge Content for Environmental Management, InTech – Open Access Publisher, Croatia, ISBN: 978-953-51-0682-1
- Nor Fazilah Zulkifli, Noor Zalina Mahmood, Amir Hamzah Sharaai, and Nik Meriam Nik Sulaiman (2013), *The Implementation of Islamic Elements in Achieving Best Practices of Sustainability Concept*, Islamic Philanthropy for Ummah Excellence, pg 105-123,

CONFERENCE PROCEEDING

- Khairul Izzuddin & Amir Hamzah Sharaai (2014), Life Cycle Assessment at a sawmill manufacturing company in Terengganu, Malaysia, *The International conference on environmental forensics 2013; From sources to solution*, 12-13 November 2013, Mariott Putrajaya,

2. Nor Fazilah Zulkifli, Noor Zalina Mahmood, Amir Hamzah Sharaai and Nik Meriam Nik Sulaiman (2013), The implementation of Islamic elements in achieving best practices of sustainability concept, *Islamic Philanthropy for ummah excellence*, 5-7 December 2013,
3. Amir Hamzah Sharaai (2012), Penilaian Kitar Hayat Sosial (SLCA): Beberapa persoalan Penting dalam Mengiktiraf Pelaksanaannya, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
4. Amir Hamzah Sharaai (2012), Penilaian Kitar Hayat Sosial (SLCA): Perbandingan antara kaedah-kaedah sLCIA, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
5. Amir Hamzah Sharaai & Chin CK (2012), Sikap dan Amalan Murid Sekolah Rendah dalam Konsep Lestari, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
6. Hisyammudin, AR & Amir Hamzah, S. (2012), Kaedah Nyanyian Dalam Mengatasi Masalah Miskonsepsi Dalam Kalangan Murid Tahun 3 Dalam Topik Magnet, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
7. Leong, FN. & Amir Hamzah, S. (2012), Penggunaan Strip Komik Bagi Meningkatkan Pencapaian Murid Dalam Topik Kitaran Air Tahun 5, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
8. Lim, C. & Amir Hamzah, S. (2012), Perbandingan Kaedah Menggunakan Kad Permainan Dan Buku Besar Bagi Meningkatkan Pencapaian Murid Tahun 4 Dalam Topik Penyesuaian Tumbuhan Terhadap Cuaca Melampau, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
9. Tam, HT. & Amir Hamzah, S. (2012), Meningkatkan Pencapaian Dan Minat Murid Tahun 4 Dalam Tajuk Perlindungan Haiwan Daripada Cuaca Melampau, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
10. Wong, LS. & Amir Hamzah, S. (2012), Penggunaan Peta Minda Untuk Meningkatkan Daya Mengingat Dan Minat Mengulang Kaji Bagi Pelajar Tahun 4 Dalam Topik Pembiakan Tumbuhan, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
11. Yee, CH. & Amir Hamzah, S. (2102), Perbandingan Antara Kaedah Main Peranan Dan Penggunaan Kad Permainan Bagi Meningkatkan Pencapaian Dan Minat Murid Tahun Empat Dalam Tajuk Siratan Makanan, *Persidangan Kebangsaan Pembangunan dan Pendidikan Lestari*, Institut Pendidikan Guru, Kampus Tuanku Bainun, 19-20 September 2012, http://ipgktb.edu.my/lestari/kertas_kerja.htm
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13. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2008), Life Cycle Impact Assessment (LCIA) of Potable Water Treatment Process in Malaysia: Comparison between Dissolved Air Flotation (DAF) and Ultrafiltration (UF) Technology, *Third Regional Symposium on Environment and Natural Resources*, 5-6 August 2008,
14. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2008), Life Cycle Impact Assessment (LCIA) of Potable Water Production in Malaysia: A Comparison among Different Technology Used in Water Treatment Plant, *International Symposium on Environmental Management: Hazardous-Environmental Management Toward Sustainability*, 22-23 September 2008, Nakorn Nayok, Thailand. Pg 106-107,
15. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2008), Life Cycle Impact Assessment (LCIA) of Potable Water Production in Malaysia: A Comparison of Water Level Supply, *10th Symposium of the Malaysian Society of Applied Biology: Realization of Biodiversity Potentials through Applied Biology*, 6-8 November 2008,
16. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2008), Life Cycle Impact Assessment (LCIA) of Potable Water Production, *National Conference in Health and Environment 2008*, 29-30 October 2008,
17. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2008), Life Cycle Impact Assessment (LCIA) of Potable Water Production in Malaysia: A Comparison between Different River Class, *The Eight International Conference of Ecobalance: The challenge of creating social and technological innovation through system-thinking*, 10-12 December 2008, Tokyo, Japan,
18. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2007), The application of Life Cycle Assessment (LCA) in the Water Treatment Process in Malaysia, *Southeast Asia Water Forum*,
19. Amir Hamzah, S., Noor Zalina, M., and Abdul Halim, S., (2007), Potential of the application of Life Cycle Assessment (LCA) in the Water Treatment Process in Malaysia, *International Conference on Natural Resources and Environmental Management and Environmental Safety and Health 2007 (NREM 2007 & ESH)*, 27-29 November

BOOKS

1. Amir Hamzah Sharaai (2017), *Nota Statistik & SPSS Bahagian 1*. UPM Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.417.7
2. Amir Hamzah Sharaai (2017), *Nota Statistik & SPSS Bahagian 2*. UPM Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.418.4
3. Amir Hamzah Sharaai (2017), *ELCC, MFA & MFCA*. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.403.0
4. Amir Hamzah Sharaai, Mohd Armi Abu Samah & Paiman Bawon (2016), *Aplikasi Alatan Sistem Pengukuran Dalam Pengurusan Alam Sekitar: Perspektif Teori dan Praktikal*. Kuantan: Kuliyah Sains, UIAM, ISBN -978.983.41410.4.2

5. Amir Hamzah Sharaai (2016), **Jejak Air**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.381.1
6. Amir Hamzah Sharaai (2016), **Penilaian Kitar Hayat: Panduan Lengkap Menganalisis Produk**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.381.1
7. Amir Hamzah Sharaai (2016), **Penilaian Kitar Hayat Sosial: Analisis kesan sosial produk**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.383.5
8. Amir Hamzah Sharaai (2016), **Jejak Nitrogen**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.384.2
9. Amir Hamzah Sharaai (2016), **Sistem Pengurusan Kualiti Alam Sekitar**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.385.9
10. Amir Hamzah Sharaai (2016), **Analisis Kitaran Hayat: Panduan Asas Perlaksanaan Kajian**. Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN – 978.967.960.381.1
11. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Data Manipulation and Query Language**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.370.5
12. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Data Security and Recovery**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.371.2
13. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Data Mining, Warehouse and Data Mart**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.372.9
14. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Database Development Process**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.373.6
15. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: 3 Level of Data Model**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.374.3
16. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Remote Sensing**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.375.0
17. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Global Positioning System (GPS)**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.376.7
18. Amir Hamzah Sharaai, et al., (2016), **Environment IT 101: Geographical Information System (GIS)**, Serdang: Fakulti Pengajian Alam Sekitar, ISBN: 978.967.960.377.4
19. Ain Jaki & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Power of Recycle**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.387.3
20. Norfaryana Mohd Ijas & Amir Hamzah Sharaai (2016), **Environmental Education Series: From Plastic to Lovely Doll**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.388.0
21. Nur Dalila Mat Talib & Amir Hamzah Sharaai (2016), **Environmental Education Series: That's When I Knew ... Who I Am**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.389.7
22. Patmawati Samir & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Future of Plastic**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.390.3
23. Siti Azizah Jabnar & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Life of A Cupcake**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.391.0
24. Yu Jiajia & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Secret of Potato Chips**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.392.7
25. Khairunnisha Mazlan & Amir Hamzah Sharaai (2016), **Environmental Education Series: You Light My Life, Mum**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.393.4
26. Baddariah Baddarudin & Amir Hamzah Sharaai (2016), **Environmental Education Series: Love Tree**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.394.1
27. Shalil Yeoh & Amir Hamzah Sharaai (2016), **Environmental Education Series: Khalil's Comfrey Tea Fertiliser**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.395.8
28. Azrin Hashim & Amir Hamzah Sharaai (2016), **Environmental Education Series: Where It Comes From?**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.396.5
29. Noor Fatimah Abdullah & Amir Hamzah Sharaai (2016), **Environmental Education Series: What Am I?**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.397.2
30. Nor Akma Musa & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Power of Recycle**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.398.9
31. Amirah R. Abu Bakar & Amir Hamzah Sharaai (2016), **Environmental Education Series: The Malaysian Ice Cream and the Scientist**, Serdang: Fakulti Pengajian Alam Sekitar, UPM, ISBN: 978.967.960.399.6

Other publications

Computer software

H. PROJEK PENYELIDIKAN TERDAHULU (*Past Research Project*)

Year	Designation	Project Title / Source of Fund	Amount	Result
2021	Leader	Feasibility of ISO 14001 green commercialization and uptake by Malaysia food manufacturing small and medium enterprises (SME): Modelling an innovation-diffusion approach Geran Putra IPS	RM25000	On-going

2020	Leader	Sustainability assessment of rice production based on social life cycle assessment index towards food security in Malaysia. Geran Putra	RM50000	On-going
2019	Member	Vulnerability and risk assessment towards heat wave events in Malaysia FRGS Project leader: Dr Zulfa Hanan Ash'aari Tarikh Mula: 01-09-2019 Tarikh Tamat: 01-12-2021	RM88200	On-going
2018	Member	Assessment of the Walkability and its Association with the Pedestrians' Perspectives as an Initiative to Reduce Exposure to Traffic related pollutants in Universiti Putra Malaysia, Serdang Campus GP-IPM - GERAN PUTRA INISIATIF PUTRA MUDA Leader: Dr Nazatul Syadia Zainordin Tarikh Mula: 17-09-2018 Tarikh Tamat: 31-12-2021	RM60000	Completed
2018	Member	Pilot scale extraction protocol of xanthone from mangosteen (garcinia mangostana) peel using supercritical carbon dioxide with virgin coconut oil assisted and carbon footprint of the extraction process Project leader: Assoc Prof Dr Chong Gun Hean GP-IPS - GERAN PUTRA INISIATIF SISWAZAH Tarikh Mula: 01-07-2018 Tarikh Tamat: 31-10-2021	RM25000	Completed
2018	Member	Sustainable Transportation System in UPM Serdang Campus Current issues grant GIS - GERAN ISU SEMASA (GP-GIS) Project leader: Dr Zakiah Ponrahono Tarikh Mula: 02-01-2018 Tarikh Tamat: 31-12-2018	RM99600	Completed
2018	Leader	Modelling Alternative Life Cycle Sustainability Assessment (LCSA) Index of Palm Oil Industry in Malaysia Kod Projek: GP-IPS/2018/9636100 Tarikh mula projek: 2 April 2018 Tarikh Akhir: 2 April 2018	RM20000	Completed
2018	Leader	Modelling a holistic social impact Index of Palm Oil Industry towards social sustainability in Malaysia Kod Projek: GP?2018?9592300 Tarikh mula projek: 2 Jan 2018 Tarikh Akhir: 2 Jan 2020	RM49000	Completed
2016	Member	The assessment of the The Challenges of ISO 14001 Post-Certification for Malaysia's Manufacturing Industry Leader: Assoc Prof Dr Mariani Ariffin GP-IPS - GERAN PUTRA INISIATIF SISWAZAH Tarikh Mula: 02-04-2018 Tarikh Tamat: 02-07-2020	RM16000	Completed
2015	Leader	The Evaluation of Environmental and social impacts in Malaysia Food industry by using life cycle approaches Kod projek: GP-IPA/2014/9447900 Tarikh mula projek: 15 Mac 2015 Tarikh tamat projek: 15 Sept 2016	RM8700	Completed
2014	Leader	Sustainable wastewater management in quail production by analyzing the flow of Nitrogen (N) and Phosphorus (P) using Material Flow Analysis (MFA) Kod Projek: GP-IPM/2014/9435400 Tarikh mula projek: 1 September 2014 Tarikh tamat projek: 1 September 2016	RM49000	Completed
2014	Leader	Identifying Environmental Hotspots on Rice Commodity System by Using Life Cycle Assessment (LCA) and Environmental Life Cycle Costing (ELCC) to Ensure Sustainable Malaysia Food Security Grant: SEARCA SFRT (Ref: GCS14-4070)	USD11489.36	Completed

2014	Leader	Modelling an ELCC of poultry industry towards sustainable food security in Malaysia Kod Rujukan KPM: FRGS/1/2014/STWNO1/UPM/02/3 Kod Projek: 07-01-04-1430FR	RM96000	Completed
2013	Member	Modelling a temporally and spatially explicit water footprint of Malaysian rubber industry Grant: FRGS/2/2013/STWNO1/UKM/03/1 Leader: Dr Marlia Mohd Hanafiah (UKM)	RM91000	Completed
2013	Member	Environment Management Assessment in integration with Islamic life cycle sustainable assessment (ILCSA) Grant: UM Flagship 2012 (FL027-2012A) Leader: Dr Noor Zalina Mahmood	RM88700	Completed
2013	Member	Development of robust of life cycle assessment (LCA) standard for Malaysian car manufacturing and its commercial potential Grant: Sciencefund (project no: 06-01-02-SF1049) Leader: Dr Marlia Mohd Hanafiah (UKM)	RM317800	Completed

I. ID PENERBITAN (Publishing ID)

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Web of Science ID		
Researcher ID	A-1002-2012	Amir Hamzah Sharaai
Others		

J. RANGKAIAN SOSIAL (Social Networking)

Facebook	https://www.facebook.com/LCTandEnvMgmt/
LinkedIn	https://my.linkedin.com/in/amir-hamzah-sharaai-3715b976
Researchgate	https://www.researchgate.net/profile/Amir_Hamzah_Sharaai
Google Scholar	https://scholar.google.com/citations?user=faiWnx4AAAAJ&hl=en
Academia	https://upm.academia.edu/AmirHamzahSharaai
Instagram	https://www.instagram.com/lctlcm/
Website url	https://profile.upm.edu.my/amirsharaai
Twitter	https://twitter.com/LctManagement

K. PENGAJARAN DAN TANGGUNGJAWAB PENTADBIRAN SEMASA (Current Teaching & Administrative Responsibilities)

MAJIKAN Employer	JABATAN Department	KURSUS YANG DIAJAR Course Thought	KREDIT Credit
UPM	Dept of Environment, FHAS	EMG4001 Statistics for Environmental Management & Planning	3
UPM	Dept of Environment, FHAS	EMG3007 Quantitative Methods for Environmental Management	3
UPM	Dept of Environment, FHAS	EMG4102 Environmental Quality Management System	3
UPM	Dept of Environment, FHAS	EMG4405 Life Cycle Thinking in Sustainable Development	3
UPM	Dept of Environment, FHAS	EMG3010 Environmental Management System	3

L. PELAJAR BERGRADUAT (PASCA SISWAZAH) (Graduated Students – Postgraduate)

NAMA PELAJAR & TAJUK PENYELIDIKAN Student Name & Research Title	IJAZAH Degree	TAHUN Year	PERANAN PENYELIAAN Supervisory Role
1. Najat Omron – Life Cycle Sustainability Assessment (LCSA) of palm oil in Malaysia	PhD	2020	Main Supervisor
2. Somayeh Rezaei – Water footprint of agriculture in Tehran, Iran	PhD	2020	Main Supervisor
3. Wong Siew Yien – Ecoefficiency of palm oil in selected mills in Johor, Malaysia	PhD	2019	Main Supervisor
4. Muhammad Khairul Izzuddin – Social life cycle assessment (S-LCA) of palm oil production in Johor, Malaysia	MSc	2019	Main Supervisor
5. Nur Syahirah Samsuddin – Environmental life cycle costing (ELCC) of poultry production in Malaysia	MSc	2018	Main Supervisor
6. Salisu Khalil - Income perspective on the factors influencing households' recycling intention: Implications from the extended theory of planned behaviour	PhD	2018	Co-Supervisor

7.	Tay Hui Hui – The Assessment of the Challenges of ISO 14001 Implementation Within Malaysia’s Manufacturing Industry	MSc	2017	Co-Supervisor
8.	Saadu Abdulrahman Danjaji – Local Government Green Space Policy for Social Well-being in Selected Areas of Malaysia	MSc	2016	Co-Supervisor

** PhD – Doctor of Philosophy, MSc – Master of Science

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