



PERSONAL DETAILS

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Expertise : Medical/Health Physics, Nuclear Science & Technology, Radiation Dosimetry
h-Index (WOS) : 19
h-Index (SCOPUS) : 20
h-Index (G. Scholar) : 24

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Ph.D.	Physics	Universiti Teknologi Malaysia	2005	2009
2	M.Sc.	Medical Physics	University of Surrey, UK	2003	2005
3	B. Sc	Nuclear Science	Universiti Kebangsaan Malaysia	1998	2001

AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	9
National Awards/Honors	15
UTM Awards/Honors	12
Faculty Awards/Honors	4

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	National Committee of Radiation Protection Officer Certification, Atomic Energy Licensing Board (AELB), Ministry of Science, Technology and Innovation (MOSTI)	National	2021
2	Top Research Scientists Malaysia (TRSM) awarded by Academy of Sciences Malaysia (ASM).	National	2020
3	Editorial Board Member of Imaging and Radiation Research; Open Access Journal published by EnPress Publisher LLC commenced on 21 July 2020.	International	2020
4	Affiliate Member of Young Scientists Network- Academy of Sciences Malaysia (YSN-ASM).	National	2020
5	Editor of Nuclear & Medical Physics, Heliyon Physics; Open Access Journal published by Elsevier Limited.	International	2020
6	Associate Editor Heliyon Physics; Open Access Journal published by Elsevier Limited.	International	2019
7	Excellence Service Award, Majlis Citra Karisma, Universiti Teknologi Malaysia	UTM	2018
8	Editorial Board Member of Annals of Radiation Therapy and Oncology; Open Access Journal published by Remedy Publications LLC commenced on 1 March 2017.	International	2017
9	Excellence Award; Occupational Safety and Health Management System (Higher Learning Institution Category), National Council for Malaysian Department of Occupational Safety and Health, 16 November 2017.	National	2017
10	Certificate Train the Trainer "Nuclear Security Culture in Practise", International Atomic Energy Agency (IAEA) and Atomic Energy Licensing Board (AELB), Putrajaya, 12-13 October 2017.	National	2017
11	Excellence Award; Occupational Safety and Health Management System (Higher Learning Institution Category), Department of Occupational Safety and Health, Johor, 16 May 2017.	National	2017
12	UTMShine recipients (UTM Top Notch Young Scientists/Researchers, UTM Global Plan 2).	UTM	2016
13	Affiliate Member of Young Scientists Network- Academy of Sciences Malaysia (YSN-ASM).	National	2016

14	Certificate of In-depth Training Course on Mobile Expert Support Team on Nuclear Security, International Atomic Energy Agency (IAEA) - 23 Nov – 4 Dec 2015, Vienna, Austria.	International	2015
15	Certificate Train the Trainer (certificate number TTT/13300), Human Resources Development Fund Malaysia (HRDF)	National	2015
16	Certified Radiation Protection Officer (RPO), Atomic Energy Licensing Board (AELB)	National	2015
17	Editorial Board Member of Heliyon; Open Access Journal published by Elsevier Limited.	International	2015
18	Good Clinical Practice Certificate, Clinical Research Centre, Ministry of Health Malaysia.	National	2014
19	Excellence Service Award, Faculty of Science, Universiti Teknologi Malaysia	Faculty	2014
20	Gold medal in Invention Innovation Awards, Malaysia Technology Expo 2014, Malaysian Association of Research Scientist (MARS)	National	2014
21	Excellence Service Award, Majlis Citra Karisma, Universiti Teknologi Malaysia	UTM	2013
22	Certificate of Research Project Completion, Universiti Teknologi Malaysia	UTM	2013
23	Best Undergraduate Dissertation Project Supervision, The Malaysian Solid State Science and Technology Society	National	2013
24	Excellence Service Award, Faculty of Science, Universiti Teknologi Malaysia	Faculty	2012
25	Certificate of Appreciation International Science Postgraduate Conference 2012 (ISPC 2012), Faculty of Science, Universiti Teknologi Malaysia	Faculty	2012
26	Best Oral Presentation Award in 8 th National Seminar in Medical Physics, Malaysian Association of Medical Physics	National	2012
27	Bronze medal in Innovation Day of Malaysian Nuclear Agency, Malaysian Nuclear Agency	National	2011
28	Certified Energy Manager, ASEAN Energy Management Scheme (AEMAS)	International	2011
29	Excellence Service Award, Faculty of Science, Universiti Teknologi Malaysia	Faculty	2011
30	Top 100 Scientists in Medical Radiation Physics, International Biographical Association, Cambridge, UK	International	2011
31	Certificate of Appreciation High Impact Factor journal publication, Sustainability Research Alliance & Universiti Teknologi Malaysia	UTM	2010

32	Visiting Research Fellow University of Surrey, U.K, 20 March 2010 to 19 March 2011, University of Surrey	International	2010
33	Certificate of Appreciation High Impact Factor journal publication, Sustainability Research Alliance & Universiti Teknologi Malaysia	UTM	2009
34	Postdoctoral Fellowship University of Surrey, U.K, 1 May 2009 to 19 March 2010, Kansas State University, USA and Universiti Teknologi Malaysia	UTM	2009
35	Pro-Chancellor's Award based on excellent academic achievement Doctor of Philosophy (Physics) in conjunction with the 43 rd Convocation, 2009, Universiti Teknologi Malaysia	UTM	2009
36	Best student award based on excellent academic achievements in the Physics Doctoral programme in conjunction with the 43 rd Convocation, 2009, Dean of School of Graduate Studies & Universiti Teknologi Malaysia	UTM	2009
37	Finalist the best fundamental research project "Characterization and Fundamental Properties of Radiosensitive Doped SiO ₂ Optical Fibres for Radiotherapeutic Measurement"	National	2009
38	Salary Increment Incentive for Completing PhD, Universiti Teknologi Malaysia	UTM	2009
39	Scholarship Bursary Bumiputra Academic Training Scheme (SLAB), Malaysia Ministry of Higher Education & Universiti Teknologi Malaysia	UTM	2005
40	Scholarship Bursary Bumiputra Academic Training Scheme (SLAB), Ministry of Higher Education & Universiti Teknologi Malaysia	UTM	2003

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Associate Professor	14 July 2015	Present	Department of Physics, Faculty of Science, Universiti Teknologi Malaysia.
2	Senior Lecturer	14 February 2011	13 July 2015	Department of Physics, Faculty of Science, Universiti Teknologi Malaysia.
3	Research Fellow	1 May 2009	16 October 2010	Centre for Nuclear & Radiation Physics, Physics Department, University of Surrey, UK.

4	Lecturer	14 February 2005	30 April 2009	Department of Physics, Faculty of Science, Universiti Teknologi Malaysia.
5	Physicist (secondment)	1 July 2013	30 June 2014	Oncology Centre, Hospital Sultan Ismail, Johor.
6	Tutor	16 August 2002	13 February 2005	Department of Physics, Faculty of Science, Universiti Teknologi Malaysia.
7	Lecturer	1 April 2001	15 August 2002	Kolej Teknologi Timur, Sepang, Selangor.

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	6
National Professional Membership / Qualifications / Recognition	5

NO	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	Institut Fizik Malaysia (Malaysian Institute of Physics)	National	Life Member (Membership No: MIPM 1457)	2018- present
2	Institute of Physics (IOP), UK	International	Member (Membership No: 1174637)	2018- present
3	Malaysian Radiation Protection Association (MARPA)	National	Life Member (Membership No: 384/2015)	2015 - present
4	Health Physics Society (HPS)	International	Member (Membership No: 37046)	2014 - present
5	European Society for Radiotherapy & Oncology (ESTRO)	International	Affiliate member (Membership No: M2014-03038)	2014 - 2017
6	International Society of Radiation Physics (ISRP)	International	Member	2012 - present
7	IEEE Nuclear and Plasma Sciences Society	International	Member	2012 - present
8	Institute of Electrical and Electronics Engineers, U.S.A. (IEEE)	International	Member (Membership No: 92201492)	2011- present
9	Malaysian Solid State Science and Technology Society (MASS)	National	Member	2005 - present
10	Malaysian Association of Medical Physics (MAMP)	National	Life Member	2005 - present
11	Malaysian Nuclear Society (MNS)	National	Member	2002 - present

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1	Deputy Director (Radiation and Biosafety), Occupational Safety, Health and Environment (OSHE) Office	1 March 2015	28 February 2023	Universiti Teknologi Malaysia
2	Head of Health Physics Programme	21 Mar 2016	31 July 2022	Department of Physics
3	Head of Nuclear and Dosimetry Laboratory	6 Jan. 2013	20 Mar 2016	Department of Physics
4	Energy Manager	28 March 2011	31 Jan. 2013	Faculty of Science

CONSULTATION WORKS

Summary	
Consultation Project-UTM	4 projects (RM 204, 585.76)
Consultation Project- Others	1 projects (RM 26,629.09)

No.	Year	Title	Value	Vot
1	2020	MY Radiation Portal Monitoring (MyRPM) (on-going) .	RM 36,000	961
2	2020	X-ray Irradiation on K562 cells (on-going) .	RM 30,000	961
3	2018	Physics for General Physics: Philippines Senior High School curriculum development (Teaching PowerPoint lecture slides and Full Solutions, Checkpoint, Chapter Review and Chapter Assessment) (completed) .	RM 12,000	961
4	2014	Verifikasi kepatuhan syarikat LYNAS (M) Sdn. Bhd. terhadap standard dan peraturan keselamatan radiologi (completed) .	RM 126,585.76	961
5	2015	Kajian rekabentuk teras dan sistem penyejukan reaktor untuk Agensi Nuklear Malaysia (completed) .	RM 26,629.09	NA

INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	6
National Committee	23
University Committee	9
Faculty Committee	22
Community Committee	1

International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Imaging and Radiation Research; Open Access Journal published by EnPress Publisher LLC commenced on	Editorial Board Member	21 July 2020	21 July 2021
2	Nuclear & Medical Physics section, Heliyon Physics; Open Access Journal published by Elsevier Limited	Editor	13 May 2020	12 May 2022
3	Heliyon Physics; Open Access Journal published by Elsevier Limited	Associate Editor	13 May 2019	12 May 2020
4	The International Conference on Applied Medical Sciences (ICAMS-2017)	International Scientific Committee	18 November 2017	19 November 2017
5	Annals of Radiation Therapy and Oncology; Open Access Journal published by Remedy Publications LLC commenced on	Editorial Board Member	1 March 2017	1 March 2017
6	Heliyon; Open Access Journal published by Elsevier Limited	Editorial Board Member	27 May 2015	30 June 2019

National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	National Committee of Radiation Protection Officer Certification, Atomic Energy Licensing Board (AELB), Ministry of Science, Technology and Innovation (MOSTI).	Member	2 January 2021	31 December 2022
2	Expert Review of Form 4 Physics Secondary School Textbook for Malaysian Curriculum Standard, Ministry of Education Malaysia (Second Evaluation Workshop for Camera-Ready Copy)	Chairperson	13 May 2019	18 May 2019
3	Faculty of Applied Sciences and Technology, Universiti Tun Hussein Onn Malaysia (UTHM)	External Examiner	1 January 2019	31 December 2020

4	Physics for General Physics 1: Teaching PowerPoint lecture slides and Full Solutions (Checkpoint, Chapter Review and Chapter Assessment), Philippines Senior High School curriculum, Oxford Fajar Sdn. Bhd.	Chairperson of Expert Review	9 December 2018	30 April 2019
5	Physics for General Physics 2: Teaching PowerPoint lecture slides and Full Solutions (Checkpoint, Chapter Review and Chapter Assessment), Philippines Senior High School curriculum, Oxford Fajar Sdn. Bhd.	Chairperson of Expert Review	9 December 2018	30 April 2019
6	Form 4 Physics Secondary School Textbook for Malaysian Curriculum Standard, Ministry of Education Malaysia (First Evaluation Workshop for Camera-Ready Copy)	Expert Review	1 April 2019	6 April 2019
7	Physics for General Physics 1: Philippines Senior High School curriculum, Oxford Fajar Sdn. Bhd.	Chairperson of Expert Review	9 December 2018	24 December 2018
8	Oxford Fajar Polytechnic Series Engineering Science, Oxford Fajar Sdn. Bhd.	Expert Review	13 November 2018	18 January 2019
9	Physics Secondary School Southern Region Textbook for Malaysian Curriculum Standard	Expert Review	26 October 2018	26 October 2018
10	Biorisk Management Awareness Workshop Series, Southern Region	Coordinator	2 August 2017	3 August 2017
11	Allied Health Profession (AHP) for Medical Physicist, Ministry of Health	Steering Committee	13 April 2017	Present
12	Fully Worked Solutions for Physics Matriculation Semester 2 (Online Resources and Databases), Oxford Fajar Sdn. Bhd.	Expert Review	13 October 2017	30 April 2018
13	Fully Worked Solutions for Physics Matriculation Semester 1 (Online Resources and Databases), Oxford Fajar Sdn. Bhd.	Expert Review	13 October 2017	19 November 2017

14	Physics for Matriculation Semester 2 Fourth Edition, Oxford Fajar Sdn. Bhd.	Expert Review	7 January 2016	31 March 2016
15	Physics for Matriculation Semester 1 Fourth Edition, Oxford Fajar Sdn. Bhd.	Expert Review	12 November 2015	31 January 2016
16	Science and Engineering Inovation Competition for Malaysian High School, Malaysian Ministry of Education	Head of Judges	17 November 2015	17 November 2015
17	Malaysian Quality Evaluation System for Community Colleges (MySPeKK)	Panel of Auditors	2014	2015
18	Malaysian Quality Evaluation System for Private Colleges (MyQuest)	Panel of Auditors	2013	Present
19	Malaysian Quality Evaluation System for Polytechnic (Polyrate)	Panel of Auditors	2013	2014
20	Final Examination Paper Matriculation Programme Malaysia Ministry of Education	Panel of Physics Examiners	January 2004	January 2013
21	Matriculation Programme Malaysia Ministry of Education	Panel of Physics Assessors	January 2011	January 2016
22	Matriculation Programme Malaysia Ministry of Education	Panel of Physics Drafters	January 2012	January 2013
23	Malaysia Higher School Examination (STPM), Malaysian Examinations Syndicate	Panel of Physics Assessors	August 2013	August 2014

University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Taskforce for EnVision 2025, UTM Strategic Planning Committee.	Member	1 March 2020	1 March 2021
2	Pro Tem Management Committee	Member	7 March 2017	1 July 2018
3	Person in-charge for coordinating Universiti Teknologi Malaysia, Department of Biosafety, The Ministry of Natural Resources and Environment Malaysia and Malaysian Biosafety	Person in-charge	3 March 2017	Present

	and Biosecurity Association.			
4	Person in-charge for Memorandum of Understanding between Universiti Teknologi Malaysia and Malaysia Atomic Energy Licensing Board.	Person in-charge	13 February 2017	12 February 2022
5	UTM Emergency Response Team	Radiation Officer	7 Jan 2016	Present
6	Occupational Safety, Health and Environment (OSHE) Office	Deputy Director (Radiation and Biosafety)	1 March 2015	Present
7	Malaysian Journal of Fundamental & Applied Sciences Journal, Ibnu Sina Institute, UTM	Associate Editor	1 January 2013	31 December 2016
8	Malaysian Journal of Fundamental & Applied Sciences Journal, Centre for Sustainable Nanomaterials, Ibnu Sina Institute for Scientific and Industrial Research, UTM	Editorial Board Member	1 January 2017	30 December 2019
9	Radiation Safety Courses, UTM	Speaker/Facilitator	27 May 2011	Present

Faculty

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Task force for Physics Department Academic Promotion	Member	1 Mar 2018	Present
2	Head of Peers Group for Young Academician	Head	28 Mar 2016	31 Dec 2017
3	Academic and Examination Committee	Member	1 Mar 2016	Present
4	Physics Management Committee	Member	1 Mar 2016	Present
5	Head of Health Physics Programme	Head	21 Mar 2016	Present
6	Affiliate Research Fellow	Member	1 November 2016	Present
7	Head of Nuclear and Dosimetry Laboratory	Head	6 Jan. 2013	20 Mar 2016
8	Academic Advisor	Head	10 Sept. 2012	10 Sept. 2016

9	Advisor, Science & Technology Society (PESAT)		1 February 2013	1 February 2015
10	Energy Manager	Head	28 March 2011	31 Jan. 2013
11	Lab Equipment Supervisor	Supervisor	1 February 2013	Present
12	Industrial Visit Committee	Member	26 February 2005	Present
13	Lab Management Committee	Member	1 February 2013	Present
14	Physics Department Seminar Committee	Member	30 July 2013	Present
15	First Year Experience Committee	Member	1 March 2011	Present
16	KPT Technical Budget Committee	Member	29 October 2013	Present
17	Panelist 'How to get yourself employed'	Member	1 Jan. 2011	31 Dec. 2012
18	Physics coordinator for UTM-MARA programme	Coordinator	1 Jan. 2011	31 August 2012
19	Industrial Training Committee	Member	1 May 2005	1 May 2017
20	UTMOST imagination Committee	Member	1 Jan. 2011	28 March 2011
21	Facilitator of Radiation Safety Courses	Facilitator	27 May 2011	Present
22	Department of Physics Photography Coordinator	Coordinator	26 Oct. 2010	26 Oct. 2012

Community

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	Vice President of Parents-Teacher Association (PIBG), Sekolah Kebangsaan Sri Skudai, 2015-2017.	Vice President	1 Jan 2015	31 Dec 2017

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	Scientific Workshop "Challenges And Opportunity For International Cooperation In Natural Sciences"	Institute Of Physics, Vietnam Academy Of Science And Technology, The Joint Institute For Nuclear Research (Dubna, Russia)	27 November 2019	29 November 2019
2	Scientific Writing Workshop	Universiti Teknologi Malaysia	5 August 2019	6 August 2019

3	Electronic Signal Analysis in Nuclear Radiation	Universiti Teknologi Malaysia	12 June 2019	12 June 2019
4	PET experimental kit	Universiti Teknologi Malaysia	16 April 2019	16 April 2019
5	Radioactive Decay using Cobra4	Universiti Teknologi Malaysia	11 March 2019	11 March 2019
6	Workshop on Building Asia-Pacific Individual Monitoring Service (IMS) Capabilities Toward Regional Sustainable Network	Bangkok, Thailand	18 March 2019	20 March 2019
7	Radiation Protection Conference and Workshop	Meritus Pelangi Beach Resort & Spa, Pulau Langkawi	27 November 2018	28 November 2018
8	Safety and Health Officer (SHO) Course	National Institute of Safety and Health, Southern Region Office, Johor Bahru	8 July 2018	6 August 2018
9	National Workshop to Enhance Technical Knowledge for The Operation and Management of an On-Line Radiation Monitoring System	Atomic Energy Licensing Board (AELB), Bilik Mesyuarat Utama AELB	9 April 2018	13 April 2018
10	Realistic Adaptive Interactive Learning System (RAILS) Training	United States Department of Energy (DoE) National Nuclear Security Administration (NNSA) Office of Radiological (ORS) and Atomic Energy Licensing Board (AELB), Le Meridien Hotel, Putrajaya	27 February 2018	27 February 2018
11	2017 Inaugural Merdeka Meetings	Universiti Teknologi Malaysia	16 December 2017	16 December 2017
12	2 nd Practical and Theoretical Medical Physics Course: Quality Assurance of Computed Tomography	Advanced Medical and Dental Institute, Universiti Sains Malaysia	7 August 2017	8 August 2017
13	MBBA Biorisk Management Workshop Series	Malaysian Biosafety and Biosecurity Association, Le Grandeur Palm Resort, Johor	2 August 2017	3 August 2017
14	National Workshop on Nuclear Security Culture	International Atomic Energy Agency (IAEA) and Atomic Energy Licensing Board (AELB), Putrajaya	8 March 2017	10 March 2017
15	Seminar for Senior Managers on Nuclear Security Culture	International Atomic Energy Agency (IAEA) and Atomic Energy Licensing Board (AELB), Putrajaya	7 March 2017	7 March 2017
16	5 th Follow-Up Training Course (FTC) on Environmental	Malaysia Nuclear Agency	16 January 2017	27 January 2017

	Radioactivity Monitoring (ERM)			
17	Biosafety Course	Faculty of Bioscience and Biomedical Engineering, Universiti Teknologi Malaysia	16 August 2016	17 August 2016
18	National Institutional Biosafety Committee (IBC) Seminar	Ministry of Natural Resources and Environment Malaysia, Hotel Sama-Sama, KLIA	18 May 2016	18 May 2016
19	Nuclear Forensic Seminar	Malaysia Nuclear Agency	11 May 2016	11 May 2016
20	Radiation Protection Conference and Workshop	Johor Bahru	29 November 2016	2 December 2016
21	Radiation Safety Awareness and Emergency Preparedness Response Training and Workshop	UTM Training Centre	16 August 2015	18 August 2015
22	InLight MicroStar Operation	Universiti Teknologi Malaysia	27 November 2015	27 November 2015
23	Radiation Protection Conference and Workshop	Kota Kinabalu	9 June 2015	11 June 2015
24	Training Course on Radiation Protection for Officer: Industry, Level 3	Malaysian Nuclear Agency	4 February 2015	14 February 2015
25	Good Clinical Practice	Miri, Sarawak	14 May 2014	16 May 2014
26	Workshop on CRR Preparation using OBE Online System	Centre for Teaching and Learning, Universiti Teknologi Malaysia	21 January 2013	21 January 2013
27	Leadership Innovation Development and Transformation for The Young Lecturers Scheme	Higher Education Leadership Academy (AKEPT), and Ministry of Higher Education	8 June 2012	10 June 2012
28	Global Outreach Program: UTM delegation	Kyung Hee University, Republic of Korea	5 2012	6 July 2012
29	Global Outreach Program: UTM delegation	Korea Advanced Institute of Science and Technology (KAIST)	4 July 2012	4 July 2012
30	MCNP5 Workshop For Beginner 2012	Applied Radiation Science Research Group, Sustainability Research Alliance, Universiti Teknologi Malaysia	16 February 2012	17 February 2012
31	Energy Management Documentation Revision of UTM	Universiti Teknologi Malaysia	24 November 2011	26 November 2011
32	Operation of Gamma Spectroscopy System	Commermega Sdn. Bhd. and Canberra	1 November 2011	3 November 2011
33	Web 2.0 Technology for Teaching and Learning	Universiti Teknologi Malaysia	8 March 2011	8 March 2011
34	Business Plan for Researcher	Universiti Teknologi Malaysia	24 November 2010	26 November 2010

35	Radiation Protection Induction Course	Health and Safety Department, University of Surrey, UK	4 January 2009	4 January 2009
36	MCNP and MCNPVised for Beginner and Advanced Output with PTRAC	IEEE Gold (Malaysia) and Universiti Putra Malaysia	29 Oktober 2008	31 Oktober 2008
37	17 th Annual User Workshop	Engineering and Physical Sciences Research Council and The Ion Plasma Surface Interactions Group of the Institute of Physics, U.K	18 March 2008	18 March 2008
38	Research & Development Approaches and Management for Young Scientists	Academy of Sciences Malaysia	13 November 2006	24 November 2006
39	Matlab 7 For Beginners	School of Professional and Continuing Education (SPACE)	16 September 2006	17 September 2006
40	Excellent Scientist Programme Motivational Course	Ibn Sina Institute, Faculty of Science, UTM	24 February 2006	26 February 2006
41	Workshop on Radiation Transport Calculation	Malaysian Institute for Nuclear Technology Research (MINT) and International Atomic Energy Agency (IAEA)	18 April 2005	29 April 2005
42	Seminar on Computer Vision and Computation in Medicine	Institute of Physics, London, UK	4 May 2004	4 May 2004
43	Leadership and Management Skills for The Young Lecturers Scheme	Higher Education Department, Ministry of Education and Biro Tatanegara, Prime Minister Department	21 July 2003	24 July 2003
44	Article Writing	Universiti Teknologi Malaysia	21 May 2003	22 May 2003
45	Human Development	Faculty of Science, UTM	25 April 2003	27 April 2003
46	Research Methodology	Universiti Teknologi Malaysia	24 March 2003	3 April 2003
47	Communication and Interpersonal Skills	Universiti Teknologi Malaysia	14 January 2003	15 January 2003
48	Induction Course	Universiti Teknologi Malaysia	30 Sept. 2002	12 Okt. 2002
49	How to Build Exam Question	Matriculation Division, Ministry of Education	8 May 2002	11 May 2002

RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	2 projects (RM 590 000.00)
Principal Investigator- National Grants	6 projects (RM 631 140.00)
Principal Investigator- UTM Grants	13 projects (RM 974 450.00)
Member- International Grants	2 projects (RM 1 126 970.00)
Member- National Grants	16 projects (RM 5 830 626.89)
Member- UTM Grants	11 projects (RM 319 798.00)

As a principal investigator

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Safety Concern Related to Consumer Products Containing Radioactive Materials in Malaysia	Principal Investigator	UTM	UTM High Impact Research Grant	RM 100000	01/01/2020	31/12/2021	09G08
2	Correlation Between Radon/Thoron Concentrations with Commercially Available Used Building Materials	Principal Investigator	UTM	UTM Shine Signature Grant	RM 160000	01/04/2019	31/03/2021	07G82
3	In-Situ Measurement of Radon (^{222}Rn) And Thoron (^{220}Rn) Concentrations in Soil Gas, Water and Air	Principal Investigator	UTM	UTM Shine Signature Grant	RM 90000	01/04/2019	31/03/2021	07G90
4	Computer Tomography Dose Index in Estimating Patient Doses For Multi-Slice Computer Tomography Scanners	Principal Investigator	UTM	Research University Grant	RM 40000	01/07/2017	30/06/2019	17H79
5	Establishment of Optically Stimulated Luminescence Dosimeters (OSLD's) in medical X-ray procedures	Principal Investigator	UTM	Research University Grant	RM 50000	01/01/2017	31/12/2018	03G72

6	Establishment of Adaptive Iterative Dose Reduction (AIDR) 3D Techniques In Abdomen-Pelvis Computer Tomography (CT) Examinations	Principal Investigator	UTM	Research University Grant	RM 50000	01/07/2016	30/06/2018	13H39
7	Doped Silica Optical Fiber As Thermoluminescence Radiation Dosimeters	Principal Investigator	UTM	Research University Grant	RM 49950	01/05/2015	31/10/2016	10H60
8	Characterization and Fundamental Properties of Radiosensitive Borate Glass	Principal Investigator	UTM	Research University Grant: Program Saintis Negara (PSAN)	RM 28500	01/05/2014	30/04/2015	10J37
9	Optical and Thermoluminescence Properties of Lithium Sodium Borate Glass Doped with Nano Gold: TL performance in Radiotherapy Doses	Principal Investigator	UTM	Postdoctoral Research University Grant (PDRU)	RM 71000	01/04/2014	31/03/2015	01E52
10	Characterization of a tailor-made optical fibres for computed tomography (CT) dosimetry system	Principal Investigator	UTM	Research University Grant	RM 50000	01/04/2014	31/03/2015	07H59
11	The potential use of Optical Fibre Doped Silica Glass as a Thermoluminescence System for Radiotherapy Dosimetry	Principal Investigator	UTM	Research University Grant	RM 100000	01/05/2012	30/04/2014	03H27
12	Physically-based biodosimetry detected by electron paramagnetic resonance (EPR) for radiation accident emergency management	Principal Investigator	UTM	Research University Grant	RM 165000	01/04/2011	31/03/2013	01H60

13	Radioactivity in the Living Environment: A Need for Harmonization of Legislative Control	Principal Investigator	UTM	Industry-International Incentive Grant	RM 20000	01/11/2020	31/10/2021	02M58
14	Multi-slice Scanning Computed Tomography Diagnostic Reference Levels Initiation in Malaysia	Principal Investigator	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 83000	01/09/2019	31/08/2021	5F222
15	Characterization and Fundamental Properties of Radiosensitive Borate Glass doped with Nano Gold Particles for Radiotherapeutic Measurement	Principal Investigator	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 90000	01/04/2013	31/03/2015	4F168
16	Safety Concern Related to Consumer Products Containing Radioactive Materials in Malaysia	Principal Investigator	Ministry of Science, Technology and Innovation (MOSTI)	Kumpulan Wang Amanah (KWA) Majlis Sains dan Penyelidikan Kebangsaan (MSPK) Research Grant	RM 294 000	01/01/2021	31/12/2021	TBA
17	Malaysia Approach towards Nuclear Safety and Nuclear Security Culture	Principal Investigator	Atomic Energy Licensing Board (AELB)	Business Entity Research Grant	RM 96140	13/02/2017	12/02/2022	4Y232
18	Radon activity concentration measurements from water sources in Perak	Principal Investigator	Intech Scientific Sdn. Bhd.	University-Industry Contract Research Grant	RM 15000	01/10/2020	30/09/2021	4C403
19	Safety Concern Related to Cosmetic and Healthcare Consumer Products Containing Radioactive	Principal Investigator	Intelligent Science Sdn. Bhd.	University-Industry Contract Research Grant	RM 53000	01/03/2020	28/02/2020	4C347

	Materials in Malaysia							
20	Strengthening the Regulatory Infrastructure for Radiation and Nuclear Safety	Principal Investigator	International Atomic Energy Agency (IAEA)	Business Entity Research Grant	RM 350000	23/11/2015	22/11/2022	4Y231
21	Development and Investigating the Potential of Optical Fibre Doped Silica Glass as a Thermoluminescence System for Clinical Radiotherapy Dosimetry	Principal Investigator	King Abdulaziz City for Science and Technology 2011 Research Grant	Business Entity Research Grant	RM 240 000	01/05/2014	30/04/2016	4Y229

As a scientific member

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT(UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Predicting Terrestrial Gamma Dose Rate Based on Geological and Soil Information	Co-researcher	UTM	UTMShine Signature Grant	RM 40,000	01/04/2019	31/03/2021	07G85
2	Environmental Friendly Anti-Radon Building Materials for Mitigating Indoor Radon Concentration	Co-researcher	UTM	UTMShine Signature Grant	RM 30,000	01/04/2019	31/03/2021	07G91
3	Resolution Optimization for Radiographic Imaging	Co-researcher	UTM	Research University Grant	RM 50,000	01/02/2018	31/01/2020	20H35
4	Development of Back-Scattered X-Ray Radiography System For Cargo Scanning	Co-researcher	UTM	Research University Grant	RM 50,000	01/02/2018	31/01/2020	20H07
5	Development of Neutron Statistical Calculator for Weak Nuclear Response	Co-researcher	UTM	Potential Academic Staff	RM 20,000	01/09/2015	30/11/2016	01K99

	Study Of Double Beta Decay Experiment							
6	Assessment of radiological risk in the products and by products of amang and ilmenite tin tailing process at small amang industries at Perak, Malaysia	Co-researcher	UTM	Research University Grant	RM 50,000	01/04/2014	31/03/2015	07H71
7	The suitability studies of Nuclear Power Plant Site in state of Johore	Co-researcher	UTM	Research University Grant	RM 14,8000	01/04/2011	31/03/2013	00H70
8	The thermoluminescence characteristics of $\text{LiKB}_4\text{O}_7:\text{Cu}$ and $\text{LiKB}_4\text{O}_7:\text{Ge}$ glass for ionizing radiations measurement	Co-researcher	UTM	Research University Grant	RM 40,000	01/04/2011	31/07/2012	00J64
9	Thermoluminescence response of calcium tellurite borate based glass for dose measurement subjected to photon irradiation	Co-researcher	UTM	Research University Grant	RM 40,000	01/04/2011	31/07/2012	00J58
10	Synthesis and Characterization of High Purity 100Ru Thin Film For Double Beta Decay Detection	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 69,112	15/08/2017	14/08/2019	4F971
11	Establishment of Correlation Algorithms in Improving Image Quality for Nuclear Medical Imaging System	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 139000	01/12/2014	30/11/2016	4X072

12	Mammographic phantom image analysis	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 57,000	01/07/2014	30/06/2016	4F501
13	Establishment of Correlation between Body Weight/Size Parameter to the High Energy Window Selection in Nuclear Imaging System to Enhance Image Quality	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 139 000	01/04/2013	31/03/2015	FRGS/2 /2014/T K03/UP M/02/3
14	A Novel Concept of a 3D Wire Mesh Collimator	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 100 000	Sept 2007	August 2009	78204
15	Characterization and Fundamental Properties of Radiosensitive Doped SiO ₂ Optical Fibres for Radiotherapeutic Measurement	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	FRGS	RM 100 000	Sept 2007	August 2009	4F971
16	The study of fundamental properties and performance of silica-based Thermoluminescence dosimeter (TLD)	Co-researcher	Ministry of Science, Technology and Innovation (MOSTI)	Academy of Sciences Malaysia	RM 100 000	Sept 2007	August 2009	73708
17	Development of Continuous Sinogram Reader for 3D Nuclear Imaging Systems	Co-researcher	Ministry of Science, Technology and Innovation (MOSTI)	Science Fund Research Grant	RM 272 000	01/06/2015	31/5/2017	4X073
18	Evaluation and Assessment of Wire Mesh Collimator Gamma Camera (Nuclear Imaging) /	Co-researcher	Ministry of Science, Technology and Innovation (MOSTI)	Brain Gain Malaysia Programme	RM 254 000	November 2008	October 2010	NA

	Brain Gain Malaysia							
19	Development of High Speed Electronics Read-outs for Highly Sensitive Mobile Gamma Camera in Breast Cancer Imaging System	Co-researcher	Ministry of Science, Technology and Innovation (MOSTI)	Science Fund Research Grant	RM 403600	01/12/2011	1/11/2013	SF1183
20	Design, Fabrication and Characterization of Doped Silica Optical Fibre As Thermoluminescence Radiation Dosimeters	Co-researcher	Ministry of the Higher Education of Malaysia (MOHE)	University Malaya High Impact Research (HIR)	RM 4 000 000	01/04/2012	31/03/2015	4X071
21	Empowering Science, Technology, Engineering and Mathematics (STEM) Education to School Students Through National Science Challenge 2018 (NSC2018) Semi-Final Level	Co-researcher	UTM	Centre for Community and Industry Network (CCIN)	RM 23012	09/01/2018	15/08/2018	4X283
22	Menaiktaraf Fasiliti Asas bagi Meningkatkan Kehidupan dan Ekonomi Asnaf	Co-researcher	UTM	Centre for Community and Industry Network (CCIN)	RM 11986	01/08/2017	31/08/2017	4X283
23	Radiation Shielding Design and Monitoring Using MCNP5 and On-Site Personal Radiation Detector	Co-researcher	Billion Prima Sdn. Bhd.	University-Industry Contract Research Grant	RM 31000	20/12/2019	19/12/2021	4C325

24	ANSI & IEC standard compliance scientific and technical consultation for cargo and vehicle inspection	Co-researcher	Billion Prima Sdn. Bhd.	University-Industry Contract Research Grant	RM 33000	20/12/2019	19/12/2021	4C326
25	Calibration and compliance of Malaysia Radiation Portal Monitor (My-RPM) for monitoring of inspection area	Co-researcher	Billion Prima Sdn. Bhd.	University-Industry Contract Research Grant	RM 86000	20/12/2019	19/12/2021	4C324
26	Statistical Estimation of Muon Capture Neutrino Response by Proton and Neutron Emission Model'	Co-researcher	Billion Prima Sdn. Bhd.	University-Industry Contract Research Grant	RM 15000	01/02/2018	31/01/2019	01M14
27	Muon Absolute Lifetime Measurement at MUSIC Facility, Osaka	Co-researcher	Billion Prima Sdn. Bhd.	University-Industry Contract Research Grant	RM 31914.89	31/08/2018	31/08/2018	4C153
28	Transference From Crime Scene To Forensic Evidence: Linking Land-Use, Erosion, Sediment And Quantitative Evaluation Of Erosion In Kelantan River Basin, Malaysia	Co-researcher	Rasmussen Family Foundation Research Grant	University-Industry Contract Research Grant	RM 476 970	01/09/2016	31/03/2020	4B243
29	Monte Carlo Simulation of photon-induced positron annihilation radiation (PIPAR)	Co-researcher	Kansas State University, U.S - University of Surrey, U.K	University-Industry Contract Research Grant	RM 650 000	January 2009	March 2010	4X071

COLLABORATION / MOU

NO	NAME OF MOU	LEVEL OF MOU (NATIONAL/INTERNATIONAL)	STARTING DATE	ENDING DATE
1	Atomic Energy Licencing Board (AELB) – Universiti Teknologi Malaysia (UTM)	NATIONAL (ON THE EXCHANGE OF TECHNICAL INFORMATION AND COOPERATION IN NUCLEAR AND RADIATION SAFETY, SECURITY OF RADIOACTIVE AND NUCLEAR MATERIALS AND SAFEGUARDS OF NUCLEAR MATERIALS)	13 February 2017	12 February 2022

TEACHING ACTIVITIES

Summary	
Total Credit Hours	126

UNDERGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
20202021	1	SSCP 4233	Radiation Protection	3	12
20192020	2	SSCP 4253	Medical Physics	3	11
20192020	1	SSCP 4233	Radiation Protection	3	11
20182019	2	SSCP 4253	Medical Physics	3	5
20182019	1	SSCP 4253 SSCP 4233	Medical Physics Radiation Protection	3	5
20172018	2	SSCP 4253	Medical Physics	3	15
20172018	1	SSCP 4223	Radiation Detection	3	15
20162017	2	SSCP 4253	Medical Physics	3	3
20162017	1	SSCP 4223	Radiation Detection	3	3
20152016	2	SSCP 4253 BWC 32002 (UTHM)	Medical Physics Physics Laboratory V (Health Physics)	3 2	10 16
20152016	1	SSCP 2213	Nuclear Physics	3	30
20142015	2	SSCP 1102	Introduction to Physics Program	2	30
20142015	2	SSCP 4253	Medical Physics	3	10
20142015	2	SSP 3233	Biophysics	3	20
20142015	2	BWC 32002 (UTHM)	Physics Laboratory V (Health Physics)	2	16
20142015	1	SSCP 2213	Nuclear Physics	3	30
20122013	1	SSCP 2213	Nuclear Physics	3	30
20142015	1	SSCP 3811	Physics Lab I	1	20
20192020	1	SSCU 4902 SSCU 3922	Undergraduate Project I	2	4
20182019	1			2	4
20172018	1			2	4
20162017	1			2	4
20152016	1			2	4

20142015	1			2	4
20122013	1			2	4
20192020	2	SSCU 4904	Undergraduate Project II	4	4
20182019	2			4	4
20172018	2			4	4
20162017	2			4	4
20152016	2			4	4
20142015	2			4	4
20132014	2			4	4
20122013	2			4	4
20132014	3	SSCU 3915	Industrial Training	5	5
20122013	2	CSCF 0034	Physics II	4	30
20102011	2	SSP 3272	Radiotherapy	2	6
20112012	1	SSP 3213	Radiation Detection & Measurement	3	6
20122013	2	SSP 3233	Biophysics	3	20
20082009				3	20
20112012	2	SSF/SSP 1223	Modern Physics	3	30
20042005	2	SSF 2173	Thermodynamics	3	30
20112012	2	FIZ 0113	Physics II: Electric & Magnet	3	30
20042005					
20022003	2	SSF 1801	Physics Lab I	1	20
20022003	1	SSF/SSP 1811	Physics Lab II	1	20
20052006	1	SSF	Physics Lab IV	1	20
20042005	2	2861/2871/3831		1	20
Total credits				126	

POSTGRADUATES

Semester	Sem	Subject Code	Subject	Credit Hour	No of Student
20202021	1	USCP0010/MSCF1813	Research Methodology	3	15
20192020	1	USCP0010/MSCF1813	Research Methodology	3	11
Total credits				6	

SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	12
Co-Supervisor – PhD (Graduated)	6
Main Supervisor – PhD (Ongoing)	7
Co-Supervisor – PhD (Ongoing)	0
Main Supervisor- Master by Research (Graduated)	10
Main Supervisor- Master by Research (On-Going)	0
Co-Supervisor – Master by Research (Ongoing)	1
Main Supervisor- Master by Taught Course (Graduated)	0
Main Supervisor- Master by Taught Course (On-Going)	0
Main Supervisor- Master by Mixed-Mode (Graduated)	2
Main Supervisor- Master by Mixed-Mode (On-Going)	0
Main Supervisor- Undergraduate (Graduated)	18
Main Supervisor- Undergraduate (On-Going)	0

PhD Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Roles of Supervision
1	Noor Zati Hani Abu Hanifah Register on 30/11/2020	PSC203018	On-going 2020 – present	Assessment of the exposed dose with TENORM added in consumer products using monte carlo simulation	Main supervisor
2	Halmat Jalal Hassan Register on 17/10/19	PSC193022	On-going 2019 – present	Consumer products contained radioactive materials	Main supervisor
3	Lookman Adeleke Abdullah Register on 17/6/19	PSC193001	On-going 2018 – present	Brain Age Prediction using Magnetic Resonance Imaging and Computational Intelligence	Main supervisor
4	Ibrahim Abdullahi Register on 27/2/18	PSC173051	Completed (18/10/2020) 2018 –2020	Lasing And Thermoluminescence Features Of Samarium/Dysprosium Co-Doped Barium- Sulfur-Telluro-Borate Glass Embedded With Pure Gold Nanoparticles	Main supervisor
5	Ahmad Umar Ahmad Register on 26/2/18	PSC173045	Completed (30/11/2020) 2018 –2020	Luminescence Attributes Of Dysprosium Doped Lithium-Strontium-Zinc- Borate Glass Embedded With Silver And Pure Gold Nanoparticles	Main supervisor
6	Noor Fadilla Ismail Register on 5/9/17	PSC173002	On-going 2017 – present	Outdoor ²²² Rn And ²²² Rn Concentration In Negeri Sembilan And Malacca With Their Relationship To Soil Type And Geological Formation.	Main supervisor
7	Habila Nuhu Register on 19/9/17	PSC173032	On-going 2017 – present	Geogenic Mapping Of Radon And Thoron Concentration Measurements In Perak State Malaysia	Main supervisor
8	Haruna Rakiya Register on 22/10/17	PSC173037	Completed (13/1/2021) 2017 – 2021	Geogenic Radon and Thoron Potential Mapping in Johor State, Malaysia	Co-supervisor
9	Ratna Suffhiyanni Omar Register on 20/2/17	PSC163042	Completed (9/8/2020) 2017 – 2020	Anthropomorphic Phantom Organ Dose Assessment Using Optically Stimulated Luminescence Dosimeters Unified In Multi-Detector Computed Tomography	Main supervisor

10	Naser Khamis Said Al Shekaili Register on 20/2/17	PSC163043	On-going 2017 – present	Development Of A Solution-Processed Hybrid System Based On PTB7:PC70BM:TiO ₂ For The Application Of Solar Cells	Main supervisor
11	Andrew Ichoja Register on 26/2/17	PSC163046	On-going 2017 – present	Physical, Structural And Optical Absorption Analysis Of Dysprosium Ion Doped Strontium Magnesium Borate Glass System: Judd-Ofelt Approach	Main supervisor
12	Ahmad Hussein Mohammad Alomari Register on 26/2/17	PSC163044	Completed (10/12/19) 2017 – 2019	Environmental Radiological Study of Jordan	Co- supervisor
13	Asmah Bohari Register on 23/8/16	PSC163011	Completed (2/7/2020) 2016 – 2020	Personnel Dose Monitoring During Fluoroscopy-Guided Interventional (FGI) Procedures At Institut Kanser Negara	Main supervisor
14	Yahaya Musa Register on 23/9/15	PSC153022	Completed (12/9/18) 2015 – 2018	Determination of Optically Stimulated Luminescence Dosimetric characteristics and suitability for entrance surface dose assessment in diagnostic x-ray examinations	Main supervisor
15	Mohammed Moftah Ahmed Damoom Register on 16/2/15	PSC143059	Completed (31/3/18) 2015 – 2019	Siting Consideration for Nuclear Power Plant in Saudi Arabia	Main supervisor
16	Mohamad Annuar Assadat Husain Register on 3/9/14	PS143014	Completed (31/3/18) 2015 – 2019	Spent Nuclear Fuel Characterisation at the Triga Mark II Research Reactor	Main supervisor
17	Muhammad Khalis Abdul Karim Register on 12/2/14	PS133052	Completed (12/1/17) 2014 – 2017	Radiation Dose, Cancer Risk And Optimization Process In Routine Computed Tomography (CT) Examinations	Main supervisor <i>(Chancellor Award Recipient: 29 April 2017)</i> <i>(Best Student Award: PhD in Physics)</i>
18	Ismael Mohammed Mohammed Saeed Register on 6/11/13	PS133036	Completed (3/1/18) 2013 – 2018	The Radiological and Safety Considerations of Nuclear Power Plant Siting in Iraq	Co-supervisor

19	Nor Afifah Basri Register on 28/8/13	PS133009	Completed (12/11/17) 2013 – 2017	Kajian Keselamatan Calon Tapak Loji Tenaga Nuklear di Semenanjung Malaysia	Main supervisor
20	Mohammad Hasan Salman Abu Mhareb Register on 7/2/13	PS123098	Completed (22/9/15) 2013 – 2015	Dosimetric properties of Lithium Magnesium Borate Glasses Doped with Dysprosium and Phosphorus Oxide for Radiation Dose Measurement	Main supervisor
21	Norehan Mohd. Noor Register on 17/1/11	PS103121	Completed (1/8/16) 2011 - 2016	Potassium tartrate as a new EPR dosimetry material	Co-Supervisor
22	Atiqah Ab Rasid Register on 7/3/11	PS103198	Completed (21/5/15) 2011 - 2014	The thermoluminescence properties of calcium borate tellurite and lithium borate glasses for dose measurement subjected to ionizing radiation	Co-Supervisor
23	Yasser Saleh Mustafa Alajerami Register on 3/8/11	PS113004	Completed (2/1/14) 2011 - 2014	Characterization and Fundamental Properties of New Composition of Lithium Borate Glass: Thermoluminescent Properties in Radiotherapy Doses	Main supervisor (<i>Pro- Chancellor Award Recipient: 24 May 2014</i>) (<i>Best Student Award: PhD in Physics</i>)
24	Lim Tou Ying Register on 16/7/10	PS103046	Completed (21/5/15) 2010 - 2014	The thermoluminescence response of dysprosium doped strontium borate glass subjected to ionizing radiation	Co-Supervisor

MSc. Student

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Mode (Research / Taught- course/ Mixed Mode)	Roles of Supervision
1	Nur Dalilah Othman Register on 28/8/19	MKA193002	On-going 2015 - present	Terrestrial radon survey on active fault line in Peninsular Malaysia based on geophysical soil structure	Research	Co- Supervisor

2	Nasuha Salehoh Register on 25/8/15	MSC153005	Completed (20/11/19) 2015 - 2019	The Measurement of Dose Profile of 16, 80 and 124 Multi-Slice Computed Tomography	Research	Main Supervisor
3	Ang Wee Chin Register on 25/8/15	MSC153028	Completed (3/10/17) 2015 - 2017	Adaptive iterative dose reduction 3D effects on image quality and radiation dose in CT Abdomen pelvis	Research	Main Supervisor
4	Nur Ashiqin Bahrud Din Register on 10/2/15	MSC143046	Completed (1/3/17) 2015 – 2017	Size-Specific Dose Estimates For Adult Patients In Computed Tomography Examinations	Research	Main Supervisor
5	Siti Noor Hafizah Ibrahim project start on 1/3/13	MS122056	Completed (21/1/14) 2014	Physical And Optical Properties Of Lithium Potassium Borate Glass Doped With Neodymium	Mix Mode	Main Supervisor
6	Nashru Amira Razak Register on 29/8/13	MS133006	Completed (28/10/15) 2013 - 2015	Thermoluminescence and optical properties of lithium sodium borate doped with erbium oxide and neodymium oxide.	Research	Main Supervisor
7	Shaidatul Asrin Azizan Register on 4/9/13	MS133008	Completed (4/10/15) 2013 - 2015	Physical, structural and luminescent properties of lithium potassium borate glass doped with dysprosium and praseodymium	Research	Main Supervisor <i>(Best Student Award: Master in Physics; 22 April 2016)</i>
8	Raghda Saifeddin Said Dawaud Register on 10/4/13	MS123103	Completed (17/6/15) 2013 - 2014	Optical And Thermoluminescent Properties of Lithium Borate Glass doped with Dysprosium or Samarium	Research	Main Supervisor
9	Majdi Mohammad Alyan Maqableh project start on 1/3/13	MS122088	Completed (2/10/13) 2013	Optical And Physical Properties Of Europium Doped Lithium Potassium Borate Glass	Mix Mode	Main Supervisor
10	Siti Shuwaibah Che Omar Register on 7/9/12	MS123070	Completed (8/4/15) 2012 - 2014	The assessment of a tailor-made optical fibre subjected to ionizing radiation	Research	Main Supervisor
11	Siti Aishah Ibrahim Register on 6/9/12	MS123007	Completed (9/7/15) 2012 - 2014	The performance of a tailor-made optical fibre subjected to photon irradiation	Research	Main Supervisor

12	Siti Nurbayah Buang Register on 1/10/11	MS113058	Completed (8/1/14) 2011-2014	The Thermoluminescence Response Of Doped Silicon Dioxide Optical Fibres Subjected To Electron Irradiation	Research	Main Supervisor
13	Nurul Ain Mohamad Sharif Register on 1/10/11	MS113056	Completed (4/12/13) 2011-2013	The Thermoluminescence Response of Optical Fibres Subjected to Photon Irradiation	Research	Main supervisor

Undergraduate

No.	Name	No. Matric	Status (Graduated/ On-Going)	Title	Roles of Supervision
1	Ili Wani bt Abdul Latip	A16SC0068	Completed June 2020	Students and public awareness on radioactive materials in consumer products	Main Supervisor
2	Andi Azamuddin bin Andianwar	A15SC0254	Completed June 2020	Data visualization and dose mapping using R programming	Main Supervisor
3	Siti Aishah bt Mahadzir		Completed May 2019	Optically simulated luminescence (OSL) nanodot dosimeters Characterization in determining entrance surface dose of eyes and thyroids during computed tomography examinations	Main Supervisor
4	Shahani bt Syamsul		Completed May 2019	Head and Neck phantom organ dose assessment using nanodots optically simulated luminescence dosimeter in computed tomography	Main Supervisor
5	Nurul Najihah Alias		Completed June 2018	The energy and angular dependent of nanodot and personnel optically simulated luminescence dosimeter	Main Supervisor
6	Amran bin Tura		Completed June 2018.	Compton effect of ion rod target subjected to various angles using multi-channel analyser (MCA)	Main Supervisor
7	Nurul Afidah bt Kamarudin		Completed June 2018	Light Induced fading in the optically simulated luminescence (OSL) of carbon-doped aluminium oxide ($Al_2O_3:C$)	Main Supervisor
8	Ku Nur Liyana bt Ku Azman		Completed June 2018	Dosimetric properties of nanodots and personal dosimeters subjected to X-Rays and Co-60 Irradiation	Main Supervisor

9	Siti Najihah bt Huzaidi		Completed June 2017	Linearity and accuracy test: The performance of OSL environmental dosimeter subjected to Co-60 Irradiations	Main Supervisor
10	Siti Hajar bt Suliman		Completed June 2016	Pelupusan bahan radioaktif dan analisis penilaian risiko dalam pelan kecemasan radiologikal dan nuklear	Main Supervisor
11	Nur Nafiah bt Rosdi		Completed June 2016	The evaluation of thermoluminescence (TL) parameters using initial rise and peak shape methods	Main Supervisor
12	Nasuha bt Salehnon		Completed June 2015	A comparison analysis on the entrance surface dose of posteroanterior chest X-Ray examination	Main Supervisor
13	Azizul Hakimi bin Abdullah		Completed June 2015	Assesment of organ effective dose from posterior-anterior chest X-Ray examination using Monte Carlo method	Main Supervisor
14	Fauziah bt Sallih		Completed June 2014	Thermoluminescence properties of Ge-Doped SiO ₂ optical fibres subjected to 6 MV photon irradiations	Main Supervisor
15	Noor Hidayah Jaafa		Completed July 2012	The concentration of natural radionuclides in drinking water	Main Supervisor
16	Arjiry Ital		Completed July 2012	Measurement of natural radioactivity in powdered milk	Main Supervisor
17	Nadhirah Mohamad		Completed July 2012	Natural radioactivity contents and radiation dose in tobacco using gamma spectroscopy	Main Supervisor
18	Siti Alrina Zainal Rain Rancis		Completed July 2012	Natural radioactivity contents in bottled mineral water using gamma spectroscopy	Main Supervisor

UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
PhD. Internal Examiner	5
MSc. Internal Examiner	8
Fast track student examiner	0
Others Examiner	0

PhD Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Internal Examiner	Mr. Muhammad Arif Bin Sazali	Ant Colony Optimization of Shielding for Mixed Neutron and Gamma Radiations	2019
2	Internal Examiner	Ms. Hamiza Binti Ahmad Tajuddin	Thermoluminescence Dosimetric Properties of Silica and Calcium Borate nanocrystal for High Dose Radiation	2019
3	Internal Examiner	Ms. Wedad Ali Al-Qadhi	Assessment of natural radioactivity level in groundwater from selected areas in Juban district, Yemen	2017
4	Internal Examiner	Mr. Mohamad Syazwan Mohd Sanusi	Kajian Radiologi Alam Sekitar Semenanjung Malaysia dan Anggaran Implikasi Radiologi Menggunakan Kod Simulasi Monte Carlo MCNP5	2017
5	Internal Examiner	Mr. Habu Tela Abba	Environmental Radiological Study of Jos Plateau, Nigeria	2017

MSc Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	Internal Examiner	Zaidatul Aslamiah Tumijan	Determination of Arsenic, Lead and Mercury in contaminated water via Electrokinetic remediation	2019
2	Internal Examiner	Siti Farahwahidah Binti Amdan	Borosilicate glass for radioactive waste management	2018
3	Internal Examiner	Siti Fharhana Binti Yusof	Kajian Radiologi Alam Sekitar di Daerah Tawau, Sabah	2017
4	Internal Examiner	Auwalu Baballe	The radiological impact of soil radon gas and water in Segamat	2016
5	Internal Examiner	Hayder Khudair Obayes	Thermoluminescence response of nanogold-doped lithium borate glass subjected to photon irradiation	2014
6	Internal Examiner	Nor'Aida Binti Khairuddin	Mammographic Phantom Image Analysis from Receiver Operating Characteristic (ROC) Curve	2014
7	Internal Examiner	Faezeah Abd. Ghani	Comparison of noise power spectrum of computed mammography and full-field digital mammography	2014

8	Internal Examiner	Muhammad Khalis Abdul Karim	Assessment of heavy metals and selected minerals content from organic and inorganic Brassicas using wavelength dispersive X-ray Fluorescence Spectrometer	2013
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EXTERNAL EXAMINATION/ VIVA

Summary	
PhD. External Examiner	10
MSc. External Examiner	8
Others Examiner	0

PhD External Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	External Examiner	Mr. Hammam Abdullah Abdurabu Thabit (Pusat Pengajian Sains Fizik, Universiti Sains Malaysia, 4 August 2020)	Synthesis of Ag-Doped ZnO Film, ZnO/Ag/ZnO Multilayer Film and Ag/Y Co-Doped ZnO Nanopowder-Pellet for Thermoluminescence Studies and Dosimetry Applications	2020
2	External Examiner	Ms. Azlina Binti Mohammad Jais (Faculty of Science, Universiti Kebangsaan Malaysia, 9 July 2020)	Kajian Transformasi Lembaga Perlesenan Tenaga Atom Malaysia (LPTA) Kepada Satu Bentuk Badan Kawalselia Nuklear Yang Bersifat Bebas	2020
3	External Examiner	Ms. Noorshaida Binti Kamarudin (Pusat Pengajian Sains Pergigian, Universiti Sains Malaysia, 8 July 2020)	Bone Mineral Density of the Jaw and its relationship with osteoporosis	2020
4	External Examiner	Ms. Puteri Nor Khatijah Abd Hamid (Pusat Pengajian Sains Fizik, Universiti Sains Malaysia, 5 March 2019)	Fabrication and Characterizations of Corn Starch-Bonded Rhizophora spp. Particleboards as Phantom for SPECT/CT Imaging	2019
5	External Examiner	Mr. Marwan Ahmed Mostafa Al-Shipli (Pusat Pengajian Sains Fizik, Universiti Sains Malaysia, 21 February 2019)	Contrast Stretching and CLAHE image processing methods to improve visibility of liver lesions: A phantom study via single and dual energy CT protocols	2019
6	External Examiner	Ms. Che Nor Aniza Che Zainul Bahri (Faculty of Science, Universiti Kebangsaan Malaysia, 29 August 2018)	Sintesis Torium Tetraflorida (ThF ₄) daripada monazit tempatan serta penilaian garam lebur florida (LiF-	2018

			NaF-KF) sebagai pembawa bahan api untuk Reaktor Cecair Torium Florida (LFTR)	
7	External Examiner	Ms. Mazleha Maskin (Faculty of Science, Universiti Kebangsaan Malaysia, 1 March 2018)	The Development Of Level-1 Probabilistic Safety Assessment And Specific Raw Data Procedure For Puspatti Triga Reactor	2018
8	External Examiner	Ms. Wadeeah M. Al-Areqi (Faculty of Science, Universiti Kebangsaan Malaysia, 12 February 2018)	Radiochemical Separation and Recovery of Thorium from Malaysian Monazite and Rare Earth Extraction Residue	2018
9	External Examiner	Mr. Ahmed Mousa Mohammed Abedelaal (Biophysics Department, Faculty of Science, Cairo University, 22 August 2017)	Factors Affecting the Out-of-Field Dose in Conformal and Intensity Modulated Therapy	2017
10	External Examiner	Ms. Mahfuza Begum (Faculty of Engineering, Multimedia University, 8 December 2016)	Thermoluminescence Response of Doped Silica Optical Fibres in Radiation Dosimetry	2016

MSc External Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1	External Examiner	Ms. Nur Diyana Afrina Binti Mohd Hizam (Faculty of Medicine, Universiti Malaya, 14 July 2020)	Assessment of Intensity Modulated Radiotherapy Treatment Quality in Malaysia	2020
2	External Examiner	Ms. Zuraida Binti Ramli (Institut Perubatan dan Pergigian Termaju, Universiti Sains Malaysia, 17 June 2020)	Development of an Abdominal Computed Tomography Phantom for Evaluation of Image quality and Radiation Dose	2020
3	External Examiner	Mr. Ahmad Hayaton Jamely Bin Mohd Salehuddin (Faculty of Science, Universiti Kebangsaan Malaysia, 25 February 2020)	Kajian Kecekapan Pengekstrakan Torium Daripada Pelarut D ₂ EHPA Dan Alikuat-336 Serta Penentuan Kos Penghasilan ThO ₂ Daripada Monazit	2020
4	External Examiner	Mr. Nehad Mohamed Mohamed Farag (Biophysics Department, Faculty of Science, Cairo University, 27 November 2018)	Analysis, Design, Construction and Application of External Beam Therapy Shielding Software	2018
5	External Examiner	Mr. Fauzan Amin Misnon @ Misnun (Faculty of Science, Universiti Kebangsaan Malaysia, 4 July 2018)	Pengetahuan, Persepsi dan Kesedaran Tenaga: Pengukuran sokongan awam	2018

			terhadap pembinaan Loji Jana Kuasa Nuklear Malaysia yang Pertama	
6	External Examiner	Ms. Nur Diana Binti Mohamad Yusob (Institut Perubatan dan Pergigian Termaju, Universiti Sains Malaysia, 18 April 2018)	Development of Post- processing Technique for Metal Artefacts Reduction in the presence of contrast media in CT Imaging: An Abdominal Phantom study	2018
7	External Examiner	Ms. Nor Eliana binti Norbani (Faculty of Applied Sciences, Universiti Teknologi Mara, 22 August 2016)	The assessment of terrestrial gamma radiation dose rate at the state of Negeri Sembilan	2017
8	External Examiner	Ms. Noranizah binti Awang (Faculty of Applied Sciences, Universiti Teknologi Mara, 4 May 2017)	Physical and optical characterisation on neodymium doped lead borotellurite glass	2016

PUBLICATIONS

Summary	
ISI Article/Journal	107
Scopus Article/Journal	9
Non-Indexed Article/Journal	0
Indexed Conference Proceedings	21
Non- Indexed Conference Proceedings	0
Book Chapters	3
Original Book	1
Classified/Technical /Expert Report	0
Policy Paper	0
Dictionary	1
Encyclopaedia	1
Article	1

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Publication year	IF	Type	Cate gory	Quartile
1	Applied Sciences (Switzerla nd)	The radioactivity of thorium incandescent gas lantern mantles	207634 17	11	3	1-11	2021	2.474	Journal	ISI	Q2
2	Ecotoxicol ogy and Environm ental Safety	Radiological hazard associated with among processing industry in Peninsular	0236- 5731	208		111727	2021	4.872	Journal	ISI	Q1

		Malaysia and its environmental impacts									
3	Radiation Physics and Chemistry	Radiation dose assessment of 64 Multi-Slices Computed Tomography scanner	0969-806X	178		108904	2021	2.226	Journal	ISI	Q1
4	Radiation Physics and Chemistry	Fluoroscopy-guided intervention procedure norms for occupational eye radiation dose: An overall evaluation	0969-806X	178		108909	2021	2.226	Journal	ISI	Q1
5	Journal of Radioanalytical and Nuclear Chemistry	Radiological dose and health impact to Jordanian populace due to radioactivity in staple food crops from four representative soils in Jordan	0236-5731	326	3	1679-1689	2020	1.137	Journal	ISI	Q3
6	Optik	Spectroscopic behaviour of Dy ³⁺ and Sm ³⁺ impurity-doped strontium magnesium borate glasses: A comparative evaluation	0030-4026	224		165641	2020	2.187	Journal	ISI	Q2
7	Optics and Laser Technology	Modified structure and spectroscopic characteristics of Sm ³⁺ /Dy ³⁺ co-activated barium-sulfur-telluro-borate glass host: Role of plasmonic gold nanoparticles inclusion	0030-3992	132		106486	2020	3.233	Journal	ISI	Q1
8	Journal of Alloys and Compounds	Physical, thermal and absorption traits of lithium strontium zinc borate glasses: Sensitiveness on Dy ³⁺ doping	0925-8388	844		156176	2020	4.650	Journal	ISI	Q1
9	Environmental Sciences Europe	The radiological assessment, hazard evaluation, and spatial distribution for a hypothetical	2190-4707	32	1	6	2020	5.394	Journal	ISI	Q1

		nuclear power plant accident at Baiji potential site									
10	Journal of Radioanalytical and Nuclear Chemistry	Assessment of geogenic radon potential in Johor Malaysia	0236-5731	326	2	1065-1074	2020	1.137	Journal	ISI	Q3
11	Indian Journal of Physics	On the lasing potency of samarium-activated BaSO ₄ -TeO ₂ -B ₂ O ₃ glass host: Judd-Ofelt analysis	0973-1458	94	11	1811-1820	2020	1.407	Journal	ISI	Q3
12	Materials Chemistry and Physics,	Spectroscopic characteristics of Dy ³⁺ impurities-doped borate-based glasses: Judd-Ofelt calculation	0254-0584	253		123386	2020	3.408	Journal	ISI	Q2
13	ECS Journal of Solid State Science and Technology	Enhanced Performance of PTB7:PC71BM Based Organic Solar Cells by Incorporating a Nano-Layered Electron Transport of Titanium Oxide	2162-8769	9	10	105003	2020	2.142	Journal	ISI	Q3
14	Optik	Judd-Ofelt calculations for spectroscopic characteristics of Dy ³⁺ -activated strontium magnesium borate glass	0030-4026	218		165001	2020	2.187	Journal	ISI	Q2
15	Chinese Journal of Physics	Unique optical traits of Sm ³⁺ -doped magnesium borate glass	0577-9073	66		36-49	2020	2.638	Journal	ISI	Q2
16	Journal of Physics	Absorption and luminescence spectral analysis of Dy ³⁺ -doped magnesium borate glass	0577-9073	66		307-317	2020	2.638	Journal	ISI	Q2
17	Radiation protection dosimetry	Scatter Radiation in The Fluoroscopy-Guided Interventional Room	0144-8420	188	3	397-402	2020	0.773	Journal	ISI	Q4
18	Materials Chemistry	Structures and spectroscopic characteristics	0254-0584	247		122862	2020	2.781	Journal	ISI	Q2

	and Physics	of barium-sulfur-telluroborate glasses: Role of Sm ³⁺ and Dy ³⁺ Co-activation									
19	Luminescence	Dosimetric features and kinetic parameters of a glass system dosimeter	1522-7235	35	4	525-533	2020	1.855	Journal	ISI	Q3
20	Radiation Physics and Chemistry	²³⁸ U and ²³² Th isotopes in groundwater of Jordan: Geological influence, water chemistry, and health impact	0969-806X	170		108660	2020	2.226	Journal	ISI	Q1
21	Radiation Physics and Chemistry	Dose assessment of 4- and 16-slice multi-detector computed tomography (MDCT) scanners	0969-806X	168		108445	2020	2.226	Journal	ISI	Q1
22	Journal of Materials Research and Technology	A new insight into the temperature induced molecular aggregations in tris (8-hydroxyquinoline) metals	2238-7854	9	3	084	2020	3.327	Journal	ISI	Q1
23	Radiation protection dosimetry	Assessment on the Interchangeability of Personal Effective Dose Algorithms in Fluoroscopy-Guided Interventions Using Bland-Altman Analysis	0144-8420	186	4	462-468	2019	0.831	Journal	ISI	Q4
24	Optik	Optical traits of neodymium-doped new types of borate glasses: Judd-Ofelt analysis	00304026	199		163515	2019	1.914	Journal	ISI	Q3
25	Journal of Luminescence	Waveguide laser potency of samarium doped BaSO ₄ -TeO ₂ -B ₂ O ₃ glasses: Evaluation of structural and optical qualities	0022-2313	216		116686	2019	2.961	Journal	ISI	Q2
26	Radiation Physics	Effectiveness of Al ₂ O ₃ :C OSL dosimeter	0969-806X	165		108418	2019	1.984	Journal	ISI	Q1

	and Chemistry	towards entrance surface dose measurement in common X-ray diagnostics									
27	Solar Energy	Brent's algorithm based new computational approach for accurate determination of single-diode model parameters to simulate solar cells and modules	0038-092X	193		782-798	2019	4.674	Journal	ISI	Q1
28	Journal of Radioanalytical and Nuclear Chemistry	Activity concentrations of ^{226}Ra , ^{228}Ra , ^{222}Rn and their health impact in the groundwater of Jordan	0236-5731	322	2	305-318	2019	1.186	Journal	ISI	Q3
29	Indian Journal of Physics	Analysis of the physical, structural and optical characteristics of Dy^{3+} -doped $\text{MgO-SrO-B}_2\text{O}_3$ glass systems (2019) Indian Journal of Physics	0973-1458	93	10	1265-1273	2019	1.242	Journal	ISI	Q3
30	Radiation Physics and Chemistry	Realization of dysprosium doped lithium magnesium borate glass based TLD subjected to 1–100 Gy photon beam irradiations	0969-806X	163		1-10	2019	1.984	Journal	ISI	Q1
31	Journal of African Earth Sciences	Investigation of natural gamma radiation dose rate (GDR) levels and its relationship with soil type and underlying geological formations in Jordan	0899-5362	14	5	32-42	2019	1.532	Journal	ISI	Q3
32	PLoS One	Simple and efficient estimation of photovoltaic cells and modules parameters using	1932-6203	127		1-19	2019	2.766	Journal	ISI	Q1

		approximation and correction technique									
33	Annals of Nuclear Energy	Atmospheric dispersion modeling and radiological safety assessment for expected operation of Baiji nuclear power plant potential site	0306-4549	55	2	156-164	2019	1.476	Journal	ISI	Q1
34	Radiation Effects and Defects in Solids	Assessment of health risk associated with natural gamma dose rate levels and isodose mapping of Jordan	1042-0150	27	1	1564148	2019	0.526	Journal	ISI	Q4
35	Isotopes in Environmental and Health Studies	Statistical relationship between activity concentrations of radionuclides ^{226}Ra , ^{232}Th , ^{40}K , and ^{137}Cs and geological formations in surface soil of Jordan	1025-6016	110		211-226	2019	1.527	Journal	ISI	Q3
36	Journal of X-Ray Science and Technology	The effectiveness of bismuth breast shielding with protocol optimization in CT Thorax examination	0895-3996	186		139-147	2019	1.381	Journal	ISI	Q3
37	Progress in Nuclear Energy	Potential areas for nuclear power plants siting in Saudi Arabia: GIS-based multi-criteria decision making analysis	0149-1970	199		110-120	2019	1.308	Journal	ISI	Q2
38	Journal of Rare Earths	Physical, structural and optical studies on magnesium borate glasses doped with dysprosium ion	1002-0721	36	12	1264-1271	2018	2.524	Journal	ISI	Q2
39	Results in Physics	Glow curve analysis of glassy system dosimeter subjected to photon and electron irradiations	2211-3797	10		772-776	2018	2.147	Journal	ISI	Q2
40	Radiation Physics	General radiographic	0969-806X	147		1-6	2018	1.315	Journal	ISI	Q1

	and Chemistry	attributes of optically stimulated luminescence dosimeters: A basic insight									
41	Applied Radiation and Isotopes	Optically stimulated Al ₂ O ₃ :C luminescence dosimeters for teletherapy: Hp(10) performance evaluation	0969-8043	135		7-11	2018	1.128	Journal	ISI	Q3
42	Radiation Physics and Chemistry	X-ray shielding behaviour of kaolin derived mullite-barites ceramic	0969-806X	144		63-68	2018	1.315	Journal	ISI	Q1
43	Journal of Radioanalytical and Nuclear Chemistry	Reproducibility assessment of commercial optically stimulated luminescence system in diagnostic X-ray beams	0236-5731	314		2029-2036	2017	1.282	Journal	ISI	Q2
44	Radiation Physics and Chemistry	Luminescence features of dysprosium and phosphorus oxide co-doped lithium magnesium borate glass	0969-806X	137		45-48	2017	1.315	Journal	ISI	Q1
45	Radiation Physics and Chemistry	Estimation of radiation cancer risk in CT-KUB	0969-806X	137		130-134	2017	1.315	Journal	ISI	Q1
46	Journal of Radiological Protection	Regulatory requirements for nuclear power plant site selection in Malaysia - A review	0952-4746	36		R96-R111	2016	1.657	Journal	ISI	Q1
47	Radiation Physics and Chemistry	Evaluation of organ doses and specific <i>k</i> effective dose of 64-slice CT thorax examination using an adult anthropomorphic phantom	0969-806X	126		14-20	2016	1.207	Journal	ISI	Q1
48	Chinese Journal of Chemical Physics	Impact of Eu ³⁺ ions on Physical and Optical Properties of Li ₂ O-Na ₂ O-B ₂ O ₃ Glass	1674-0068	29	3	395-400	2016	0.496	Journal	ISI	Q4

49	Journal of Luminescence	Effect of Dy ₂ O ₃ impurities on the physical, optical and thermoluminescence properties of lithium borate glass (2016) Journal of Luminescence 177	0022-2313	177		366–372	2016	2.693	Journal	ISI	Q1
50	Luminescence	Evaluating Organ Dose and Radiation Risk of Routine CT Examinations in Johor, Malaysia	1522-7235	31	3	567–573	2016	1.518	Journal	ISI	Q4
51	Sains Malaysia	Radiation doses from computed tomography practice in Johor Bahru, Malaysia	0126-6039	45	4	69-74	2016	0.35	Journal	ISI	Q3
52	Radiation Physics and Chemistry	EPR dosimeter material properties of potassium tartrate hemihydrate	0969-806X	121		8-12	2016	1.380	Journal	ISI	Q1
53	Radiation Measurements	PET Image Reconstruction Incorporating 3D Mean-Median Sinogram Filtering	0018-9499	87		157-169	2016	1.213	Journal	ISI	Q2
54	IEEE Transactions on Nuclear Science	Physical, structural and optical studies on magnesium borate glasses doped with dysprosium ion	1002-0721	63	1	1264-1271	2016	1.283	Journal	ISI	Q1
55	Journal of Rare Earths	Glow curve analysis of glassy system dosimeter subjected to photon and electron irradiations	2211-3797	36	12	772-776	2016	2.524	Journal	ISI	Q2
56	Luminescence	Thermoluminescence properties of lithium magnesium borate glasses system doped with dysprosium oxide	1522-7235	30	8	1330-1335	2015	1.518	Journal	ISI	Q4
57	Radiation Physics and	Hybrid registration	0969-806X	116		300-304		1.380	Journal	ISI	Q1

58	Chemistry	of PET/CT in thoracic region with pre-filtering PET sinogram	0969-806X	116		138-141	2015	1.380	Journal	ISI	Q1
59	Radiation Physics and Chemistry	Luminescence characteristics of Li ₂ O-MgO-B ₂ O ₃ doped with Dy ³⁺ as a solid TL detector	0969-806X	116		130-134	2015	1.380	Journal	ISI	Q1
60	Radiation Physics and Chemistry	Characterization of amorphous thermoluminescence dosimeters for patient dose measurement in X-ray diagnostic procedures	0969-806X	115		81-87	2015	1.380	Journal	ISI	Q1
61	Radiation and Isotopes	Impact of patient weight on tumor visibility based on human-shaped phantom simulation study in PET imaging system	0969-8043	102		10-14	2015	1.231	Journal	ISI	Q1
62	Journal of Radioanalytical and Nuclear Chemistry	Thermoluminescence response of dysprosium doped strontium tetraborate glasses subjected to electron irradiations	02365731	112		29-33	2015	1.034	Journal	ISI	Q2
63	Optoelectronics And Advanced Materials	Influences of dysprosium and phosphorous oxides co-doping on thermoluminescence features and kinetic parameters of lithium magnesium borate glass	1842-6573	9		7-8	2015	0.394	Journal	ISI	Q4
64	Radiation Physics and Chemistry	Thermoluminescence energy response of germanium doped calcium borate glasses using theoretical calculation	0969-806X	112		29-33	2015	1.380	Journal	ISI	Q1
65	Sensors and Actuators, A: Physical	Dosimetric properties of dysprosium doped lithium borate glass	0924-4247	222		48-57	2015	1.903	Journal	ISI	Q1

		irradiated by 6 MV photons									
66	Radiation Physics and Chemistry	Optical fiber based dosimeter sensor: Beyond TLD-100 limits	0969-806X	106		73-76	2015	1.380	Journal	ISI	Q1
67	Radiation Physics and Chemistry	Potential application of pure silica optical flat fibers for radiation therapy dosimetry	0969-806X	106		46-49	2015	1.380	Journal	ISI	Q1
68	Optical Materials	Impact of Nd ³⁺ ions on physical and optical properties of Lithium Magnesium Borate glass	0925-3467	37		391–397	2014	2.075	Journal	ISI	Q2
69	Optics and Spectroscopy	Physical and optical properties of Li ₂ O-MgO-B ₂ O ₃ doped with Dy ³⁺ (2014) Optics and Spectroscopy	0030-400X	117	4	552-559	2014	0.559	Journal	ISI	Q4
70	International Journal of Modern Physics B	Structural and optical properties of lithium sodium borate glasses doped with Sm ³⁺ ions	0217-9792	28	26	1450182	2014	0.455	Journal	ISI	Q4
71	Journal of Molecular Structure	Physical and optical properties of Dy ³⁺ : Li ₂ O-K ₂ O-B ₂ O ₃ glasses. Journal of Molecular Structure	0022-2860	1076		20-25	2014	1.404	Journal	ISI	Q3
72	Optics and Spectroscopy	The effect of europium oxide impurity on the optical and physical properties of lithium potassium borate glass	0030-400X	117		56–60	2014	0.559	Journal	ISI	Q4
73	Applied Radiation and Isotopes	Photon irradiation response of photonic crystal fibres and flat fibres at radiation therapy doses	0969-8043	90		258-260	2014	1.056	Journal	ISI	Q2
74	Physica B	Physical and optical properties of	0921-4526	451		63-67	2014	1.276	Journal	ISI	Q3

		dysprosium ion doped strontium borate glasses									
75	Journal of Luminescence	Copper doped borate dosimeters revisited	0022-2313	155		141-148	2014	2.367	Journal	ISI	Q1
76	Journal of Molecular Structure	Optical and Structural Properties of Lithium Sodium Borate Glasses Doped Dy ³⁺ ions	0022-2860	1075		113-117	2014	1.599	Journal	ISI	Q3
77	Applied Radiation and Isotopes	Thermoluminescence dosimetry properties and kinetic parameters of lithium potassium borate glass co-doped with titanium and magnesium oxides	0969-8043	91		126-130	2014	1.179	Journal	ISI	Q2
78	Radiation Physics and Chemistry	Dopant concentration and thermoluminescence (TL) properties of tailor-made Ge-doped SiO ₂ fibres	0969-806X	104		297-301	2014	1.189	Journal	ISI	Q2
79	Radiation Physics and Chemistry	Dosimetric characteristics of LKB:Cu,P solid TL detector	0969-806X	104		36-39	2014	1.189	Journal	ISI	Q2
80	Optics and Spectroscopy	The optical properties of trivalent rare earth ions (Er ³⁺) doped borotellurite glass	0030-400X	116	3	413-417	2014	0.559	Journal	ISI	Q4
81	Journal of Molecular Structure	Physical and optical properties of Li ₂ O–MgO–B ₂ O ₃ doped with Sm ³⁺	0022-2860	1060		6-10	2014	1.404	Journal	ISI	Q3
82	Applied Radiation and Isotopes	Luminescence characteristics of Li ₂ CO ₃ -K ₂ CO ₃ -H ₃ BO ₃ glass system co-doped with TiO ₂ and MgO	0969-8043	82		12-19	2013	1.179	Journal	ISI	Q2
83	Journal of Physics and	The effect of TiO ₂ and MgO on the	0022-3697	74		1816-1822	2013	1.527	Journal	ISI	Q3

	Chemistry of Solids	Thermoluminescence Properties of a Lithium Potassium Borate Glass System									
84	Applied Radiation and Isotopes	Thermoluminescence responses of photon- and electron-irradiated lithium potassium borate co-doped with Cu+Mg or Ti+Mg	0969-8043	78		21-25	2013	1.179	Journal	ISI	Q2
85	Radiation Protection Dosimetry	Thermoluminescence properties of Li ₂ CO ₃ -K ₂ CO ₃ -H ₃ BO ₃ glass system co-doped with CuO and MgO	0144-8420	155	1	1-10	2013	0.909	Journal	ISI	Q2
86	Radiation Protection Dosimetry	Terrestrial gamma radiation and its statistical relation with geological formation in the Mersing district, Johor, Malaysia	0144-8420	156	2	246-252	2013	0.909	Journal	ISI	Q2
87	Journal of Luminescence	Thermoluminescence characteristics of Li ₂ CO ₃ -K ₂ CO ₃ -H ₃ BO ₃ glass system co-doped with CuO and MgO	0022-2313	143		1-4	2013	2.144	Journal	ISI	Q1
88	Optics and Spectroscopy	Physical, Structural, and Luminescence Studies of Nd ³⁺ Doped MgO-ZnO Borate Glass	0030-400X	115	5	701-707	2013	0.559	Journal	ISI	Q4
89	Optics and Spectroscopy	The Effect of MgO on the Optical Properties of Lithium Sodium Borate Doped with Cu+ Ions	0030-400X	114	4	537-543	2013	0.559	Journal	ISI	Q4
90	IEEE Transactions on Nuclear Science	Effective Atomic Number of Ge-doped and Al-doped Optical Fibres for Radiation Dosimetry Purposes	0018-9499	60	2	555-559	2013	1.219	Journal	ISI	Q1

91	IEEE Transactions on Nuclear Science	Analysis of Photons Scattering Trend to Classify Material using Artificial Neural Network	0018-9499	60	2	515-519	2013	1.219	Journal	ISI	Q1
92	Chinese Physics Letters	Dosimetric characteristics of a LKB:Cu,Mg solid thermoluminescence detector	0256-307X	30	1	1-4	2013	0.811	Journal	ISI	Q3
93	Journal of Molecular Structure	The Effect of Titanium Oxide on The Optical Properties of Lithium Potassium Borate glass	0022-286	1026		159–167	2012	1.634	Journal	ISI	Q3
94	International Journal of Modern Physics B	The Effect of Phosphorus and Copper Oxide on the Photoluminescence Characteristics of Li ₂ CO ₃ -K ₂ CO ₃ -H ₃ BO ₃ Glass.	0217-9792	26	20	1250116	2012	0.324	Journal	ISI	Q4
95	International Journal of Physical Sciences	Absorbed Dose Estimation by Monte Carlo Simulation Conversion Factor of Physical Dosimeters	1992-1950	7	12	1910–1917	2012	0.54	Journal	ISI	Q2
96	Physica B	The effect of CuO and MgO impurities on the optical properties of lithium potassium borate glass	0921-4526	407		2390–2397	2012	1.063	Journal	ISI	Q3
97	Physica B	Optical properties of lithium magnesium borate glasses doped with Dy ³⁺ and Sm ³⁺ ions	0921-4526	407		2398–2403	2012	1.063	Journal	ISI	Q3
98	Nuclear Instruments and Methods in Physics Research Section A	Photon signature analysis using template matching	0168-9002	652		466-469	2011	1.142	Journal	ISI	Q2
99	Journal of NUCLEAR SCIENCE and	Thermoluminescence Response of Ge- and Al-Doped Optical	0022-3131	48	7	1115–1117	2011	0.4	Journal	ISI	Q4

	TECHNOLOGY	Fibers Subjected to Low-Dose Electron Irradiation									
100	Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	Electron irradiation response on Ge and Al-doped SiO ₂ optical fibres	0168-9002	637	1	185-189	2011	1.142	Journal	ISI	Q2
101	Nuclear Instruments and Methods	Thermoluminescence Response of Oxygen-Doped Optical Fibres Subjected to Photon and Electron Irradiations	0168-9002	619	1-3	291-294	2010	1.317	Journal	ISI	Q1
102	Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	Photon-induced positron annihilation for Stand-off bomb detection	0168-9002	619	1-3	415-418	2010	1.317	Journal	ISI	Q1
103	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	Performance of Wire Mesh Collimator SPECT Camera for Different Breast Volumes in Prone Position	0168-9002	619	1-3	385-387	2010	1.317	Journal	ISI	Q1
104	Journal of Applied Radiation and Isotopes	Thermoluminescence Response of Doped SiO ₂ Optical Fibres Subjected to Fast Neutrons	0969-8043	68,	4-5	700-703	2010	1.094	Journal	ISI	Q2
105	Journal of Applied Radiation	The thermoluminescence response	0969-8043	67		423-427	2009	1.114	Journal	ISI	Q1

	and Isotopes	of doped SiO ₂ optical fibres subjected to photon and electron irradiations									
106	Journal of Applied Radiation and Isotopes	The thermoluminescence response of doped SiO ₂ optical fibres subjected to alpha particle irradiation	0969-8043	67		428-432	2009	1.114	Journal	ISI	Q1
107	IEEE Transactions on Nuclear Science	Monte Carlo Simulation on Breast Cancer Detection Using Wire Mesh Collimator Gamma Camera	0018-9499	56	3	1321-1324	2009	1.518	Journal	ISI	Q1
108	AIP Conference Proceedings	Entrance surface dose of eyes and thyroid using nanoDot optically stimulated luminescence in 64-slices computed tomography scanner		2155		020011	2019		Journal	Scopus	
109	AIP Conference Proceedings	Light induced fading in optically stimulated luminescence dots for medical dosimetry measurement		2155		020012	2019		Journal	Scopus	
110	Journal of Physics: Conference Series	Direct and indirect entrance surface dose measurement in X-ray diagnostics using nanoDot OSL dosimeters		1248	1	012014	2019		Journal	Scopus	
111	Journal of Physics: Conference Series	Occupational radiation dose during fluoroscopy guided interventional procedures at Institut Kanser Negara		1248	1	012052	2019		Journal	Scopus	
112	Atom Indonesia	Investigation on neutron flux effect onto irradiated fuel burn-up stored in the reactor		45	1	59-65	2019		Journal	Scopus	

		TRIGA PUSPATI								
113	Electricity Journal	Adding sustainable sources to the Saudi Arabian electricity sector	10406190	31	4	20-28			Journal	Scopus
114	MethodsX	Development of underwater radiography scanner for reactor-pool experiment at the TRIGA PUSPATI reactor	2150161	5		1346-1363			Journal	Scopus
115	Journal of Physics: Conference Series	Response of optically stimulated luminescence dosimeters subjected to X-rays in diagnostic energy range	17426588	851	1	012001			Journal	Scopus
116	Journal of Physics: Conference Series	Adaptive iterative dose reduction (AIDR) 3D in low dose CT abdomen-pelvis: Effects on image quality and radiation exposure	17426588	851	1	012006			Journal	Scopus
117	Journal of Physics: Conference Series	128 slice computed tomography dose profile measurement using thermoluminescent dosimeter	17426588	851	1	012002			Journal	Scopus
118	Journal of Physics: Conference Series	Establishment of multi-slice computed tomography (MSCT) reference level in Johor, Malaysia	17426588	694	1	012033			Journal	Scopus
119	Journal of Physics: Conference Series	Assessment of knowledge and awareness among radiology personnel regarding current computed tomography technology and radiation dose	17426588	694	1	012031			Journal	Scopus

120	Journal of Physics: Conference Series	Radiation dose to physicians' eye lens during interventional radiology	17426588	694	1	012035			Journal	Scopus	
121	Malaysian Journal of Analytical Sciences	Effect of temperature on the epr response of gamma irradiated potassium tartrate hemihydrate	13942506	19	3	513-519			Journal	Scopus	
122	Proceedings - 8th EUROSI M Congress on Modelling and Simulation, EUROSI M 2013	Validation of a clinical PET scanner using monte carlo simulation code: MCNP5	978-076955073-2		36-41	36-41			Journal	Scopus	
123	Jurnal Teknologi	The thermoluminescence performance of Ge-doped optical fibres To 6 MV photon irradiations	01279696	71	5	43-45			Journal	Scopus	
124	Journal of Physics: Conference Series	Thermoluminescent response of single mode optical fibre to x-ray irradiation	17426588	546	1	012018			Journal	Scopus	
125	Journal of Physics: Conference Series	Assessment of Ge-doped optical fibres subjected to x-ray irradiation	17426588	546	1	012017			Journal	Scopus	
126	Journal of Physics: Conference Series	Dosimetric characteristics of fabricated silica fibre for postal radiotherapy dose audits	17426588	546	1	012010			Journal	Scopus	
127	Advanced Materials Research	Mass Attenuation Coefficients and Effective Atomic Numbers of Strontium Borate Glass System in the Energy Range 0.01- 1.25 MeV	1022-6680	895		315-318			Journal	Scopus	
128	Advanced Materials Research	Optical Properties of Undoped and Dy ³⁺ -Doped	1022-6680	895		194-199			Journal	Scopus	

		Boro-Tellurite Glass									
129	Pacific Rim Conference on Lasers and Electro-Optics, CLEO - Technical Digest	The thermoluminescence response of undoped silica PCF for dosimetry application	978-146736475-1			6600334			Journal	Scopus	
130	IEEE ICSIPA 2013 - IEEE International Conference on Signal and Image Processing Applications	Modelling of light photons detection in scintillation camera	9781479902675	6707970		15-19			Journal	Scopus	
131	IEEE ICSIPA 2013 - IEEE International Conference on Signal and Image Processing Applications	Simulation of intrinsic resolution of scintillation camera in Monte Carlo environment	978-147990267-5	6707969		11-14			Journal	Scopus	
132	IEEE-EMBS Conference on Biomedical Engineering and Sciences, IECBES	Preliminary results from attenuation correction for MCNP-generated PET image	978-146731666-8	6498037		907-910			Journal	Scopus	
133	Progress in Nuclear Science and Technology	Ion beam, SEM and EDXRS analysis on Doped SiO ₂ optical fibres	2185-4823	3		116-119			Journal	Scopus	
134	Engineering Letters	Iterative parameter estimation for Metz Filter, Based on the image quality of	1816093X	20	2	2-9			Journal	Scopus	

		Breast Cancer imaging									
135	International Conference on Research and Innovation in Information Systems, ICRIS'11	Recommended factors for triage categories using Simulation Modelling	978-161284295-0			6125700			Journal	Scopus	
136	AIP Conference Proceedings	Characteristics of multihole collimator gamma camera simulation modeled using MCNP5	0094243X	1017		205-209			Journal	Scopus	
137	AIP Conference Proceedings	The development of doped radiosensitive glass	0094243X	909		9-18			Journal	Scopus	

NO.	TYPE a. INDEXED PROCEEDINGS/CONFERENCE b. NON- INDEXED PROCEEDINGS/CONFERENCE c. SEMINARS/WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED/TECHNICAL/ i. EXPERT REPORT j. POLICY PAPER	TITLE	YEAR	AUTHOR
1	Book Chapter	Sains-lah 2	2017	Suhairul Hashim et al.
2	Book Chapter	Commercially Doped Silicon Dioxide Optical Fibres As A New Thermoluminescence dosimetry Material	2014	Suhairul Hashim, D.A. Bradley, A.T.A.Rahman, and M.I.Saripan
3	Book Chapter	Nonlinear optics and synchrotron radiations. Thermoluminescence Properties Of Doped Silica Optical Fibre: Potential Dosimeter In Radiation Therapy Applications	2014	A.T.A.Rahman, D.A. Bradley and Suhairul Hashim
4	Proceedings/Conference	Response of optically stimulated luminescence dosimeters subjected to X-rays in diagnostic energy range	2016	Musa, Y., Hashim, S., Karim, M.K.A., Bakar, K.A., Ang, W.C., Salehoh, N.

5	Proceedings/Conference	Adaptive iterative dose reduction (AIDR) 3D in low dose CT abdomen-pelvis: Effects on image quality and radiation exposure	2016	Ang, W.C., Hashim, S., Karim, M.K.A., Bahruddin, N.A., Salehhon, N., Musa, Y.
6	Proceedings/Conference	128 slice computed tomography dose profile measurement using thermoluminescent dosimeter	2016	Salehhon, N., Hashim, S., Karim, M.K.A., Ang, W.C., Musa, Y., Bahruddin, N.A.
7	Proceedings/Conference	Establishment of multi-slice computed tomography (MSCT) reference level in Johor, Malaysia	2015	Karim, M.K.A., Hashim, S., Bakar, K.A., Muhammad, H., Sabarudin, A., Ang, W.C.
8	Proceedings/Conference	Assessment of knowledge and awareness among radiology personnel regarding current computed tomography technology and radiation dose	2015	Karim, M.K.A., Hashim, S., Bradley, D.A., Bahruddin, N.A., Ang, W.C., Salehhon, N.
9	Proceedings/Conference	Radiation dose to physicians' eye lens during interventional radiology	2015	Bahruddin, N.A., Hashim, S., Karim, M.K.A., Sabarudin, A., Ang, W.C., Salehhon, N.
10	Proceedings/Conference	Luminescence features of dysprosium and phosphorus oxide co-doped Lithium magnesium borate glass	2015	S. Hashim, M.H.A. Mhareb, S.K. Ghoshal, Y.S.M. Alajerami, M.I. Saripan and D.A. Bradley
11	Proceedings/Conference	Radiation cancer risks during CT urography examination	2015	M.K.A.Karim, S.Hashim, K.A.Bakar, D.A. Bradley and N.A Bahrudin
12	Proceedings/Conference	Determination of Optimum Cut-off Frequency for Butterworth Filter in Tc-99m Breast SPECT Imaging	2015	X.Dong, M.I. Saripan, R.Mahmud, S.Mashohor, S.Hashim and D.A.Bradley
13	Proceedings/Conference	¹⁸ F-FDG PET Brain Imaging as a feature for automatic Alzheimer Disease Classification	2015	M.H. Azmi, M.I. Saripan, A.J. Nordin, F.K.A.Saad, S.A.A. Aziz, W.A.W.Adnan and S.Hashim
14	Proceedings/Conference	Modeling of Light Photons Operating Condition with Silicone Photomultiplier for Gamma Camera	2015	S.F.M. Ali, M.I.Saripan, X.Dong, A.Shukri, M.Noor, F.Z.Rokhani and S.Hashim

15	Proceedings/Conference	Luminescence characteristics of $\text{Li}_2\text{O-MgO-B}_2\text{O}_3$ doped with Dy^{3+} as a solid TL detector.	2014	S. Hashim, M. H. A. Mhareb, S. K. Ghoshal, Y. S. M. Alajerami, R. S. Dawaud, N. A. Razak
16	Proceedings/Conference	Registration of PET/CT in Thoracic Region with Pre-filtering PET Sinogram	2014	S.S. Mokri, M.I. Saripan, A.J. Nordin, M.H. Marhaban and S. Hashim
17	Proceedings/Conference	Characterisation of amorphous thermoluminescence dosimeters for patient dose measurement in x-ray diagnostic procedures	2014	Noramaliza M.Noor, Alawiah Ariffin, Hairul Azhar A. R, Mohd Jamil Maah, D A Bradley and S. Hashim
18	Proceedings/Conference	Thermoluminescence properties and kinetic parameters of copper and magnesium oxide co-doped lithium potassium borate glass	2013	Y. S. M. Alajerami, S. Hashim, A.T. Ramli, M. A. Saleh, M. H. A. Mhareb, R. Nazal
19	Proceedings/Conference	Optical and physical properties of Lithium Potassium Borate glass doped Eu^{3+}	2013	M. M. A. Maqableh, S. Hashim, Y. S. M. Alajerami, K. M. A. Maqableh, M. H. A. Mhareb and R. S. Dawaud
20	Proceedings/Conference	Physical Properties Of Lithium Magnesium Borate Glasses Doped With Er^{3+}	2013	M. H. A. Mhareb, S. Hashim, S.K. Ghoshal, A. Rani, Y. S. M
21	Proceedings/Conference	Optical Properties of Lithium Sodium Borate Glasses Doped Sm^{3+} ions	2013	R. S.E. S. Dawaud, S. Hashim, Y. S. M. Alajerami, M. H. A. Mhareb, M. M. Maqableh
22	Proceedings/Conference	Dosimetric characteristics of LKB:Cu,P as a solid TL detector	2013	S. Hashim, Y. S. M. Alajerami, S. K. Ghoshal, M. A. Saleh, M. I. Saripan, A. B. A. Kadir and D. A. Bradley
23	Proceedings/Conference	Thermoluminescence properties of doped silica glass for applications in radiotherapy dosimetry system	2013	A.L.Yusoff, H.Zin, A.L.A.Rahman, M.I.Saripan, A.T.A.Rahman, N.A.Zahaimi, D.A.Bradley, M.H.R.O Abdullah, S.Hashim

24	Proceedings/Conference	EPR response of gamma-irradiated potassium tartrate and ammonium tartrate, EPRBioDose	2013	Norehan Mohd Nor, Suhairul Hashim, Ahmad Termizi Ramli, Elias Saion and Taiman Kadni
25	Proceedings/Conference	Structural Studies Of Ternary B ₂ O ₃ -SrO-Bi ₂ O ₃ Glasses Using Infrared Spectroscopy	2011	Lim Tou Ying, H. Wagiran, R. Hussin and S. Hashim
26	Proceedings/Conference	Effect of Modifier in Erbium doped Phosphate Glasses	2011	A. Ab Rasid, H. Wagiran, S. Hashim, M.R. Sahar and M.S. Rohani
27	Proceedings/Conference	Overview of Physically-based Biodosimetry using Electron Paramagnetic Resonance (EPR) for Radiation Accident Emergency Management	2011	Norehan Mohd Nor, Suhairul Hashim, Ahmad Termizi Ramli, Elias Saion and Taiman Kadni
28	Proceedings/Conference	Triage categories for vulnerable groups using system dynamic simulation modelling	2011	Amy Hamijah Ab Hamid, Mohd Zaidi Abd Rozan, Safaai Deris, Roliana Ibrahim and Suhairul Hashim
29	Proceedings/Conference	Ion beam, SEM and EDXRS analysis on Doped SiO ₂ optical fibres	2011	S.Hashim, D.A.Bradley, A.T.Ramli, H.Wagiran, M.Webb, C.Jeynes, M.I.Saripan and M.N.M.Reba
30	Proceedings/Conference	Photon-induced positron annihilation for Stand-off bomb detection, Symposium on Radiation Measurements and Applications (SORMA XII)	2010	D.A. Bradley, S. Hashim, J. Cabello, K. Wells and W.L. Dunn
31	Proceedings/Conference	Monte Carlo Simulation on Breast Cancer Detection Using Wire Mesh Collimator Gamma Camera	2008	M. Iqbal Saripan, Wira Hidayat Mohd Saad, Suhairul Hashim, Rozi Mahmud, Abdul Jalil Nordin and Mohd Adzir Mahdi
32	Proceedings/Conference	Thermoluminescence Response of Doped SiO ₂ Optical Fibres Subjected to Fast Neutrons	2008	S. Hashim, D.A. Bradley, M.I.Saripan, A.T. Ramli and H. Wagiran
33	Proceedings/Conference	Determination of dopant concentration of doped SiO ₂ optical fibres using ion beam analysis	2008	Hashim, S., Al-Ahbabi, S., Bradley, D.A., Ramli, A.T., Wagiran, H.,

				Webb, M. and Jeynes, C.
34	Proceedings/Conference	The thermoluminescence response of doped SiO ₂ optical fibres subjected to photon and electron irradiations	2007	Hashim, S., Al-Ahbab, S., Bradley, D.A., Webb, M., Jeynes, C., Ramli, A.T. and Wagiran, H.
35	Proceedings/Conference	The thermoluminescence response of doped SiO ₂ optical fibres subjected to alpha particle irradiation	2007	Ahmad Termizi Ramli, D.A. Bradley, Suhairul Hashim and Husin Wagiran
36	Proceedings/Conference	The Development of Doped Radiosensitive Glass	2007	D.A. Bradley, R.P. Hugtenburg, Suhairul Hashim, O.O. Okoya, A.L. Yusoff, A. Aziz Mat Hassan, A. T. Ramli and H. Wagiran
37	Thesis	The thermoluminescence response of doped silicon dioxide optical fibres to ionizing radiation	2009	Suhairul bin Hashim
38	Original Book	Ionizing Radiation Dosimeters: Potential use of commercially Doped Silicon Dioxide Optical Fibres as a new TLD material	2010	Suhairul bin Hashim
39	Dictionary of Medical Physics	Medical Physics Dictionary Web Version 2.1 (Malay Translation)	2011	D.A. Bradley and Suhairul Hashim
40	Encyclopaedia of Medical Physics	Medical Physics Dictionary Hardback Edition (Malay contributors)	2013	D.A. Bradley and Suhairul Hashim
41	Article	Nuklear sebagai sumber tenaga di Malaysia: Manfaat atau Mudarat	2017	Nor Afifah Basri and Suhairul Hashim

PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	Keynote speaker	2 nd International Conference on Multidisciplinary Research (InCoMR 2019)	25 April 2019	Avillion Hotel, Port Dickson
2	Keynote speaker	The International Conference on Applied Medical Sciences (ICAMS-2017)	18-19 November 2017	Gloria Hotel, Gaza-City, Palestine
3	Keynote speaker	Penang International Conference on Research Advances In Science And	30 January 2016	Royal Bintang Hotel, Penang

		Technology (PICRAST 2016)		
4	Invited Speaker	Challenges And Opportunity For International Cooperation In Natural Sciences	27-28 November 2019	Hanoi, Vietnam
5	Invited Speaker	National Nuclear Safety and Nuclear Security Seminar	23 October 2019	AELB Dengkil, Selangor
6	Invited Speaker	International Conference on The Management of Spent Fuel From Nuclear Power Reactors: Learning From The Past, Enabling The Future	24-28 June 2019	Vienna, Austria
7	Invited Speaker	Colloquium on Nuclear and Radiation Physics 2018	4-6 October 2018	Felda Residence Tanjung Leman, Mersing
8	Invited Speaker	Radiation Emergency Course 2018	4-6 September 2018	Kompleks Kerajaan Persekutuan Sabah, Kota Kinabalu, Sabah
9	Invited Speaker	Occupational Safety and Health at School	7 August 2018	Sutera Mall, Johor Bahru
10	Invited Speaker	RSH100 Keselamatan Sinaran dan Kesihatan (Radiation Safety and Health)	26-28 March 2018	The Grand Bluewave Hotel, Johor Bahru
11	Invited Speaker	RSH100E Keselamatan Sinaran dan Kesihatan (Radiation Safety and Health)	28-30 November 2017	The Puteri Pacific, Johor Bahru
12	Invited Speaker	UTM Radiation Safety Courses	10-11 October 2017	Pusat Latihan UTM
13	Invited Speaker	Meet the Scientists	20 July 2017	UniKL MITEC, Johor Bahru
14	Invited Speaker	Career in STEM	20 July 2017	UniKL MITEC, Johor Bahru
15	Invited Speaker	Radiation Safety and Health	20-22 March 2017	KSL Hotel and Resort, Johor Bahru
16	Invited Speaker	Career Planning	25 February 2017	Pinetree Hotel, Batu Pahat
17	Invited Speaker	Invention, Innovation and Design (IID) 2017	22 February 2017	Universiti Teknologi Mara, Negeri Sembilan Campus
18	Invited Speaker	Radiation Protection Practice in University	30 November 2016	Thistle Hotel, Johor Bahru
19	Invited Speaker	Radiation in Everyday Life: International Baccalaureate Module	16 February 2016	Fairview International School Johor
20	Invited Speaker	Nuclear Physics Seminar	16-17 February 2016	Universiti Teknologi Malaysia
21	Invited Speaker	Johor Oncology Meeting 2015	29 August 2015	Hospital Sultan Ismail
22	Invited Speaker	UTM Radiation Safety Courses	23 October 2013	Pusat Latihan UTM

23	Invited Speaker	UTM Radiation Safety Courses	27 -30 May 2011	Awana Genting Highlands Golf & Country Club
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REFEREES

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