



INFORMATION ON LECTURERS	
Name	Dr Izdihar Binti Kamal
Designation	Senior lecturer
Citizenship	MALAYSIAN
IC No.	830403-05-5106
Teaching Permit No	P/US/101/0001
Position	Senior lecturer
Research Area	Science & Technology <u>or</u> Non-Science & Technology
Current Address	No 107, Jalan Nusa Intan 2/7 Taman Nusa Intan 70400 Seremban NS
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PROFILE	
Appointments	Date/Year of Appointment
Senior lecturer Faculty of Science UPM	2023
Associate Professor appointment	2022
Deputy Dean School of Health Sciences	2019- Current
Head of Medical Imaging Department	2019- Current
Coordinator, Bachelor of Medical Imaging Program	2017-2019
Coordinator, Diploma in Medical Imaging Program	2016– 2017
Cardiac angiographer (Institut Jantung Negara)	2006-2010

ACADEMIC QUALIFICATION		
Qualification	Name of the University and Country	Year of Graduation
Ph.D. in Radiology and Imaging	Universiti Putra Malaysia	2022
Master's in health science, Diagnostic Imaging	Universiti Kebangsaan Malaysia	2014
Bachelor (Hons) in Medical Imaging & Radiotherapy	Universiti Kebangsaan Malaysia	2006

WORKING EXPERIENCE: TOTAL YEARS OF EXPERIENCE:				
Name and Employer Address	Designation	Length of Service	Year	
			From	To
Putra Specialist Hospital Batu Pahat	Radiographer	1 month	May 2006	Jun 2006
Institut Jantung Negara	Cardiac angiographer	4 years	Jun 2006	Jun 2010
KPJ Healthcare University	Dean/ Associate professor	13 years	July 2010	January 2024
University Putra Malaysia	Senior lecturer		February 2023	Current

PARTICIPATION IN PROFESSIONAL BODIES				
Name of Professional Bodies	Membership		Type of Membership	Designation
	From	To		
The Malaysian Solid-State Science and Technology Society	2020	2021	Member	Member
Kementerian Kesihatan Malaysia (Bahagian Sinaran)	2017	Current	-	Radiation Protection Officer
Malaysian Society Radiographer	2017	2018		Member
ISO 19001	2014	Current	-	Internal Auditor

RESEARCH EXPERIENCE

Research Title and Institution	Role	Year/ Duration
Development of quality phantom for CT texture analysis of solid renal mass	Principal Investigator	2019 till now
Effective Dose Estimation In PET/CT Procedure for Oncology Cases with ¹⁸ F-FDG and 68 Ga-DOTATATE	Principal Investigator	2019
Knowledge and Awareness of Breast Cancer among Female Residents nearby KPJ Healthcare University College (KPJUC)	Co-Researcher	2018
Association of Knowledge and Practice of Breast Self-Examination among Female Residents nearby KPJ Healthcare University College (KPJUC)	Co-Researcher	2018
Effectiveness of Educational Intervention Program on Knowledge Regarding Breast Self-Examination among Higher Secondary School Girls in Seremban (KPJUC)	Co-Researcher	2018
Community Perception towards Outreach Health Screening Program (KPJUC)	Co-Researcher	2018
Learning Styles Assessment Among Undergraduate Healthcare Students In KPJUC	Principal Investigator	2017
Comparison of The Effective Doses Between CT Cardiac Angiography and Conventional Cardiac Angiography	Principal Investigator	2017
Comparison of Average Glandular Dose measurement between ionization chamber and TLD and image quality assessment of Digital Breast Tomosynthesis	Principal Investigator	2011 to 2013
Job Satisfaction among Academic Staffs in a Private University (KPJUC)	Co-Researcher	2012
A MRI study on the anatomy of patella and patella tendon: refining the surgical anatomy in anterior cruciate ligament reconstruction.	Main researcher	2010 to 2011

AWARDS (*academic, presentation, publication etc*)**National**

Award	Award Type (<i>Presentation,publication,etc</i>)	Year Obtained
1 st runner up	Oral presentation KPJ Healthcare Conference	2019
Gold medal	V- MTC material science competition	2020
Best poster	Malaysian Society of radiography	2022
Best presenter	KPJU Collaquium	2023
Excellence Graduate	Faculty of Science UPM	2023

International

Award	Award Type (<i>Presentation,publication,et</i>)	Year Obtained
Best paper award	The International Conference of Advances in Applied Sciences (ICOAPS 2021)	2021
Best presenter	Aceh International Nursing Conference	2022

GRANTS / RESEARCH FUNDING (NATIONAL)				
Role (Principal Investigator / Co-Researcher)	Research Title	Source (industrial / university etc)	Total Fund	Year/ Duration
Principal investigator	Development of quality phantom for CT texture analysis of solid renal mass	University Putra Malaysia	RM 19000	2019 - 2021 24 months
Principal Investigator	Knowledge and Awareness of Breast Cancer among Female Residents nearby KPJ Healthcare University College (KPJUC)	University	RM 2,000	24 months
Principal Investigator	Association of Knowledge and Practice of Breast Self-Examination among Female Residents	University	RM 2,000	24 months
Principal Investigator	Effectiveness of Educational Intervention Program on Knowledge Regarding Breast Self- Examination among Higher Secondary School Girls in Seremban (KPJUC)	University	RM 2,840	24 months

PUBLICATION (SCOPUS/WOS/ERA)	Quartile
Article details (APA style)	
<u>I Kamal</u> , <u>HRA Razak</u> , <u>MK Abdul Karim</u> , <u>S Mashohor</u> et al. Mechanical and Imaging Properties of a Clinical-Grade Kidney Phantom Based on Polydimethylsiloxane and Elastomer - Polymers, 2022	Q1 IF 4.967
K. Izdihar <i>et al.</i> , “Detection of Novel Coronavirus from Chest X-Ray Radiograph Images via Automated Machine Learning and CAD4COVID,” International Congress of Advanced Technology and Engineering (ICOTEN) pp. 1–4, 2021	Scopus
Izdihar Kamal, Hairil Rashmizal, Khalis Abdul Karim, Syamsiah Mashohor , Athirah Syima. Development of Multi-Modality Renal Phantom. 19th AOCR abstract book.2021. Korean Journal of Radiology. eISSN: 2005-8330	Q2

Izdihar Kamal, Muhammad Khalis Abdul Karim, Hanif Haspi Harun, Hairil Rashmizal Abdul Razak, Low Yiin Jian, Josephine Liew Ying Chyi, Mohd Mustafa Awang Kechik, Evaluation of radiation attenuation properties on a various composition of polydimethylsiloxane (PDMS) for fabrication of kidney phantom, Radiation Physics and Chemistry, Volume 189, 2021,	Q1 IF 2.858
K. Izdihar, , H. R. Abdul Razak, M. K. Abdul Karim, S. Zulaika, Structural, Mechanical and Dielectric properties of Polydimethylsiloxane and Silicone Elastomer For the fabrication of Clinical -Grade kidney phantom. Appl. Sci. 2021, 11 (3), 1172.	Q2 IF 2.838
I. Kamal, H. R. Abdul Razak, M. K. Abdul Karim .(2020). Evaluation of healthcare science student learning styles and association with academic achievement using VARK analysis method. IJERE. 10(1).	Scopus
Determination Of Tube Output (Kvp) And Exposure Mode For Various Thickness/Glandularity Breast Phantom For Digital Mammography Malays J Med Sci. 2015 Jan-Feb; 22(1): 40–49	Scopus
Estimates of Average Glandular Dose (AGD) with Auto-modes of X-ray Exposures in Digital Breast Tomosynthesis (DBT) Sultan Qaboos Univ Med J. 2015 May; 15(2): e292–e296. Published online 2015 May 28	Scopus
Mean Glandular Dose and Figure of Merit of 2 Dimension and 3 Dimension Imaging in Digital Breast Tomosynthesis https://link.springer.com/book/10.1007/978-981-10-0266-3 ICIBEL 2015: International Conference for Innovation in Biomedical Engineering and Life Sciences pp 20-23	Scopus
Zain, N. M., Che Mut, N. A. I., Abu Bakar, N. H., Kamal, I., Suhaimi, S. A. A., Mohammad, N. M., Ahmad, R. (2019). Knowledge and awareness of breast self-examination among secondary school girls in Seremban, Negeri Sembilan. Asian Pacific Journal of Cancer Care, 4(2), 39-43.	Scopus
Che Mut, N. A. I., Abu Bakar, N. H., Kamal, I., Suhaimi, S. A. A., Mohammad, N. M., Ahmad, R., Zain, N. M. (2018). Breast self-examination among female students: a systematic review. <i>International Journal of Education and Research</i> , 6(11), 139-150.	Scopus
Nur Anis Izzati Che Mut ¹ , Noor Hidayah Abu Bakar ¹ , Izdihar Kamal ¹ , Siti Aishah Abdullah Suhaimi ¹ , Nurul Mawaddah Mohammad ¹ , Rosmah Ahmad ² , Norhayati Mohd Zain ^{1*} . Breast Self-Examination among Female Students: A Systematic Review. International Journal of Education and Research Vol. 6 No. 11 November 2018	Scopus
Zain, N. M., Che Mut, N. A. I., Abu Bakar, N. H., Kamal, I., Suhaimi, S. A. A., Mohammad, N. M., Ahmad, R. (2019). The Effectiveness of Educational Intervention Program on Knowledge of BSE among Secondary School Girls in Seremban, Negeri Sembilan. Jurnal Sains Kesihatan Malaysia 17(2) 2019: 73-79	Scopus

PUBLICATION (NON-SCOPUS/WOS/ERA)
Article details (APA style)
Kamal, I., Zain, N. M., Che Hon, W. H. (2012). A MRI study on the anatomy of patella and patellar tendon: refining the surgical anatomy in anterior cruciate ligament reconstruction. <i>KPJ Medical Journal</i> , 5(1), 32-36.
KAMAL, I., ABDUL KARIM, M. K. AND MUSA, Y (2020). Entrance Surface Dose Measurement and Lifetime Attribute Risk Analysis from Postero-anterior Chest X-ray Imaging via Direct and Indirect measuremen. Physics and Technology in Medicine. 1 (2).
I. Kamal, H. R. Abdul Razak, M. K. Abdul Karim. The Effective Dose Estimation of Patients Administered with 18F-FDG and Ga-68 DOTATATE in PET/CT Examination Associated with Gender and Weight. <i>Physics and Technology in Medicine. 1 (1).</i>
MKA Karim, NSM Haniff, ABA Kadir, I Kamal, Y Musa. Energy Response, Accuracy and Linearity of Optically Stimulated Luminescence (OSL) Dosimeter <i>Physics and Technology in Medicine</i> , [S.l.], v. 2, n. 1 & 2, p. 1-8, oct. 2021. ISSN 2710-723X s.
Norhayati Mohd Zain, Anita Hanapi, Izdihar Kamal, Azlinda Mohd Sharif. Job Satisfaction among Academic Staff in KPJIUC
Nur Anis Izzati Che Mut1 , Noor Hidayah Abu Bakar1 , Izdihar Kamal1 , Siti Aishah Abdullah Suhaimi1 , Nurul Mawaddah Mohammad1 , Rosmah Ahmad2 , Norhayati Mohd Zain1*. Breast Self-Examination among Female Students: A Systematic Review. <i>International Journal of Education and Research</i> Vol. 6 No. 11 November 2018

References

Dr Muhammad Khalis Abdul Karim Senior Lecture UPM H/P 0192140612	Ms Norizam Mois Senior Manager Radiology Institut Jantung Negara H/P 0126252113
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