



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

CURRICULUM VITAE



PERSONAL DETAILS

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Expertise	:	PHOSPHOR - MATERIAL SCIENCE

ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	B.Sc	Physics	Universiti Teknologi Malaysia	2002	2006
2	Ph.D	Physics	Universiti Teknologi Malaysia	2006	2009

AWARD AND HONORS RECEIVED

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1	ANUGERAH KHIDMAT MASYARAKAT	FACULTY	2019
2	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 1 2018/19	UNIVERSITY	2019
3	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 2 2018/19	UNIVERSITY	2019
4	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 1 2017/18	UNIVERSITY	2018
5	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 2 2017/18	UNIVERSITY	2018
6	Anugerah Khas Pemimpin Muda MAAC	National	2018
7	Anugerah Khas Fakulti - Anugerah Kualiti Akademik	FACULTY	2018
8	Anugerah Khas Dekan Fakulti Sains, 2017 (STEM)	FACULTY	2018
9	Anugerah Khas Dekan Fakulti Sains,	FACULTY	2018
10	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 2 2016/17	UNIVERSITY	2017
11	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 1 2016/17	UNIVERSITY	2017
12	Anugerah Khidmat Cemerlang, Fakulti Sains, 2016	FACULTY	2017
13	Anugerah Perkhidmatan Cemerlang, 2015	UNIVERSITY	2016
14	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 1 2015/16	UNIVERSITY	2016
15	AWARD OF EXCELLENCE ACTIVE BLANED LEARNING COURSE SEM 2 2015/16	UNIVERSITY	2016
16	Anugerah Khidmat Cemerlang, Fakulti Sains, 2015	FACULTY	2016
17	Anugerah Khidmat Masyarakat, Fakulti Sains, 2015	FACULTY	2016
18	MALAYSIA TECHNOLOGY EXPO (MTE)	NATIONAL	2010

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

No	NAME OF PROFESIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1	LEMBAGA TEKNOLOGIS MALAYSIA (MBOT)	NATIONAL	PROFESIONAL TECHNOLOGIST	2019
2	LEMBAGA TEKNOLOGIS MALAYSIA (MBOT)	NATIONAL	GRADUATE TECHNOLOGIST	2018
3	Institute of Physics (IOP)	INTERNATIONAL	MEMBER	2017
4	IEEE Malaysia Section	INTERNATIONAL	MEMBER	2017

ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT
1	PRINCIPAL COLLEGE	15/12/2018	14/12/2021	JABATAN TIMBALAN NAIB CANSOLOR (HAL EHWAL PELAJAR)
2	PENYELARAS KUALITI FAKULTI SAINS	1/1/2017	31/12/2018	FAKULTI SAINS
3	PENYELARAS PENGURUSAN STRATEGI DAN RISIKO FAKULTI SAINS	1/5/2017	31/12/2018	FAKULTI SAINS
4	PENOLONG KETUA JABATAN FIZIK	1/11/2015	31/12/2016	FAKULTI SAINS

WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Industrial Training for Academic Staff	15/10/2013	14/10/2014	National Institute of Measurement Malaysia, SIRIM Sepang, Selangor

CONSULTANCY EXPERIENCE

NO	NAME OF CONSULTANCY	ROLE	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	7TH INTERNATIONAL CONFERENCE AND WORKSHOP ON BASIC AND APPLIED SCIENCE (ICOWABAS 2019)	MEMBER	176404.55	1/2/2019	31/7/2019	VOTE 961 – UTSB-FS
2	ADDITIONAL FOR PHILIPPINES SENIOR HIGH SCHOOL- GENERAL PHYSICS 1&2	MEMBER	12,000	1/1/2019	31/7/2019	VOTE 961 – UTSB-FS
3	National Science Challenge 2018	MEMBER	23,012	30/5/2018	31/12/2018	BENDAHARI UTM
4	Program STEM Cuti Sekolah FS	MEMBER	7,280	31/1/2018	30/3/2018	VOTE 961 – UTSB-FS
5	Projek Baiki Sistem Palang Parkir FS & FP	LEADER	3,122	1/1/2017	31/12/2017	VOTE 961 – UTSB-FS
6	Bengkel Computer Interfacing Arduino, UTHM	LEADER	1,000	1/1/2017	31/3/2017	VOTE 961 – UTSB-FS
7	Regional Conference on Science and Technology Solid State	MEMBER	94,230	1/1/2016	31/12/2016	VOTE 961 – UTSB-FS
8	Aphla Centery: Program CSR Bersama MRSM Mersing	LEADER	962	27/10/2016	28/10/2016	FS
9	Train of Trainer (TOT) Arduino dan STEM	LEADER	1,000	1/11/2016	31/12/2016	FS

FACULTY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	JK ENDOWOMEN FS	MEMBER	9/10/2019	31/12/2021
2	KETUA AUDITOR DALAMAN FS	CHAIR	01/01/2020	31/12/02022
3	JK PENGURUSAN STRATEGIK FS	MEMBER	26/2/2019	31/12/2021
4	SYMPOSIUM PSM 2019	CHAIR	7/5/2019	7/5/2019
5	TASK FORCE SEMAKAN KARIKULUM JABATAN FIZIK	MEMBER	1/8/2019	31/12/2019
6	Ahli jawatankuasa Jadual Waktu, FS	MEMBER	7/8/2018	31/12/2020
7	Task Force Program Cuti Sekolah, FS	MEMBER	1/2/2018	31/12/2018
8	AHLI JAWATANKUASA TEKNOLOGI MAKLUMAT, WEB, NALI DAN OBE JABATAN FIZIK	CHAIR	7/10/2018	31/10/2018
9	TASK FORCE ECO EDUCATION, FS	MEMBER	1/4/2017	31/12/2019
10	TASK FORCE STUDENT MOBILITY FS	MEMBER	1/7/2017	28/2/2018
11	TASK FORCE SEMAKAN KURIKULUM FS	MEMBER	1/1/2017	31/12/2017
12	TASKFORCE SEMAKAN KURUKULUM PASCA SISWAZAH FS	MEMBER	4/5/2017	31/12/2019
13	PENYELARAS PENGURUSAN STRATEGI DAN RISIKO FAKULTI SAINS	CHAIR	1/5/2017	31/12/2018
14	TASKFORCE EKSPLORASI STEM UTM JPNJ PERINGKAT NEGERI JOHOR	MEMBER	1/4/2017	31/4/2017
15	PENYELARAS KUALITI FAKULTI SAINS	CHAIR	1/1/2017	31/12/2017
16	TASK FORCE AKA 2016 FS	MEMBER	1/2/2017	31/12/2017
17	TASK FORCE SEMAKAN KARIKULUM FS , 2016	MEMBER	1/12/2016	31/12/2016
18	JAWATANKUASA AKADEMIK FS	MEMBER	1/1/2016	31/1/2016
19	PENOLONG KETUA JABATAN FIZIK	CHAIR	1/11/2015	31/12/2016
20	JK PENYELENGGARAAN AUTOGATE FS	CHAIR	15/11/2016	31/12/2016
21	JAWATANKUASA TEKNOLOGI MAKLUMAT	MEMBER	16/3/2014	15/3/2016
22	JAWATANKUASA PEMBANGUNAN PELAJAR	MEMBER	16/3/2014	15/3/2016
23	PENYELARAS KUALITI FAKULTI SAINS	CHAIR	17/11/2015	31/12/2016
24	JAWATANKUASA PEMBANGUNAN PELAJAR JABATAN FIZIK	MEMBER	16/3/2014	15/3/2016

25	JAWATANKUASA PENGURUSAN JABATAN FIZIK	MEMBER	1/1/2013	31/12/2013
26	AHLI JAWATANKUASA LAMAM WEB FS	MEMBER	27/8/2013	31/12/2013
27	AHLI JAWATANKUASA FESTIVAL INOVASI DAN KREATIVITI 2013 FS	CHAIR	18/4/2013	20/4/2013
28	JK Teknologi Maklumat Jabatan Fizik	CHAIR	1/1/2013	31/12/2013

COMMUNITY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	PERSATUAN IBU BAPA DAN GURU PIBG SEKOLAH RENDAH ISLAM HIDAYAH JOHOR BHARU	CHAIR	16/03/2021	15/03/2022
2	PERSATUAN IBU BAPA DAN GURU PIBG SEKOLAH RENDAH ISLAM HIDAYAH JOHOR BHARU	CHAIR	16/03/2020	15/03/2021
3	PERSATUAN IBU BAPA DAN GURU PIBG SEKOLAH RENDAH ISLAM HIDAYAH JOHOR BHARU	CHAIR	16/3/2019	15/3/2020
4	PERSATUAN IBU BAPA DAN GURU PIBG SEKOLAH RENDAH ISLAM HIDAYAH JOHOR BHARU	CHAIR	16/3/2018	15/3/2019
5	PERSATUAN KEBAJIKAN PENDUDUK FLORAVILLE	TIMBALAN PENGERUSI	18/10/2018	28/2/2020
6	TaskForce STEM Warrior Johor Berkemajuan 2017	MEMBER	6/10/2017	14/10/2017
7	PERTUBUHAN PEMUDA GEMA MALAYSIA, NEGERI JOHOR	PENGERUSI	1/1/2012	31/12/2015

UNIVERSITY APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	MAJLIS PENGETUA KOLEJ KEDIAMAN	SECRETARY	1/12/2021	31/12/2021
2	MAJLIS PENGETUA KOLEJ KEDIAMAN	SECRETARY	1/2/2020	31/12/2020
3	PENEL PENILAI ANUGERAH KUALITI AKADEMIK (AKA) 2018 - KONVESYEN KUALITI 2019	MEMBER	1/2/2019	31/7/2019
4	JK SIASATAN SEMAKAN PENGESAHAN DALAM PERKHIDMATAN STAF DI BAHAGIAN KESELAMATAN	MEMBER	17/7/2019	31/8/2019
5	AHLI PENELAI JK TATATERTIB PELAJAR BIL 5 2019	MEMBER	1/7/2019	1/7/2019
6	PENEL JAWATANKUASA TATATERTIB PELAJAR	MEMBER	28/4/2019	28/4/2019
7	TASK FORCE MANSUH AUKU	MEMBER	3/3/2019	31/12/2019

8	AHLI TASK FORCE ENVISION 2025	MEMBER	13/3/2019	31/12/2020
9	PENEL TEMUBUAL FELO BIL 2 2019	MEMBER	17/11/2019	17/11/2019
10	JAWATANKUASA PENEL PEMILIHAN FELO UTM	MEMBER	25/6/2019	25/6/2019
11	JAWATANKUASA KERJA ENVISION 2025	MEMBER	11/3/2019	31/3/2019
12	PROGRAM MINGGU MESRA MAHASISWA 20192020	CHAIR	1/9/2019	14/9/2019
13	PENEL PENILAI PENERIMA ANUGERAH BUDI KENCANA HEP	MEMBER	17/1/2019	1/12/2019
14	KETUA PANEL PENILAI BAGI PEMILIHAN PENERIMA KUPON MAKANAN BECAUSE WE CARE 2019	CHAIR	1/9/2019	1/10/2019
15	AHLI MAJLIS BERSAMA JABATAN UTM	MEMBER	1/1/2019	31/12/2020
16	PANEL PENILAI UNDERGRADUATE RESEARCH CONFERENCE 2019	MEMBER	12/5/2019	12/5/2019
17	AHLI JAWATANKUASA KERJA BAGI PEMBANGUNAN SISTEM BARU PENILAIAN PRESTASI STAF AKADEMIK ELPPT BERDASARKAN DCP	MEMBER	25/11/2018	31/12/2018
18	Ahli Majlis Bersama Jabatan (MBJ) Peringkat Universiti	MEMBER	1/1/2018	31/12/2018
19	Ketua Auditor Dalaman Program Akademik FS	CHAIR	1/7/2018	31/12/2019
20	TASK FORCE MEET & GREET FS UNIVERSITI PRESIDEN FORUM (UPF) 2017	MEMBER	1/8/2017	31/8/2017
21	AHLI MAJLIS BERSAMA JABATAN UNIVERSITI	MEMBER	1/1/2017	31/12/2017
22	TASK FORCE PENGEKALAN STATUS SWA AKREDITASI UTM 2018	MEMBER	1/11/2017	31/12/2017
23	AHLI JAWATANKUASA KECIL ACARA DAN SUKAN _PKA HARI KELUARAGA UTM 2017	MEMBER	15/7/2017	15/8/2017
24	AHLI MAJLIS BERSAMA JABATAN UNIVERSITI	MEMBER	1/1/2016	31/12/2016
25	AHLI TASK FORCE PENYEDIAAN POLISI MODUL PENGIRAAN BEBAN TUGAS STAF AKADEMIK	MEMBER	1/8/2015	31/12/2016
26	AHLI JAWATANKUASA KERJA BAHAGIAN PEMBANGUNAN MODAL INSAN : PROGRAM SAINTIS AGENDA NOBEL UTM	MEMBER	15/7/2013	14/7/2016
27	Jawatan Kuasa Panel Penilai Dokumen Video UTM-MIT Blossoms 2013	MEMBER	1/1/2013	31/12/2013
28	Jawatankuasa Pemandu (Streering Committee) Program Saintis Agenda Nobel (PSAN-UTM)	MEMBER	15/5/2013	31/12/2015
29	AHLI JAWATANKUASA NEW ACADEMIA-LEARNING INNOVATION	MEMBER	1/1/2013	31/12/2013
30	JAWATAN KUASA PANEL PENILAI DOKUMEN VIDEO UTM-MIT BLOSSOMS 2013	MEMBER	4/2/2013	31/12/2013
31	AHLI MAJLIS BERSAMA JABATAN UNIVERSITI	MEMBER	1/1/2013	31/12/2013

NATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	MAIN SECRETARIAT SAMBUTAN HARI AKADEMIK 2019 PERINGKAT KEBANGSAAN	MEMBER	3/10/2019	5/10/2019

2	JK PELAKSANA PROGRAM BERSAMA MENTERI PENDIDIKAN MALAYSIA	MEMBER	1/3/2019	10/3/2019
3	JK PELAKSANA SAMBUTAN HARI AKADEMI PERINGKAT KEBANGSAAN	MEMBER	1/9/2019	26/10/2019
4	Jawatankuasa Pelaksana Konvensyen Akademik Kebangsaan Universiti Awam Malaysia Kali kedua (KAKUAM 2018)	BUSRAR	28/4/2018	29/4/2018
5	AHLI JAWATANKUASA KONVENSYEN AKADEMIK KEBANGSAAN UNIVERSITI AWAM MALAYSIA 2016	MEMBER	19/9/2016	20/9/2016
6	JK PELAKSANA KONVENSYEN AKADEMIK KEBANGSAAN UNIVERSITI AWAM MALAYSIA KALI PERTAMA 2016	MEMBER	19/9/2016	20/9/2016
7	JK PELAKSANA PERSIDANGAN TRANSFORMASI PENGAJIAN TINGGI MALAYSIA 2013	SECRETARY	26/3/2013	26/3/2013

INTERNATIONAL APPOINTMENT COMMITTEE

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1	SEKRETRIAT PENGANJURAN ASIAN ASTRONOMY WORKSHOP FOR TEACHERS 2019	MEMBER	24/12/2019	29/12/2019

SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
1	BENGKEL LATIHAN PANEL PENILAI MAJLIS AKREDITASI TEKNOLOGI DAN TEKNIKAL (TTAC) LEMBAGA TEKNOLOGIS MALAYSIA (MBOT) DI ZON SELATAN	EDU HUB PAGOH	25/9/2020	27/9/2020
2	SEMINAR ON INTERNAL-EXTERNAL QUALITY ASSURANCE (SIEQA) 2019	UTM KL	21/10/2019	22/10/2019
3	7 INTERNATIONAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY 2019	Putrajaya	11/11/2019	13/11/2019
4	KONVENSYEN AKADEMIK KEBANGSAAN UNIVERSITI AWAM MALAYSIA KALI KEDUA (KAKUAM 2018)	PUSAT LATIHAN JKR, MELAKA	28/4/2018	29/4/2018
5	30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSST18)	SWISS-GARDEN HOTEL MELAKA, MALAYSIA	6/11/2018	8/11/2018
6	MERDEKA MEETING 2017	UTM JB	16/12/2017	16/12/2017
7	FUNDAMENTAL SCIENCE CONGRESS	UPM, SERDANG	21/11/2017	22/11/2017
8	Enhancement Program for Computational Thinking & Computer Science Master Trainer at UTM	UTM JOHOR BAHRU	27/3/2017	28/3/2017

9	GUEST LECTURER, UNIVERSITAS AIRLANGGA	Faculty of Science and Technology Universitas Airlangga	20/10/2017	20/10/2017
10	29 REGIONAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY 2016	KSL, JOHOR BAHRU	15/11/2016	17/11/2016

RESEARCH ACTIVITIES

BIL	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM /OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	The physical and optical properties of nanophosphors Europium, Dysprosium doped Yttrium Aluminum Garnet (Eu,Dy:YAG) and Eu,Dy SrAl ₂ O ₄	PI	UTM	UTM Encouragement Research	30,000	1/11/2019	30/4/2022	Q.J130000.2606.18J16
2	A user friendly of High speed and High repetition rate Pockels cell driver for Solid State laser	PI	UTM	Tier 2	40,000	1/4/2011	31/7/2012	Q.J130000.2626.02J31
3	program CSR MRSM Mersing	PI	UTM	Networking Grant	1,000	1/10/2016	31/10/2016	S.J130000.7326.4X184
4	DEVELOPMENT OF XENON FLASHLAMP AND KRYPTON FLASHLAMP AND THEIR EFFECTIVENESS IN REDUCING FOODBORNE PATHOGENIC BACTERIA IN LIQUID SYSTEMS	PI	UTM	Tier 2	32,000	1/12/2012	31/12/2013	Q.J130000.2626.07J56
5	DOSIMETRIC PROPERTIES OF ALUMINIUM OXIDE DOPED WITH RARE EARTH (RE) ELEMENTS PREPARED BY COMBUSTION METHOD FOR DOSE MEASUREMENT SUBJECTED TO VARIOUS IONIZING RADIATIONS	PI	UTM	Tier 1	50,000	1/5/2015	31/1/2017	Q.J130000.2526.10H20
6	LUMINESCENCE PROPERTIES OF NANOPHOSPHOR OF ALKALINE EARTH SULFOBOROPHOSPHATE S MATERIAL DOPED WITH RARE EARTH IONS FOR WHITE LED APPLICATIONS.	PI	UTM	Tier 2	20,000	1/7/2017	30/6/2018	Q.J130000.2626.13J71
7	4B355-FABRICATION AND DEVELOPMENT OF	MEMBER	OTHER	Industry-International	10,000	1/2/2019	31/7/2021	Q.J130000.3051.01M33

	GRAPHENE FROM WASTE MATERIALS FOR SILICON-POLYMERS COMPOSITE CONDUCTIVE ELECTRODE.			Incentive Grant				
8	UTM-TDR 16.2(T1): STABILITY ANALYSIS AND CURRENT MONITORING FOR EFFECTIVE WEARABLE TREATMENT	MEMBER	UTM	UTM Transdisciplinary Research Grant	56,000	1/12/2018	31/5/2022	Q.J130000.3554.06G21
9	DEVELOPMENT OF BACK-SCATTERED X-RAY RADIOGRAPHY SYSTEM FOR CARGO SCANNING	MEMBER	UTM	Tier 1	50,000	1/2/2018	31/1/2020	Q.J130000.2526.20H07
10	DESIGN AND SYNTHESIS OF NOVEL LIGHT-HARVESTING PORPHYRIN ARRAYS	MEMBER	UTM	Tier 2	40,000	1/4/2011	31/7/2012	Q.J130000.2626.00J84
11	PORPHYRINS ASSEMBLIES AND ARRAYS FOR MOLECULAR PHOTONIC SYSTEM	MEMBER	KPT	Fundamental Research Grant Scheme	73,000	1/4/2012	30/9/2014	R.J130000.7826.4F111
12	THERMOLUMINATION PROPERTIES OF DOPED AL ₂ O ₃ THIN FILM DOSEMETRY SUBJECTED TO IONIZING RADIATION	MEMBER	UTM	Tier 1	90,000	1/12/2012	31/12/2014	Q.J130000.2526.03H65
13	Design and construction of computerized laser cutter and engraver	MEMBER	UTM	Tier 2	32,000	1/12/2012	31/12/2013	Q.J130000.2626.08J00
14	MIT-UTM BLOSSOMS INITIATIVE	MEMBER	KPT	Flagship	650,000	1/4/2013	31/3/2014	Q.J130000.2416.00G75
15	Assessment of Disturbance Impact of Hydraulic Jack In Pile Penetration in Clay Using Transparent Soil and Particle Image Velocimetry	MEMBER	KPT	Exploratory Research Grant Scheme	121,500	1/6/2013	31/5/2015	R.J130000.7822.4L097
16	SYNTHESIS AND CHARACTERIZATION OF GOLD NANOPARTICLE DOPED ZINC LITHIUM BORATE WITH MAGNESIUM CO-DOPED (ZnO-Li ₂ O -B ₂ O ₃ :Au,Mg) GLASS FOR IONIZING RADIATION DOSIMETRY	MEMBER	KPT	Fundamental Research Grant Scheme	90,000	1/7/2014	30/6/2016	R.J130000.7826.4F490
17	SYNTHESIS, CHARACTERIZATION AND THERMOLUMINESCENCE STUDIES OF EU ³⁺ DOPED CALCIUM BORATE NANOCRYSTALLINE	MEMBER	UTM	Tier 1	50,000	1/5/2015	31/1/2017	Q.J130000.2526.10H66
18	Plasma temperature and electron density study on stainless steel using	MEMBER	KPT	Fundamental Research Grant Scheme	104,000	1/12/2014	30/11/2016	R.J130000.7826.4F629

	Nd:YAG laser at 1064nm and 532nm wavelength							
19	SYNTHESIS AND CHARACTERIZATION OF THERMOLUMINESCENCE STUDIES OF GE DOPED SIO ₂ NANOPHOSPHOR	MEMBER	UTM	Tier 1	50,000	1/2/2016	31/7/2018	Q.J130000.2526.12H87
20	Fabrication and Development of Graphene from Waste Materials for Silicon-Polymers Composite Conductive Electrode.	MEMBER	OTHER	Others	20,592.50	1/1/2018	30/6/2019	R.J130000.7351.4B355
21	EMPOWERING SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) EDUCATION TO SCHOOL STUDENTS THROUGH NATIONAL SCIENCE CHALLENGE 2018 (NSC2018) SEMI-FINAL LEVEL	MEMBER	OTHER	Business Entity	23,012	9/1/2018	15/8/2018	S.J130000.0809.4Y131
22	THE INFLUENCE OF LASER PULSE ENERGY ON THE QUALITY OF PLASMA FORMATION IN THE LASER INDUCED BREAKDOWN SPECTROSCOPY.	MEMBER	KPT	Fundamental Research Grant Scheme	71,500	1/7/2014	31/3/2016	R.J130000.7826.4F536
23	DESIGN AND CONSTRUCTION OF LOW COST DIGITAL SPECTROMETER.	MEMBER	UTM	Tier 1	20,000	1/7/2014	30/6/2015	Q.J130000.2526.08H54

COLLABORATION / MOU/MOA

NO	NAME OF MOU/MOA	LEVEL OF MOU/MOA (NATIONAL / INTERNATIONAL)	STARTING DATE	ENDING DATE
1	Memorandum Of Understanding antara Universiti Teknologi Malaysia (Fakulti Sains) & Universitas Airlangga Surabaya, Indonesia (UNAIR)	INTERNATIONAL	04/12/2025	03/12/2025
2	COMPUTATIONAL THINKING MOA ON RESEARCH	NATIONAL	23/06/2019	23/06/2020
3	Letter of Cooperation Between National Metrology Laboratory , Sirim Berhad and Faculty of Science, Universiti Teknologi Malaysia	NATIONAL	02/09/2014	01/09/2016
4	SURAT NIAT (LETTER OF INTENT) DI ANTARA FAKULTI ARGOTEKNOLOGI DAN SAINS MAKANAN, UNIVERSITI MALAYSIA TERENGGANU DENGAN FAKULTI SAINS, UTM JB	NATIONAL	27/06/2013	27/06/2015
5	PENYELIDIKAN BERSAMA UTM-UMT	NATIONAL	19/06/2013	18/02/2014

TEACHING ACTIVITIES

UNDERGRADUATE

YEAR OF SEMESTER	SEMESTER (1 / 2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
20202021	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	3
20202021	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	2
20192020	2	SSCP3333	FIZIK BERKOMPUTER	3	1
20192020	1	SSCP3811	AMALI FIZIK V	1	3
20192020	1	SSCP4902	PROJEK SARJANA MUDA	2	1
20192020	1	SSCP1143	MEKANIK	3	4
20192020	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	2
20192020	1	SSCP3811	AMALI FIZIK V	1	3
20182019	2	SSCP4904	PROJEK SARJANA MUDA (PSM) II	4	1
20182019	2	SSCP3821	AMALI FIZIK VI	1	3
20182019	2	SSCP3333	FIZIK BERKOMPUTER	3	1
20182019	1	SSCP3811	AMALI FIZIK 5	1	3
20182019	1	SSCU4902	PROJEK SARJANA MUDA I	4	1
20182019	1	SSCP3821	AMALI FIZIK VI	1	
20182019	1	SSCP4904	PROGRAM MOBILITY ANTARABANGSA	0	1
20182019	1	SSCP4904	PROJEK SARJANA MUDA (PSM) NIK SYUHADA UITM	0	1
20182019	1	SSCU4904	PROGRAM MOBILITY ANTARABANGSA-RESEARCH INTERNSHIP-SAFIRA	0	1
20182019	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	1
20182019	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	4
20182019	1	SSCP3811	AMALI FIZIK V	1	
20172018	2	SSCP3821	AMALI FIZIK 6	1	4
20172018	2	SSCU4904	PROJEK SARJANA MUDA II	4	1
20172018	3	SSCU3905	LATIHAN INDUSTRI	5	1
20172018	2	SSCP3333	FIZIK BERKOMPUTER	3	1
20172018	2	SSCP3821	AMALI FIZIK VI	1	3
20172018	2	SSCP4303	KAWALAN PROSES	3	1
20172018	1	SSCU4902	PROJEK SARJANA MUDA 1	2	1
20172018	1	SSCP3811	AMALI FIZIK 5	1	3
20172018	1	SSCP1143	MEKANIK	3	3
20172018	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	2
20172018	1	SSCP3811	AMALI FIZIK V	1	3
20162017	2	SSCU4904	PROJEK SARJANA MUDA 2	4	1
20162017	3	SSCU3905	LATIHAN INDUSTRI	5	1
20162017	2	SSCP3821	AMALI FIZIK 6	1	1
20162017	2	SSCP4303	KAWALAN PROSES	3	1
20162017	1	SSCP3811	AMALI FIZIK 5	1	1
20162017	1	SSCP1143	MEKANIK	3	4
20162017	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	2
20162017	1	SSCP3811	AMALI FIZIK 5	1	1
20152016	2	SSCP3821	AMALI FIZIK 6	1	1
20152016	2	SSCU4904	PROJEK SARJANA MUDA	2	1
20152016	2	SSCP4363	PENGUJIAN DAN PENYENGARAAN ELEKTRONIK	3	1
20152016	1	SSCU4902	PROJEK SARJANA MUDA	2	1
20152016	1	SSCP3811	AMALI FIZIK 5	1	3
20152016	1	SSCF3821	AMALI FIZIK 6	1	1
20152016	1	SSCP1143	MEKANIK	3	4

20152016	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	3
20152016	1	UKQP1021	KEPIMPINAN KELAB DAN PERSATUAN	1	6
20142015	2	SSCU4904	PROJEK SARJANA MUDA 2	4	1
20142015	2	SSCP4593	KEJURUTERAAN LASER KEADAAN PEPEJAL	3	1
20142015	2	SSCU4904	PROJEK SARJANA MUDA II	4	1
20142015	2	UKQU2202	ELEKTIF INOVASI & KREATIVITI	2	1
20142015	1	SSCP1153	ELEKTRIK DAN MAGNET	3	1
20122013	2	SSU3915	LATIHAN INDUSTRI	5	1
20122013	2	SSCP2613	FIZIK MATEMATIK	3	3
20122013	2	SSP2613	FIZIK MATEMATIK	3	1
20122013	1	CSCF0014	PHYSICS1	4	1
20122013	1	SSCP2333	PENGATURCARAAN KOMPUTER	3	2
20112012	2	SSU3905	LATIHAN INDUSTRI	5	1
20112012	2	SSP4313	INSTRUMENTASI PENGUKURAN	3	88
20112012	1	SSU3904	PROJEK SARJANA MUDA II	4	1
20112012	1	SSP3312	PENGANTARAMUKAAN KOMPUTER	2	2
20102011	2	SSU3902	PENYELIA LATIHAN INDUSTRI	2	1
20102011	2	SSP2343	INSTRUMENTASI DAN PENGUKURAN	3	2
20102011	1	SSU3904	PROJEK SARJANA MUDA II	4	1
20102011	1	SSP2613	FIZIK MATEMATIK	3	4
20102011	1	SSP2613	FIZIK MATEMATIK	3	1
20092010	2	SSP4313	INSTRUMENTASI PENGUKURAN	3	88
			TOTAL CREDIT HOURS	171	

POSTGRADUATE

YEAR OF SEMESTER	SEMESTER (1/2)	SUBJECT CODE	NAME OF SUBJECT	CREDIT HOUR	SECTION
20182019	2	MSCF1513	OPTOELEKTRONIK	3	1
201520161	1	MSCF1020	SEMINAR	0	1
201520161	1	MSCF1010	SEMINAR	0	1
			TOTAL CREDIT HOURS	3	

SUPERVISION

PHD STUDENTS

Main Supervisor

No	Name	Status (Graduated / Ongoing)	Title	Date
1	NURUL SYAZLIN BINTI SAHARIN	GRADUATED	DOSIMETRIC PROPERTIES OF ALUMINIUM OXIDE DOPED WITH GERMANIUM CODOPED WITH STRONTIUM IRRADIATED BY COBALT60 GAMMA RAYS	25/3/2020
2	MOHD FAZRULHISYAM BIN MOHD NOR	GRADUATED	HIGH ACCURACY MEASUREMENT OF GOLD PURITY USING HYDROSTATIC WEIGHING SYSTEM	24/6/2020
3	KUNDWAL MOSES ELISHA	GRADUATED	INACTIVATION OF ESCHERICHIA COLI AND LISTERIA MONOCYTOGENES WITH NDYAG LASER AND ITS HARMONICS	2/2016

PhD Co Supervisor

No	Name	Status (Graduated / Ongoing)	Title	Date
1	ESLAM MUSTAFA MAHADI NASSRI	ONGOING	Upconversion Lasing Action and White LED from Sm ³ Dy ³ Er ³ Doped TelluroBarium SulfoBorate Glasses	
2	MOHD ZULFAHMI BIN BHAUDIN	GRADUATED	CHARACTERIZATION OF LASER SURFACE ROUGHENING ON COPPER USING A QSWITCHED ND YAG LASER	19/2/2019
3	TAN KE XIN	GRADUATED	SYNTHESIS AND PHOTOPHYSICAL STUDIES OF PORPHYRIN ARRAYS	31/12/2016

MASTER STUDENTS

Master by Research (Main Supervisor)

No	Name	Status (Graduated / Ongoing)	Title	Date
1	NURUL ANATI BINTI SALLEH	GRADUATED	COPPER DOPED AND STRONTIUM CO DOPED LITHIUM MAGNESIUM BORATE GLASS AS THERMOLUMINESCENCE DOSIMETER IRRADIATED BY CO60	11/4/2018

Master by Research (Co Supervisor)

No	Name	Status (Graduated / Ongoing)	Title	Date
1	NURUL SYAZLIN BINTI SAHARIN	GRADUATED	DOSIMETRY PROPERTIES OF GERMANIUM DOPED ALUMINIUM OXIDE CODOPED STRONTIUM NANOPARTICLES IRRADIATED BY COBALT60	2013
2	NUR EZAAN BINTI KHAMSAN	GRADUATED	Crumb rubber synthesized using pulsed laser ablation in liquid	2012

Master by TaughtCourse (Main Supervisor)

No	Name	Status (Graduated / Ongoing)	Title	Date
1	SITI SARAH BINTI OSMAN	GRADUATED	SYNTHESIZE IRON DOPED SILICA TITANIA BY SOL GEL METHOD FOR FIBER OPTIC MAGNETIC SENSOR	2015

UTM POSTGRADUATE EXAMINATION / VIVA**PHD**

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	Assistant Chair	MAHDI BAHADORAN	Analytical vernier effect for nanophotonics circuits using ring resonator	27/5/2013
2	Assistant Chair	YASSER SALEH MUSTAFA ALAJERAMI	Thermoluminescence and optical characteristics of lithium potassium borate glass for radiation therapy dose measurement	12/12/2013
3	Assistant Chair	SEYED EBRAHIM PAURMAND	SPECTROSCOPIC PROPERTIES OF Nd:YAG LASER PUMPED BY FLASHLAMP AT VARIOUS TEMPERATURES AND INPUT ENERGIES	15/7/2013
4	Assistant Chair	MUHAMMAD SAFWAN ABD AZIS	Optical Tweezer Induced by Microring Resonator	10/6/2013
5	Assistant Chair	NINA DIANA BINTI NAWI	Ion Beam Dynamics of a 3 Kilo Joule Plasma Focus Using Lee's Model	26/10/2015
6	Assistant Chair	SYED ZUHAIID HAIDR RIZVI	Simultaneous double pulse enhanced laser induced breakdown spectroscopic detection of trace heavy metals in herbs	11/3/2015
7	Assistant Chair	NUR ZU IRA BINTI BOHARI	STRUCTURAL AND LUMINESCENCE PROPERTIES OF MAGNESIUM BORO-TELLURITE DOPED EUROPIUM AND DYSPROSIUM ION CERAMIC	9/3/2015
8	Assistant Chair	EZZA SYUHADA BINTI RAZALI	Optical and Structural Characterizations of Erbium Doped Lead-tellurite Glass Embbed with Gold Nanoparticles	31/3/2015
9	Assistant Chair	NURULHUDA BINTI MOHAMMAD YUSOFF	Physical and Spectroscopic Characterisation of Samarium Doped Magnesium Tellurite Glass Embedded Silver Nanoparticles	5/4/2015
10	Assistant Chair	MOHD SYAFIQ BIN AFFENDI	In situ measurement of gold nanoparticle produced by pulse laser ablation in liquid process	3/8/2015
11	Assistant Chair	SOMERAA SALEH ALI SHAAKONAH	Lee's model of plasma focus dynamics and neutron yield in filippov device	27/10/2015

12	Assistant Chair	LEOW TING QI'AO	Structural and optical properties of pekovite and maleevite phosphor for white led applications	26/10/2015
13	Assistant Chair	AINUN JARIAH BINTI AWANG	FEASIBILITY OF USING CARBON DOPED ALUMINIUM OXIDE CO-DOPED WITH MAGNESIUM AS A THERMOLUMINESCENCE DOSIMETER	7/11/2016

MASTER BY RESEARCH

NO	ROLE	NAME OF STUDENT	TITLE	YEAR

MASTER BY MIXED-MODE

NO	ROLE	NAME OF STUDENT	TITLE	YEAR
1	EXAMINER	ASAD A THAHE	Surface Treatment of Aluminum Alloys Using Nd:YAG Laser	2013

EXTERNAL POSTGRADUATE EXAMINATION / VIVA

MASTER BY RESEARCH

N O	ROLE	NAME OF STUDENT	TITLE	YEAR
1	Examiner	Nor Shaida binti Mohd Saufi (UPSI)	The Development and Implementation of Computer-Based Measurement System for Band Gap Energy of Semiconductor Diode.	2018

PUBLICATIONS

JOURNAL

NO	ARTICLE TITLE	JOURNAL TITLE	ISSN	Vol.	Issues	Page	Pub. year	IF	Type of Publication	Category of Publication	Quartile Ranking	Category Author
1	EUROPIUM-DOPED BORO-TELLURO-DOLOMITE GLASSES FOR RED LASER APPLICATIONS: BASIC INSIGHT INTO SPECTROSCOPIC TRAITS	JOURNAL OF NON-CRYSTALLINE SOLIDS	223093	534	NA	119949	2020	2.92	WEB OF SCIENCE	ARTICLE	Q1	Co-Author
2	Enhanced elastic and optical attributes of boro-telluro-dolomite glasses: Role of CeO ₂ doping	CERAMICS INTERNATIONAL	0022-3093	45	15	18648-18658	2019	3.83	WEB OF SCIENCE	ARTICLE	Q1	Co-Author
3	Assessment of disturbance impact of hydraulic jacked-in pile penetration in artificial clayey soil	MARINE GEORESOURCES & GEOTECHNOLOGY	1064-119X	38	2	0	2020	1.72	WEB OF SCIENCE	ARTICLE	Q3	Co-Author
4	Effect of strontium concentration on thermoluminescence glow curve of copper doped lithium magnesium borate glass	MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES	2289-5981	13	3	275-278	2017	NA	WEB OF SCIENCE	ARTICLE	NA	UTM-FIRST AUTHOR
5	Thermoluminescence Properties of Aluminium Oxide doped Strontium,	EPJ Web of Conferences	2100-014X	156	NA	1	2017	0.18	WEB OF SCIENCE	Proceedings Paper	NA	Co-Author

	Lithium and Germanium prepared by Combustion Synthesis method											
6	Thermoluminescence study of aluminium oxide doped germanium prepared by combustion synthesis method	EPJ WEB OF CONFERENCES	2100-014X	156	NA	11	2017	0.18	WEB OF SCIENCE	Proceedings Paper	NA	Co-Author
7	Enhanced 355 nm Lasers Obtained from BBO and KDP by Sum Frequency Mixing	JOURNAL OF RUSSIAN LASER RESEARCH	1071-2836	36	5	472-476	2015	0.993	WEB OF SCIENCE	ARTICLE	Q4	UTM-FIRST AUTHOR
8	MICROBIAL INACTIVATION USING PULSED LIGHT- A REVIEW	JURNAL TEKNOLOGI	2180-3722	37	13	99-109	2015	1.3	WEB OF SCIENCE	ARTICLE-REVIEW	Q2	UTM-FIRST AUTHOR
9	Synthesis and Emission Properties of meso-Substituted Porphyrins	JURNAL TEKNOLOGI	2180-3722	71	1	NA	2014	1.3	WEB OF SCIENCE	ARTICLE	Q2	Co-Author
10	Thermoluminescence (TL) properties of Al ₂ O ₃ : C, Mg exposed to cobalt-60 gamma radiation doses	RADIATION MEASUREMENTS	1350-4487	70	NA	41944	2014	1.5	WEB OF SCIENCE	ARTICLE	Q2	Co-Author
11	Characteristic of Femtosecond Titanium Sapphire Oscillator	AIP Conference Proceedings	NA	1341		264-267	2011	0.4	WEB OF SCIENCE	Proceedings Paper	NA	Co-Author
12	Optimization Of Output Q-Switched Nd:YAG Laser Based On Switching Time	AIP Conference Proceedings	NA	1250	1	125-128	2010	0.4	WEB OF SCIENCE	Proceedings Paper	NA	Author

13	Improvement in Ignition and Simmer Current Supply into Xenon Flash Lamp	AIP Conference Proceedings	NA	1250	1	133-136	2010	0.4	WEB OF SCIENCE	Proceedings Paper	NA	Co-Author
14	High Voltage Switch Mode Power Supply For Laser System	2009 International Conference for Technical Postgraduates (TECHPOS)	NA	NA	NA	NA	2009	NA	WEB OF SCIENCE	Proceedings Paper	NA	Co-Author
15	Quality of the beam produced a pulsed Nd : YAG laser	LASER PHYSICS	1054-660X	18	1	18-21	2008	1.33	WEB OF SCIENCE	ARTICLE	Q4	Author
16	The Effect of Temperature Treatment on Structural and Optical Properties of Cr ³⁺ -doped Alumina Nanocrystals 2021, 14, pp. 81–85	ASM Science Journal		-	14	81-85	2021		SCOPUS	ARTICLE	NA	Co-Author
17	Assessment of disturbance impact of hydraulic jacked-in pile penetration in artificial clayey soil	Marine Georesources & Geotechnology	1521-0618	39	5	631-637	2020	2.673	SCOPUS	ARTICLE	NA	Co-Author
18	VERIFICATION OF THE HYDROSTATIC WEIGHING SYSTEM WITH EXISTING GOLD PURITY INSTRUMENTS	IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING	17578981	824	1	2	2020	0.6	SCOPUS	CONFERENCE PAPER	NA	UTM-FIRST AUTHOR
19	Structural and optical properties of dysprosium and europium co-doped with yttrium aluminium garnet nanocrystalline	Malaysian Journal of Analytical Sciences	1394-2506	24	5	783-790	2020	0.19	SCOPUS	ARTICLE	Q4	AUTHOR

	powders prepared by combustion synthesis											
20	Luminescence properties of magnesium sodium borate glasses doped sm ³⁺ , dy ³⁺ and eu ³⁺	Solid State Phenomena	1662-9779	307 SSP		314-320	2020	0.2	SCOPUS	CONFERENCE PAPER	Q3	AUTHOR
21	New development in determination of metal volume thermal expansion measurement using hydrostatic weighing system (HWS)	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	22897879	58	1	78-83	2019	0.24	SCOPUS	ARTICLE	Q3	UTM-FIRST AUTHOR
22	New development of the metal volume thermal expansion	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	22897879	53	1	106-110	2019	0.24	SCOPUS	ARTICLE	Q4	UTM-FIRST AUTHOR
23	The role of laser wavelength and pulse frequency in inactivation of Escherichia coli and Listeria monocytogenes	ARPJ Journal of Engineering and Applied Sciences	18196608	10	11	4748-4753	2015	0.24	SCOPUS	ARTICLE	Q2	UTM-FIRST AUTHOR
24	The pumping parameters for Er-doped tellurite glass	Advanced Materials Research	10226680	895	NA	375-384	2014	NA	SCOPUS	ARTICLE	NA	Co-Author

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SCOPUS : 5

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PROCEEDINGS/CONFERENCE

- 1) **Abd Rahman Tamuri**, Nor Ezzaty Ahmad, Nurliyana Nabilah Ghazali & Rosli Husin, "Structural and Optical Properties of Europium Doped and Dysprosium Co-Doped with Yttrium Aluminium Garnet Nanocrystalline Powders Prepared by Combustion Synthesis", 7TH INTERNATIONAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY (7th ICSSST 2019), 11-13 Nov 2019, Hotel Everly, Putrajaya, Malaysia
- 2) **Abd Rahman Tamuri***, Aryna Abdul Majid, Rosli Husin "LUMINESCENCE PROPERTIES OF MAGNESIUM SODIUM BORATE GLASSES SM₃₊, DY₃₊ AND EU₃₊", 30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSST18), 6-18 Nov 2018, Swiss-Garden Hotel Melaka, Malaysia
- 3) **A.R Tamuri**, R. Arifin and H. H. J. Sapongi, "An Analysis of First Year Entry Test: Subject Mechanics", FUNDAMENTAL SCIENCE CONGRESS 2017(FSC 2017), 21st – 22nd November 2017, UPM Serdang.
- 4) **Abd Rahman Tamuri**, Hafidzah Othman, Nurulaini Ali, Computer Interface of F18 High Precision AC Thermometry Bridge, Persidangan Fizik Kebangsaan (PERFIK 2014) or National Physics Conference, Sunway Resort Hotel and Spa, Kuala Lumpur; 11/2014.
- 5) **Abd Rahman Tamuri**, Muhamad Assyafiq Sahar, Noor Sarah Akmal Abu Bakar, Mohd Nizam Lani, Moses Elisha Kundel and Yaacob Mat Daud, Ultraviolet (UV) Light Spectrum of fluorescent lamps, The Proceedings of 8th SEATUC Symposium; 03/2014
- 6) **Abd Rahman Tamuri**, Yaacob Mat Daud and Noriah Bidin, Optimization Of Output Q-Switched Nd:YAG Laser Based On Switching Time, PHYSICS RESEARCH IN MALAYSIA: PERFIK 2010, 7–9 December 2009, Malacca (Malaysia) AIP Conf. Proc. 1250, pp. 125-128 (2010).
- 7) N.A. Salleh, **A.R. Tamuri**, & M.A. Saeed, Effect of strontium concentration on thermoluminescence glow curve of copper doped lithium magnesium borate glass, 5TH INTERNATIONAL SCIENCE POSTGRADUATE CONFERENCE 2017 (ISPC 2017), 7-8 March 2017, Johor Bharu.
- 8) NURUL ANATI SALLEH, **ABDUL RAHMAN TAMURI** & HUSIN WAGIRAN, OPTIMIZATION OF CU-DOPED AND TIME TEMPERATURE PROFILE SETTING OF LITHIUM MAGNESIUM BORATE GLASS FOR THERMOLUMINESCENCE DOSIMETER, 4TH INTERNATIONAL SCIENCE POSTGRADUATE CONFERENCE 2016, 22 – 24 FEBRUARY 2016, UNIVERSITI TEKNOLOGI MALAYSIA.
- 9) Nurkhaizan Zulkepli, **Abd Rahman Tamuri**, Noriah Bidin, Enhancement of The Second Harmonic Generation from Nd: YAG Laser Radiation via Quarter wave plate application, The National Physics Conference 2009, 7th to 9th December 2009 at the Avillion Legacy Hotel in the historic State of Malacca, Malaysia.
- 10) **Abd Rahman Tamuri**, Yaacob Mat Daud, Noriah Bidin, Optimization Of Output Q-Switched Nd: YAG Laser Based On Switching Time, PHYSICS RESEARCH IN MALAYSIA: PERFIK 2010, 7–9 December 2009, Malacca (Malaysia) AIP Conf. Proc. 1250, pp. 133-136 (2010).
- 11) Roslinda Zainal, **Abd Rahman Tamuri**, Yaacob Mat Daud, Noriah Bidin, Improvement in Ignition and Simmer Current Supply into Xenon Flash Lamp, PHYSICS RESEARCH IN MALAYSIA: PERFIK 2010, 7–9 December 2009, Malacca (Malaysia) AIP Conf. Proc. 1250, pp. 133-136 (2010).
- 13) Bidin, N; Noor, F M; & **Tamuri, A R**, Characteristic of Femtosecond Titanium Sapphire Oscillator, International Conference on Enabling Science and Nanotechnology, Kuala Lumpur, MALAYSIA, DEC 01-03, 2010 Volume: 1341 Pages: 264-267, 2011.
- 14) Demon S. Z. N, **Tamuri A.R** & Bidin, N, High Voltage Switch Mode Power Supply For Laser System, 2009 INTERNATIONAL CONFERENCE FOR TECHNICAL POSTGRADUATES (TECHPOS 2009), MAY 14-15, 2009, ISBN: 978-1-4244-5223-1, pp. 325-328, (2009).

SEMINARS/WORKSHOPS

- i) Konvensyen Akademik Kebangsaan Universiti Awam Malaysia Kali Kedua (KAKUAM 2018), 28-29 April 2018, Pusat Kecemerlangan Teknologi dan Kejuruteraan (CREATE) JKR, Alor Gajah Melaka,
- ii) BENGKEL LATIHAN PANEL PENILAI MAJLIS AKREDITASI TEKNOLOGI DAN TEKNIKAL (TTAC) LEMBAGA TEKNOLOGIS MALAYSIA (MBOT) DI ZON SELATAN, EDU HUB PAGO, 25-27/9/2020
- iii) SEMINAR ON INTERNAL-EXTERNAL QUALITY ASSURANCE (SIEQA) 2019, UTM KL, 21-22/10/2019
- iv) 7 INTERNATIONAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY 2019, Putrajaya, 11-13/11/2019
- v) KONVENSYEN AKADEMIK KEBANGSAAN UNIVERSITI AWAM MALAYSIA KALI KEDUA (KAKUAM 2018), PUSAT LATIHAN JKR, MELAKA, 28-29/4/2018
- vi) 30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE& TECHNOLOGY (RCSST18) SWISS-GARDEN HOTEL MELAKA, MALAYSIA, 6-8/11/2018
- vii) MERDEKA MEETING 2017, UTM JB, 16/12/2017
- viii) FUNDAMENTAL SCIENCE CONGRESS, UPM, SERDANG, 21-22/11/2017
- ix) Enhancement Program for Computational Thinking & Computer Science Master Trainer at UTM, UTM JOHOR BAHRU, 27-28/3/2017
- x) GUEST LECTURER, UNIVERSITAS AIRLANGGA, Faculty of Science and Technology Universitas Airlangga, 20/10/2017
- xi) 29 REGINAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY 2016. KSL, JOHOR BAHRU, 15-17/11/2016

THESIS

- i) Abd Rahman Bin Tamuri, Construction and characterization of a Q-Switched Nd: YAG laser system, Ph.D. Thesis, Universiti Teknologi Malaysia, Malaysia (2009).

ORIGINAL BOOK

- i) Zaleha Abdullah, Noor Dayana Abd Halim, Nurbiha A. Shukor, **Abd Rahman Tamuri**, UTM-MIT BLOSSOMS, A GUIDE TO NEW ACADEMIA LEARNING INNOVATION, ISBN 978-967-01-9471-4, Page 112-117, UTMLEAD, 2016
- ii) NOR EZZATY BINTI AHMAD , HUSNI HANI JAMEELA BINTI SAPINGI, IZAN HAZWANI BINTI HASHIM , SUHAIRUL BIN HASHIM , NABILAH BINTI KASIM, **ABD RAHMAN BIN TAMURI**, 2019, SENIOR HIGH SCHOOL GENERAL PHYSICS 1, OXFORD PUBLISHING (MALAYSIA) SDN. BHD. ISBN: 9789672270027

EDITED BOOK

- i) M.N. Lani, Adilah Ismail, Nurul Ulfah Karim, Marzuki Ismail, Abdul Faiz Bin Abdullah, Norfariha Baharin, and **Abd. Rahman Tamuri**, EVALUATION OF LACTIC ACID BACTERIA, OZONE TREATED WATER AND ULTRA VIOLET IRRADIATION AS

SURFACE DECONTAMINANT IN ARTIFICIALLY CONTAMINATED THUNNUS OBESUS AND CLARIAS GARIEPINUS, THE BATTLE AGAINST MICROBIAL PATHOGENS: BASIC SCIENCE, TECHNOLOGICAL ADVANCES AND EDUCATIONAL PROGRAMS, FORMATEX RESEARCH CENTER, ISBN 978-84-942134-6-5, Page 319-327, 2015.

BOOK CHAPTER

- i) **Abd Rahman Bin Tamuri & Yaacob Mat Daud**, CHAPTER 3:-DESIGN AND CONSTRUCT A Q-SWITCHED SYSTEM, FIBER OPTICS AND ELECTRO-OPTICS MODULATIONS, Page 33-50, ISBN 9789835209390, PENERBIT UTM PRESS, 2014.
- ii) **Abd. Rahman Tamuri**, Ahmad Hadi Ali, and Johari Adnan, Chapter 3:-Design and Construct of Simmer Power Supply for Xenon Flashlamp, LASER ENGINEERING, PENERBIT UNIVERSITI TEKNOLOGI MALAYSIA, ISBN 978-983-52-0611-5, Page 39-44, 2008.
- iii) **Abd. Rahman Tamuri**, Johari Adnan, and Ahmad Hadi Ali, Chapter 4:- Xenon Flashlamp Driver and Control Circuit, LASER ENGINEERING, PENERBIT UNIVERSITI TEKNOLOGI MALAYSIA, ISBN 978-983-52-0611-5 Page 45-59, 2008.
- iv) **Abd Rahman Tamuri** and Noriah Bidin, Chapter 8:- Designed Electro-optic Q-Switched Nd:YAG Laser System, LASER ENGINEERING, PENERBIT UNIVERSITI TEKNOLOGI MALAYSIA, ISBN 978-983-52-0611-5, Page 86-99, 2008.

REFEREED CONFERENCES

- 1) **Abd Rahman Tamuri**, Nor Ezzaty Ahmad, Nurliyana Nabilah Ghazali & Rosli Husin, "Structural and Optical Properties of Europium Doped and Dysprosium Co-Doped with Yttrium Aluminium Garnet Nanocrystalline Powders Prepared by Combustion Synthesis", 7TH INTERNATIONAL CONFERENCE ON SOLID STATE SCIENCE AND TECHNOLOGY (7th ICSSST 2019), 11-13 Nov 2019, Hotel Everly, Putrajaya, Malaysia
- 2) **Abd Rahman Tamuri***, Aryna Abdul Majid, Rosli Husin "LUMINESCENCE PROPERTIES OF MAGNESIUM SODIUM BORATE GLASSES SM³⁺, DY³⁺ AND EU³⁺", 30TH REGIONAL CONFERENCE ON SOLID STATE SCIENCE & TECHNOLOGY (RCSST18), 6-18 Nov 2018, Swiss-Garden Hotel Melaka, Malaysia
- 3) **Abd Rahman Tamuri**, Yaacob Mat Daud, Noriah Bidin, Optimization Of Output Q-Switched Nd:YAG Laser Based On Switching Time, PHYSICS RESEARCH IN MALAYSIA: PERFIK 2010, 7-9 December 2009, Malacca (Malaysia) AIP Conf. Proc. 1250, pp. 133-136 (2010).
- 4) Roslinda Zainal, **Abd Rahman Tamuri**, Yaacob Mat Daud, Noriah Bidin, Improvement in Ignition and Simmer Current Supply into Xenon Flash Lamp, PHYSICS RESEARCH IN MALAYSIA: PERFIK 2010, 7-9 December 2009, Malacca (Malaysia) AIP Conf. Proc. 1250, pp. 133-136 (2010).
- 5) Bidin, N; Noor, F M; & **Tamuri, A R**, Characteristic of Femtosecond Titanium Sapphire Oscillator, International Conference on Enabling Science and Nanotechnology, Kuala Lumpur, MALAYSIA, DEC 01-03, 2010 Volume: 1341 Pages: 264-267, 2011.
- 6) Demon S. Z. N, **Tamuri A.R** & Bidin, N, High Voltage Switch Mode Power Supply For Laser System, 2009 INTERNATIONAL CONFERENCE FOR TECHNICAL POSTGRADUATES (TECHPOS 2009), MAY 14-15, 2009, ISBN: 978-1-4244-5223-1, pp. 325-328, (2009).

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

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1	CHAIR PERSON	Konvensyen Akademik Kebangsaan Universiti Awam Malaysia Kali Kedua (KAKUAM 2018)	29-29 April 2018	Pusat Kecemerlangan Teknologi dan Kejuruteraan (CREATE) JKR, Alor Gajah Melaka
2	GUEST LECTURER UNIVERSITAS AIRLANGGA,	LAWATAN GOP FACULTY SCIENCE UTM- UNIVERSITAS AIRLANGGA	20/20/2017	Faculty of Science and Technology Universitas Airlangga
3	CHAIR PERSON	29 regional conferences on solid state science and technology 2016	15-17/11/2016	KSL Resort Hotel, Johor Bahru, Johor.

PROFESSIONAL SERVICES

Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1	MEMBER	7TH INTERNATIONAL CONFERENCE AND WORKSHOP ON BASIC AND APPLIED SCIENCE (ICOWABAS 2019)	31/7/2019	JOHOR BAHRU	176404.55
2	MEMBER	ADDITIONAL FOR PHILIPPINES SENIOR HIGH SCHOOL- GENERAL PHYSICS 1&2	10/4/2019-31/8/2019	JOHOR BAHRU	12,000
3	MEMBER	National Science Challenge 2018	30/5/2018	JOHOR BAHRU	23,012
4	MEMBER	Program STEM Cuti Sekolah FS	31/1/2018-31/3/2018	JOHOR BAHRU	7,280
5	MEMBER	Hadiah Barangan Penyelidikan oleh Syarikat Billion Prima Shd Bhd	1/8/2017	JOHOR BAHRU	100,000
6	LEADER	Projek Baiki Sistem Palang Parkir FS & FP	1/7/2017-31/12/2017	JOHOR BAHRU	3,120
7	LEADER	Bengkel Computer Interfacing Arduino, UTHM	19/03/2017	UTHM	1000
8	MEMBER	Regional Conference on Science and Technology Solid State	15-17/11/2016	JOHOR BAHRU	94,230
9	LEADER	Aphla Centery: Program CSR Bersama MRSM Mersing	27-28/10/2016	MERSING	962
10	LEADER	TRAIN OF TRAINER (TOT) ARDUINO DAN STEM	1/11/2016 - 31/12/2016	JOHOR BAHRU	1,000

Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
1	LEADER	Aphla Centery: Program CSR Bersama MRSM Mersing	27-28/10/2016	COMMUNITY	MRSM MERSING
2	LEADER	Program KARNIVAL MUHIBBAH FELDA LAYANG-LAYANG 2018	15/12/2018	COMMUNITY	FELDA LAYANG-LAYANG
3	LEADER	KHIDMAT MASYARAKAT MASJID INTAN ABU BAKAR, TAMAN SRI PULAI	2/3/2012	COMMUNITY	TAMAN SRI PULAI

Endowment and Wakaf to University

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
1	UTM No. Plate	RM 660

Patent Granted and Filing

NO	NAME OF PATENT	STATUS OF PATENT	NO PATENT APP.
1	Noriah Bidin, Siti Zulaikha Ngah Demon, Abd Rahman Tamuri , (2010), "A Voltage Power Supply and A Method of Supplying Power Thereof"	Pat. Filing 2010 REFUSED 2011	PI 201001698
2	Noriah Bidin, Abd Rahman Tamuri , Syafiqah Yap Abdullah, Yaacob Mat Daud,(2008) Enhancement nanoseconds laser assembly	Pat. Filing 2008 Under Substantive Examination	PI 20082626
3	Noriah Bidin, Abd Rahman Tamuri , Syafiqah Yap Abdullah, Yaacob Mat Daud, (2008), Electro-Optic Q-switch System	Pat. Filing 2008 REFUSED	PI 20082871
4	Noriah Bidin, Abd Rahman Tamuri , Yaacob Mat Daud,(2008), High Voltage Avalanche Transistor Pulser System	Pat. Filing 2008 REFUSED	PI 20085164
5	Noriah Bidin, Abd Rahman Tamuri & Yacob Mat Daud, (2007), A low threshold flashlamp-pumped Nd:YAG laser	Pat. Filing 2007 GRANTED 2017	PI 20072083
6	Noriah Bidin, Abd Rahman Tamuri , Yaacob Mat Daud, Mohd Fauzi Maulud, (2007), A simmer mode xenon flashlamp driver	Pat. Filing 2007 REFUSED	PI 20072082