

CURRICULUM VITAE



A. PERSONAL DETAILS				
Full Name: SITI KHADIJAH ADAM		Title: Dr.	E-mail: sk.adam@upm.edu.my	
Designation: Senior Lecturer (DS51)		Date of Birth: 15 th June 1982		
Citizenship: Malaysian		Race: Malay	Gender: Female	
Department/Faculty:				
Medical Education Research and Innovation Unit (MERIU), or Pharmacology Unit, Department of Human Anatomy, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor, Malaysia. Tel: +603-97692354				
B. ACADEMIC QUALIFICATIONS				
Certificate/Qualification	Name of Institution	Year Obtained	Area of Specialisation	
MSc	Universiti Sains Malaysia, Malaysia	2020	Medical Education	
PhD	Universiti Kebangsaan Malaysia, Malaysia	2011	Pharmacology	
BSc (Hons)	Universiti Malaya, Malaysia	2004	Biomedical Sciences	
C. EMPLOYMENT				
Employer	Designation	Department	Start Date	Date Ended
Universiti Putra Malaysia	Senior Lecturer	Human Anatomy	June 2011	present
Universiti Putra Malaysia	Tutor	Human Anatomy	October 2007	June 2011
Universiti Kebangsaan Malaysia	Research Assistant	Pharmacology	November 2004	July 2005
D. ADMINISTRATIVE ROLES				
Position			Start Date	Date Ended
Head of Medical Education Research and Innovation Unit (MERIU)			August 2020	present

Head of Assessment Committee, MERIU	November 2016	August 2020	
Phase 1 (Preclinical) Phase Coordinator for Doctor of Medicine (MD) Programme	September 2017	August 2018	
Chairman Vetting Committee for Doctor of Medicine (MD) Programme (Preclinical Phase)	September 2017	August 2018	
Urinary System Module Coordinator for Doctor of Medicine (MD) Programme	July 2012	September 2017	
E. PROFESSIONAL SERVICES			
Role	Organisation	Start Date	End Date
Programme Auditor/Evaluator	Universiti Putra Malaysia Programmes include: 1. Bachelo Sastera Bahasa Arab dengan Kepujian 2. Bachelo Sains Pertanian dengan Kepujian 3. Master Sains Matematik	2016	present
Committee Member (UPM Level)	1. Jawatankuasa Kecil Kurikulum Universiti 2. Jawatankuasa Inovasi Pengajaran dan Pembelajaran	2021	present
Editorial Member	Education in Medicine Journal	2023	2025
Guest Editor	Malaysian Journal of Medicine and Health Sciences	2021	2022
Review Editor	Frontiers in Medicine, Healthcare Professions Education section	2021	present
Journal reviewer	- BMC Medical Education - Malaysian Journal of Medicine and Health Sciences - Frontiers of Medicine - Journal of Applied Research in Higher Education - Journal of Herbs, Spices & Medicinal Plants - Medicine and Health - Education in Medicine Journal	2018	present
Thesis External Examiner	Master of Medical Sciences (Pharmacology) Universiti Kebangsaan Malaysia (UKM)	2018	2020
	Bachelor of Pharmacy (Hons) Dissertation Cyberjaya University College of Medical Sciences (CUCMS)	2013	2014
Speakers & Facilitators	Workshops and seminars related to health professions education in UPM and other institutions. Titles include: 1. Team Based Learning 2. Reflective Writing and the Assessment 3. How to Construct Assessment Items 4. Item Analysis 5. Standard Setting 6. Objective Structured Clinical Examination (OSCE) 7. Problem Based Learning Case Design 8. Effective PBL Facilitation 9. Assessment Blueprinting	2016	present

	International level: 1. AMEE 2023 Online Conference Workshop – Title: “Inquiry-Based Learning in Medical Education: Promoting Critical Thinking and Deep Learning” (28 th August 2023) 2. Riyadh Elm University Staff Development workshop – Title: “Portfolio as a Method of Student Assessment” (3rd November 2022) 3. Riyadh Elm University Staff Development workshop – Title: “Online Tools to Enhance Student's Engagement” (18 th March 2021)		
Chairman of Organising Committee	Malaysian Association of Education in Medical and Health Sciences Conference 2023	2022	2023
Exco Member	Malaysian Association of Education in Medical and Health Sciences (MAEMHS)	2022	2024
Exco Member	Malaysian Society of Pharmacology and Physiology (MSPP)	2014	2016

F. HONOURS AND AWARDS

Name of awards	Title	Award Authority	Award Type	Year
<i>Awards of Merit</i>	Anugerah Perkhidmatan Cemerlang (Excellent Service Award)	Universiti Putra Malaysia	Service Award	2021
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2022
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2020
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2018
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2017
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2016
	Sijil Perkhidmatan Cemerlang (Excellent Service Certificate)	Universiti Putra Malaysia	Service Award	2013
<i>Academic Awards</i>	Anugerah Tesis Cemerlang (Excellent Thesis Award) (PhD)	Universiti Kebangsaan Malaysia	Thesis Award	Session 2010/2011

<p>Outstanding Open Educational Resources (OER) Award</p> <p>Title: PutraOER</p> <p>International University Carnival on e-Learning (IUCEL) 2022</p>	MOHE & UPM	Innovation in Teaching	2022
<p>Gold Medal</p> <p>Title: Adam, Lee & Muthusamy: Virtual Patients for Assessment of Medical Students' Communication Skills</p> <p>Kongres dan Pertandingan Inovasi Pengajaran dan Pembelajaran (kNovasi) 2023</p>	Universiti Kebangsaan Malaysia	Innovation in Teaching	2023
<p>Silver Medal</p> <p>Title: Experience and Perception on the Use of E-Portfolio Among Preclinical Medical Students in Universiti Putra Malaysia</p> <p>International University Carnival on e-Learning (IUCEL) 2022</p>	MOHE & UPM	Innovation in Teaching	2022
<p>Best Oral Presenter</p> <p>Title: Programmatic versus traditional approach to assessment: a semi-structured interview study on medical students' experience</p> <p>International Conference on Medical Education (ICME) 2021</p>	Riphah International University	Conference Presenter	2021
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: Implementation of Safe Exam Browser (SEB) in Universiti Putra Malaysia: Functionality And Challenges</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>	UPM	Innovation in Teaching and Learning	2021
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: OHH My Joints! (OMJ!)</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>	UPM	Innovation in Teaching and Learning	2021
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: Conducting an Online Objective Structured Clinical Examination</p>	UPM	Innovation in Teaching and Learning	2021

<p>(OSCE) During COVID-19 Pandemic – Modifications Implemented</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>			
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: COVID-19 - Inspired Remote Problem Based Learning in Pre-clinical Medical Program</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>	UPM	Innovation in Teaching and Learning	2021
<p>Silver Medal Putra InnoCreative Poster Competition</p> <p>Title: Optimising the Use of Instagram as a Teaching and Learning Tool in Pharmacology for Medical Students</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>	UPM	Innovation in Teaching and Learning	2021
<p>Silver Medal Putra InnoCreative Poster Competition</p> <p>Title: Using Interactive Online Learning Tools During Pharmacology and Haematology Classes – Keeping Boredom at Bay</p> <p>International Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2021</p>	UPM	Innovation in Teaching and Learning	2021
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: Engage, scratch & learn: Team based learning for medical and health sciences students</p> <p>Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2020</p>	UPM	Innovation in Teaching and Learning	2020
<p>Gold Medal Putra InnoCreative Poster Competition</p> <p>Title: PharmacoBattleground: Building Critical Thinking Skills in Pharmacology Through a Fun and Engaging Learning Process</p> <p>Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2019</p>	UPM	Innovation in Teaching and Learning	2019
<p>Bronze Medal K-Novasi</p>	Universiti Kebangsaan Malaysia	Innovation in Teaching and Learning	2019

	Title: Action Speaks Louder Than Words			
	Gold Medal Putra InnoCreative Poster Competition Title: PharmacoApp: An Interactive and Engaging Learning Tool to Learn Pharmacology for UPM Medical Students Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2018	UPM	Innovation in Teaching and Learning	2018
	Gold Medal Putra InnoCreative Poster Competition Title: HoLoVOICE: Voice Interaction Hologram Application Putra InnoCreative Carnival in Teaching and Learning (PicTL) 2018	UPM	Innovation in Teaching and Learning	2018
	First runner-up in Best Practice of Teaching & Learning Innovation Competition Title: Central Nervous System	UPM	Innovation in Teaching and Learning	2016
	Silver Medal Pemacuan Kegemilangan Warisan Ilmu	Universiti Kebangsaan Malaysia	Research Exhibition and Innovation	2011

G. PUBLICATIONS

Journals	<ol style="list-style-type: none"> Ong KL, Abd Jalil KF, Hisham HD, Mohamad Kasim NS, Idris F & Adam SK. (2023) Lecturers' beliefs and perceptions on formative assessment and their practice in training medical students in a Malaysian university. <i>Malaysian Journal of Medicine & Health Sciences</i>. Accepted. Mohd Salim, N.A., Roslan, N.S., Hod, R., Zakaria, S.F., & Adam, S.K. (2023) Exploring critical components of physician-patient communication: A qualitative study of lay and professional perspectives. <i>Healthcare</i>. 11(2):162. Idris F, Adam SK, Hod R. Effective communication skills starts with #hellomynameis. <i>Education in Medicine Journal</i>. 2023 (early view). https://eduimed.usm.my/earlyView/21_EIMJ-Com-22-11-0100.pdf Adam, S.K., Shanmugam, N., Mohamad, S., Abd Rahman, S., & Mohd Moklas, M.A. (2023) Antioxidant and anti-inflammatory effects of <i>Erythroxylum cuneatum</i> leaf extract on oxidized low-density lipoprotein stimulated human aortic endothelial cells. <i>Pharmacognosy Magazine</i>. 19(2):203-213. Adam, S.K., Mohamad, F., Maniam, S., Ismail, S.I.F, Hasan, M.K., Mohtarrudin, N., & Ibrahim, N. (2022). Student selection process for undergraduate medical programme amid the COVID-19 pandemic: Lessons learned and future directions for Universiti Putra Malaysia. <i>Malaysian Journal of Medicine & Health Sciences</i>. 18(Supp14): 173-176. Mahayidin, H., Adam, S.K., Hassan, H., & Salihan, S. (2022). Modifications of OSCE for UPM preclinical medical students during COVID-19 pandemic. <i>Malaysian Journal of Medicine & Health Sciences</i>. 18(Supp14): 181-183. Adam, S.K., Maniam, S., Hod, R., & Abas, R. (2022). Conducting online assessment for undergraduate medical program during COVID-19 pandemic: The first experience at Universiti Putra Malaysia. <i>Malaysian Journal of Medicine & Health Sciences</i>. 18(3), 179-181. Latjatih, N. H. F., Roslan, N. S., Kassim, P. S. J., & Adam, S. K. (2022). Medical students' perception and satisfaction on peer-assisted learning in formative OSCE and its effectiveness in
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- improving clinical competencies. *Journal of Applied Research in Higher Education*, 14(1), 171-179.
9. **Adam, S. K.**, Idris, F., Jahn, K. P. S., Zakaria, N. F., & Hod, R. (2021). Multiple choice questions with different numbers of options in University Putra Malaysia undergraduate medical program: A comparative analysis in 2017 and 2018. *Journal of Medical Education*, 20(2).
 10. Mazlan, N.A., Selvakumar, S., Teh, XH, Idris, F., & **Adam, S.K.** (2021). Undergraduate students' perceived experience on assessment practice in a Malaysian medical school: Comparison among gender, ethnicity, and phase of study. *IUM Medical Journal Malaysia*, 20(3).
 11. Mohamed, W. A. S., Ismail, N. Z., Omar, E. A., Abdul Samad, N., **Adam, S. K.**, & Mohamad, S. (2020). GC-MS evaluation, antioxidant content, and cytotoxic activity of propolis extract from Peninsular Malaysian stingless bees, *Tetrigona apicalis*. *Evidence-Based Complementary and Alternative Medicine*, 2020.
 12. Li, L. S., Chiroma, S. M., Hashim, T., **Adam, S. K.**, Moklas, M. A. M., Yusuf, Z., & Rahman, S. A. (2020). Antioxidant and anti-inflammatory properties of *Erythroxylum cuneatum* alkaloid leaf extract. *Heliyon*, 6(6), e04141
 13. Hassan, H., Bello, R. O., **Adam, S. K.**, Alias, E., Meor Mohd Affandi, M. M. R., Shamsuddin, A. F., & Basir, R. (2020). Acyclovir-loaded solid lipid nanoparticles: Optimization, characterization and evaluation of its pharmacokinetic profile. *Nanomaterials*, 10(9), 1785.
 14. Yam, M. F., Loh, Y. C., Tan, C. S., **Khadijah Adam, S.**, Abdul Manan, N., & Basir, R. (2018). General pathways of pain sensation and the major neurotransmitters involved in pain regulation. *International Journal of Molecular Sciences*, 19(8), 2164.
 15. Shanmugam, N., **Adam, S. K.**, Rahman, S. A., & Moklas, M. A. (2018). Phytochemical screening and antioxidant activities of *Erythroxylum cuneatum* leaf extracts. *The Natural Products Journal*, 8(3), 185-190.
 16. Zakaria, N. M., Farok, N. A. J., **Adam, S. K.**, & Nordin, S. A. (2018). Approaches of learning among medical undergraduates of Faculty of Medicine and Health Sciences, Universiti Putra Malaysia in 2016. *Malaysian Journal of Medicine & Health Sciences*, 14(1), 1-6.
 17. Masalamany, K., Ngu, S. T., Manan, N. A., & **Adam, S. K.** (2017). Sleep quality among pre-clinical medical students in Universiti Putra Malaysia and Universiti Malaya, Malaysia. *Education in Medicine Journal*, 9(3).
 18. Hassan, H., **Adam, S. K.**, Othman, F., Shamsuddin, A. F., & Basir, R. (2016). Antiviral nanodelivery systems: current trends in acyclovir administration. *Journal of Nanomaterials*, 2016.
 19. Fard, M. T., Arulselvan, P., Karthivashan, G., **Adam, S. K.**, & Fakurazi, S. (2015). Bioactive extract from *Moringa oleifera* inhibits the pro-inflammatory mediators in lipopolysaccharide stimulated macrophages. *Pharmacognosy Magazine*, 11(Suppl 4), S556–S563.
 20. Jabbarzare, M., Chin, V. K., Talib, H., Yam, M. F., **Adam, S. K.**, Hassan, H., Abdul Majid, R., Mat Taib, C. N., Mohd Moklas, M. A., Taufik Hidayat, M., Mohd Sidek, H., & Basir, R. (2015). Interleukin-18 antagonism improved histopathological conditions of malaria infection in mice. *Iranian Journal of Parasitology*, 10(3), 389–401.
 21. Ng, C. Y., Leong, X. F., Masbah, N., **Adam, S. K.**, Kamisah, Y., & Jaarin, K. (2014). Heated vegetable oils and cardiovascular disease risk factors. *Vascular Pharmacology*, 61(1), 1-9.
 22. **Adam, S. K.**, Das, S., Othman, F., & Jaarin, K. (2009). Fresh soy oil protects against vascular changes in an estrogen-deficient rat model: an electron microscopy study. *Clinics*, 64(11), 1113-1119.
 23. **Adam, S. K.**, Das, S., & Jaarin, K. (2009). A detailed microscopic study of the changes in the aorta of experimental model of postmenopausal rats fed with repeatedly heated palm oil. *International Journal of Experimental Pathology*, 90(3), 321-327.
 24. **Adam, S. K.**, Soelaiman, I. N., Umar, N. A., Mokhtar, N., Mohamed, N., & Jaarin, K. (2008). Effects of repeatedly heated palm oil on serum lipid profile, lipid peroxidation and homocysteine levels in a post-menopausal rat model. *McGill Journal of Medicine: MJM*, 11(2), 145.
 25. **Adam, S. K.**, Das, S., Soelaiman, I. N., Umar, N. A., & Jaarin, K. (2008). Consumption of repeatedly heated soy oil increases the serum parameters related to atherosclerosis in ovariectomized rats. *The Tohoku Journal of Experimental Medicine*, 215(3), 219-226.
 26. **Adam, S. K.**, Sulaiman, N. A., Top, A. M., & Jaarin, K. (2007). Heating reduces vitamin E content in palm and soy oils. *Malaysian Journal of Biochemistry and Molecular Biology*, 15(2), 76-79.

<i>Books/Monographs</i>	1. <i>Eksplorasi Tubuh Manusia</i> . Fauziah Othman, Cheah Pike See, Mohamad Aris Bin Mohd Moklas, Mohamad Taufik Hidayat Baharuldin, Che Norma Binti Mat Taib, Siti Khadijah Adam , Nizar Abdul Manan. 2013.
<i>Proceedings</i>	1. Sulaiman, P. S. B., Azman, A., Madzin, H., & Adam, S. K. (2017). A Holographic Viewer in Mobile Devices to Increase Learning Experience. <i>CARNIVAL ON e-LEARNING (IUCEL) 2017</i> , 352.
<i>Other publications</i>	1. Kesan Menggunakan Minyak Masak Berulang Kali kepada Jantung & Salur Darah. The Malaysian Medical Gazette. April 2015. http://www.mm gazette.com/kesan-menggunakan-minyak-masak-berulang-kali-kepada-jantung-salur-darah-dr-siti-khadijah-adam/
<i>Copyright</i>	1. Software – <i>3D Holographic Rendering</i> . File no: LY2017005482. Year: 2017 2. Graphics – <i>Central Nervous System (CNS)</i> . File no: AR201700382. Year: 2017. 3. Source Code – <i>Central Nervous System – Augmented Reality (CNS-AR)</i> . File no: LY2017003823. Year: 2017 4. Module – <i>Guidelines for Preparing Exam Questions for MD Programme: UPM Format</i> . File no: 201703231203. Year: 2017

H. RESEARCH PROJECTS

No.	Project Title	Role	Year	Source of fund	Status
1	Association of social support and burnout among undergraduate students in the Faculty of Medicine and Health Sciences, Universiti Putra Malaysia Session 2022/2023	Project leader	2022-2023	-	Completed
1	Exploring the perceptions of UPM medical students on reflective practice in the Early Clinical Experience course	Project leader	2021-2022	-	Completed
2	Implementing programmatic assessment using e-portfolio in Universiti Putra Malaysia undergraduate medical programme: A pilot study	Project leader	2021-2024	GIPP (UPM)	Ongoing
3	Establishing a new approach of clinical communication skills assessment for medical students using an immersive virtual simulated patient	Project leader	2019-2023	FRGS (Ministry of Higher Education, Malaysia)	Ongoing
4	Exploring students' assessment experience in three medical schools from the programmatic assessment perspectives	Project leader	2019-2020	UPM	Completed
5	UPM undergraduate medical students' perception on their assessment experience in session 2018/2019	Project leader	2019	-	Completed
6	MedicPutraQBank: A database for an effective storage and management of test items for MD Programme in UPM	Co-researcher	2017-2019	GIPP (UPM)	Completed
7	Self-evaluation and peer-feedback during formative OSCE: Cultivating students-centered learning in undergraduate UPM medical students	Project leader	2017-2019	GIPP (UPM)	Completed
8	A new approach using virtual stimulation technology to improve medical students learning of the central nervous system (CNS)	Co-researcher	2016-2019	TRGS (Ministry of Higher Education, Malaysia)	Completed
9	Effect of biocides on the susceptibility patterns and transfer of antibiotic resistance genes among <i>Enterococcus sp.</i>	Co-researcher	2016-2018	GP-IPS (UPM)	Completed

10	Antioxidant and anti-inflammatory properties of ethanolic extract of <i>Erythroxylum cuneatum</i> in endothelial cells stimulated with oxidized low-density lipoprotein	Project leader	2015-2019	GP-IPS (UPM) & CUCMS	Completed
11	PharmacoApp: An interactive Pharmacology mobile app for undergraduate Universiti Putra Malaysia (UPM) medical students	Project leader	2015-2017	GIPP (UPM)	Completed
12	Sleep quality among pre-clinical medical students in Universiti Putra Malaysia and University of Malaya, Malaysia	Project leader	2014	-	Completed
13	Development of interactive computer animated application as a teaching and learning tool in Pharmacology	Co-researcher	2012	GIPP (UPM)	Completed
14	Development of an atherosclerotic rabbit model induced with ovariectomy and 2% cholesterol diet	Project leader	2012-2014	RUGS (UPM)	Completed
15	Effects of repeatedly heated palm oil and soy oil on factors related to atherosclerosis in ovariectomized rats.	PhD student	2005-2011	MOSTI	Completed

I. SUPERVISION OF STUDENT

Classification	Main Supervisor	Co-supervisor	Status
PhD	1. Nurul Ain Mohd Salim 2. Rafia Minhas	1. Dr Azmah Sa'at 2. Haniza Hassan 3. Yam Mun Fei	Ongoing Ongoing Completed (2017) Completed (2018) Completed (2019)
MSc	1. Nitya a/p Shanmugam	1. Che Nur Shafareen Afera Che Anuar 2. Amirah Fatimah Md Nordin 3. Masoumeh Tangestani Fard	Completed (2021) Completed (2020) Completed (2019) Completed (2014)
Undergraduate	1. Lee Jia Lee, Farrah Asyiqin Mansor & Kayalvili a/p R.Manogar 2. Nasuha Azman, David Tan Li Wei & Nur Denneia Shuhaeila A Kamarudin	1. Nurul Jannah Alhany Abdul Halim (CUCMS) 2. Nur Amaleena Azlee (CUCMS) 3. Lim Seow Li (CUCMS)	Completed (2023) Completed (2022) Completed Completed Completed (2015)

J. TEACHING EXPERIENCE

Level	Programme	Courses/Topics
Undergraduate	Doctor of Medicine (MD)	1. General and Biochemical Pharmacology (MDR3004) 2. Cardiovascular System (MDR3006) – Pharmacology topics 3. Respiratory System (MDR3007) – Pharmacology topics 4. Alimentary System (MDR3008) – Pharmacology topics 5. Urinary System (MDR3009) – Pharmacology topics 6. Central Nervous System (MDR3012) – Pharmacology topics 7. Professionalism and Personal Development 1 (MDR3101)
	Bachelor of Nursing	1. Biochemistry and Pharmacology (NUR3104)
	University Course	1. Basic Entrepreneurship (MGM3180)
Postgraduate	MMed (Psychiatry)	1. Neurons, Synapse, Receptors and Neurotransmitter