Professor Dr
Ahmad Taufek Abdul Rahman MInstP MIPEM

Medical Physicist: MAHPC (MP) 000008

Professor of Radiation and Medical Physics

Ahmad Abdul Taufek Rahman

ACADEMIC QUALIFICATION

26 Julai 2011

UNIVERSITY OF SURREY

Doktor Falsafah (PhD)
(Medical Physics)
University of Surrey, UK

22 Mei 2004

UTM UNIVERSITI TEKNOLOGI MALAYSIA

Sarjana Sains
(Health Physics)
Universiti Teknologi Malaysia,
(UTM)

21 Ogos 1999

UTM UNIVERSITI TEKNOLOGI MALAYSIA

B.Sc. & Ed. (Hons.)
in Physics & Mathematics
Universiti Teknologi Malaysia,
(UTM)

SERVICE HISTORY

1999

14 Julai 1999
- Lantikan Pensyarah PTFT

1 September 1999
- Lantikan Pensyarah Kontrak

2021

1 Januari 2001
- Lantikan Pensyarah Tetap

23 Mei 2001
- Tawaran Biasiswa TPM SLAB (MSc)

2003

25 Ogos 2003
- Lantikan Pensyarah Sementara

2004

22 Mei 2004
- Lantikan Pensyarah Tetap

2007

14 Februari 2007
- Pengesahan dalam Perkhidmatan

1 Oktober 2007
- Tawaran Biasiswa SLAI (PhD)

2012

17 Disember 2012
- Lantikan ke Jawatan Professor Madya

2019

6 Julai 2019
- Lantikan Fellow Malaysia Association of Medical Physics

2022

6 Oktober 2022
- Lantikan ke Professor (VK7)

PUBLICATION

114 Total manuscripts

- **45** Indexed Journals
  - Q1 - 11
  - Q2 - 21
  - Q3/Q4 – 13
- **12** Indexed Proceedings
- **49** Other Publications
- **4** Books / Research Books
- **4** Policy / Report

CITATION & H-INDEX

475 (WOS) **12**

553 (SCOPUS) **12**

838 (GOOGLE SCHOLAR) **15**

SUPERVISON

12 Postgraduate Students

- **3** PhD graduated
- **3** PhD active
- **4** MSc graduated (UiTM)
- **2** MSc graduated (Non UiTM)

INNOVATION

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Gold Award IIDEX2019 (3Ddose - microHD)

Silver Award ITEX2020 (3Ddose - microHD)

RESEARCH GRANT

RM 8.58 M Total awarded

- **2** International • RM20K
- **6** National (Institutional Research) • RM751K
- **30** National (Research in Field) • RM6.82M
- **2** Consultancy Project (Industry) • RM1.03M
- **21** PI
- **17** Member

ADMINISTRATIVE POST

2023 Rektor UiTM Cawangan Selangor

2022 Penolong Rektor UiTM Kampus Sungai Buloh & Selayang

2019 Pengarah Bahagian Transformasi Universiti (BTU)
- Pengarah Pusat Perancangan & Maklumat Strategik (CSPI)

2015 Pengarah Pusat Pengurusan Penyelidikan (RMC - IRMI)

2014 Ketua Penyelidikan (Unit Pemantauan - RMI)

2013 Timbalan Rektor Hal Ehwal Akademik (HEA) UiTM NS

2012 Koordinator Unit Fizik UiTM NS
- Koordinator Unit Perlindungan Sinaran dan Keselamatan UiTM NS
- Koordinator Unit Pengajian Siswazah UiTM NS
- Koordinator Unit Makmal Sains UiTM NS

2006 Koordinator Unit Pembangunan Penyelidikan & Pengkormesilan (URDC) UiTM NS

2005 Koordinator Akademik (Hal Ehwal Akademik) UiTM NS
- Koordinator Institut Kepimpinan dan Pengurusan Kualiti Akademik (iLQaM) UiTM NS
- Ketua Unit Fizik UiTM NS

2004 Ketua Unit Fizik UiTM NS

NETWORKING & COLLOBORATION

2014-2017 UNIVERSITY OF SURREY
Visiting Senior Fellow at University of Surrey, UK

2011 – 2012 UNIVERSITY OF SURREY
Visiting Researcher at University of Surrey, UK

2021 King Saud University
Visiting Researcher at King Saud University, Saudi Arabia

2022-2027 Senior Fellow IOS

2019 – 2022 Fellow IOS

2015 – 2019 Associate Fellow IOS

UNIVERSITY OF SURREY · USM UNIVERSITI SAINS MALAYSIA · MMU MULTIMEDIA UNIVERSITY · Lumisyns · NPL National Physical Laboratory · King Saud University · UNIVERSITY OF MALAYA · PANTAI HOSPITAL Kuala Lumpur · The Institute of Cancer Research · SUNWAY UNIVERSITY · ESRF

AWARDS

- 2005 — Khidmat Cemerlang
- 2009 — Pencapaian Aras IV TK3
- 2009 — NSS Tainee Grant - NSS-MIC Symposium
- 2011 — CR Barber Trust Fund - IOP Conference
- 2016 — Khidmat Cemerlang
- 2011 — Most Valued Reviewer for "Applied Radiation Isotope (Q2)"
- 2011 — Insentif Journal Berimpak
- 2011 — IPEM Bursary Award
- 2015 & 2017 — Outstanding Reviewer "Radiation Physics Chemistry (Q1)"
- 2019 — Gold Award for IIDEX
- 2020 — Khidmat Cemerlang
- 2020 — Silver Award for ITEX
- 2025 — Ajutan Kor SUKSIS UiTM Cawangan Selangor.
- 2025 — Brigedier Jeneral Kesatria Kehormat (Pegawai Kehormat Kesatria UiTM)
- 2024 — Kepimpinan Cakna OKU Universiti Teknologi MARA 2024.

1 UNIVERSITY SERVICES

2004 – 2022
Pentadbir Akademik

2014 – 2016
Panel Penilai InQKA

2025
Panel Penulis Dokumen Perancangan Strategik UiTM 2025

2014
Panel Penulis Buku Strategik Planning RMK11

2016
Panel Penulis Buku Tadbir Urus UiTM 2015

15
Jawatankuasa di dalam Pembangunan Akademik

30
Ahli Mesyuarat di Fakulti/ Kampus/ Eksekutif Universiti

20
Jawatankuasa di Fakulti dan Kampus

30
Penglibatan di dalam Aktiviti Pelajar

2 PANEL OF EXAMINER /EVALUATOR/JUDGE

2021-2023
Ahli Board of Study (Fakulti Sains UTM)

2021-2023
Panel Penilai Luar Kurikulum Fizik UTM

2022
Panel Penilai Luar Kurikulum Fizik UTM

- Postgraduate External Examiner (16 MSc & 8 PhD)
- Postgraduate Internal Examiner (12 MSc & 4 PhD)
- Panel of Reviewer (38 Indexed Journal)

2019-2021
Panel of Judge (RICES-MMU)

2015-2019
Panel of Judge (IIDEX-UiTM)

2012
Panel of Judge IID UiTM NS)

2012
Panel of Judge (ISRP15)

3 EDITORIAL TEAM

2020-Now
Physics and Technology in Medicine Journal

2012 – 2014
Journal of Academia (UiTM NS)

2019
Editor Proceeding - Physics & Material Symposium

2015 – 2018
SRJ Journal

2019
Editor Proceeding - J. Phys. Conf. Ser. 1248-011001

4 EXPERT SERVICES MINISTRY OF HIGHER EDUCATION

2019
AJK Penilai DP KPT

- Task Force NUOF - for Malaysia Research Management Governance

2021-2025
Panel Penulis Pelan Tindakan Keusahawanan KPT

2019-2021
Task Force Kajian ROI DP KPT

2020 - 2022
Panel Pakar Bidang Teknikal Penjana KPT Career Advancement Programme (KPT-PENJANA-CAP)

5 EXPERT SERVICES MOSTI

2021
Panel Pakar - Pembangunan Malaysia Research & Development Classification System (MRDCS)

2017
Fasilitator Focus Group Discussion IR4.0

2013 - 2019
Member Young Scientist Network-Academy Science Malaysia (YSN-ASM)

2020
Member of Content Committee for the 2020 Virtual National Science Challenge

2016
Panel Penilai Geran Penyelidikan MAKNA

6 EXPERT SERVICES MINISTRY OF EDUCATION

2012 – 2019
Panel Ketua Pemeriksa Fizik Matrikulasi 2012

2000 – 2012
Panel Pemeriksa Fizik Matrikulasi

2011 – 2020
Panel Pengubal dan Pentaksir Fizik Matrikulasi

2014
Panel Semakan Kurikulm Fizik Matrikulasi

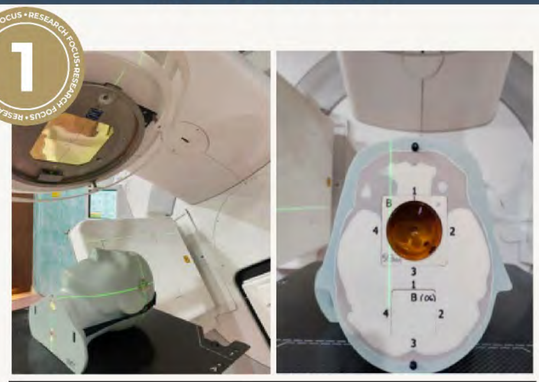
2025
Panel Pakar Rujuk Kurikulum Fizik 2027

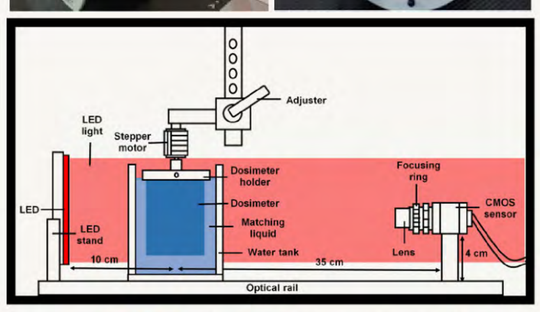
7 EXPERT SERVICES MINISTRY OF HEALTH

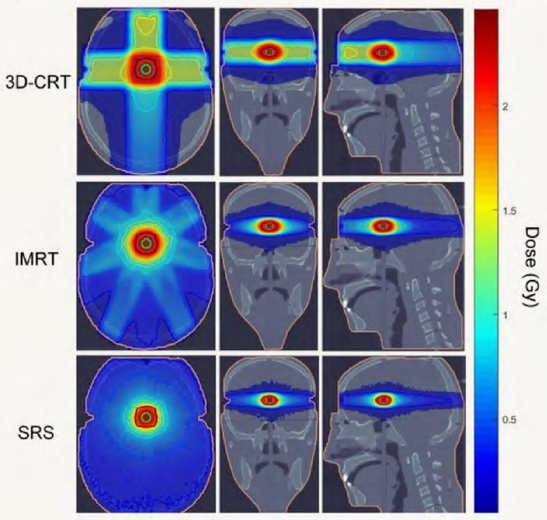
- JK Semakan Penilaian Kelayakan Profession Fizik Perubatan

RESEARCH CONTRIBUTION

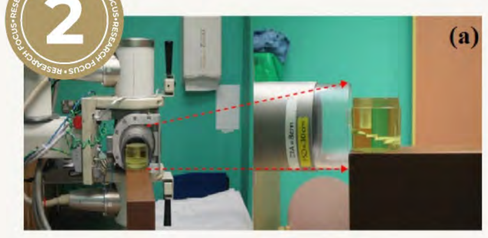
1 3D MICROHD-OCT SYSTEM FOR RADIOTHERAPY OF CANCER

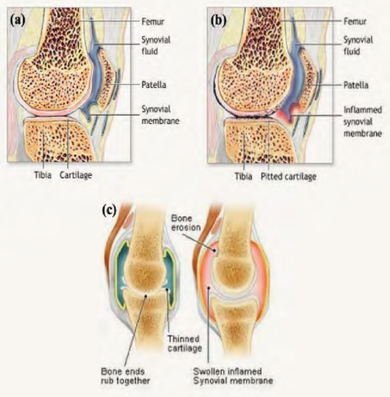


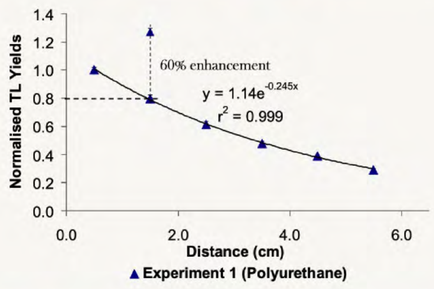


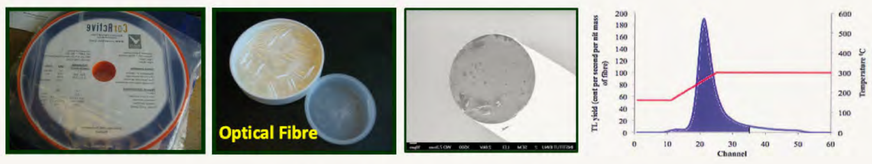


2 DOPED SILICA OPTICAL FIBRE/ GLASS DOSIMETER AS RADIATION DETECTOR

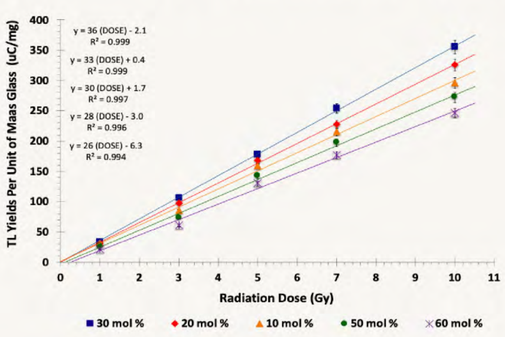


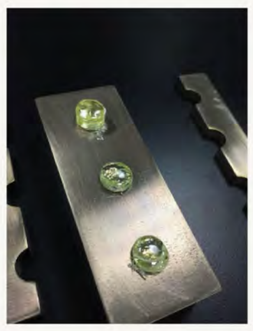
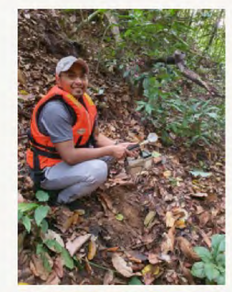
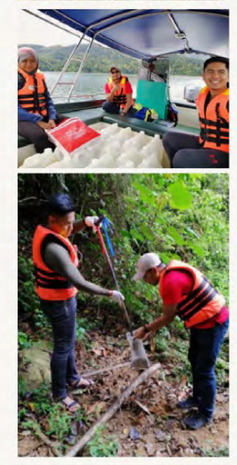
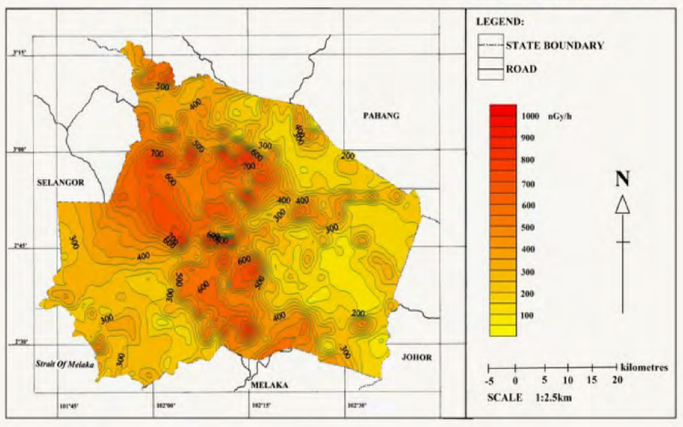






(80-x)B2O3-xTeO2-10Li2O-10Al2O3 (x = 10–60 mol%)





3 NATURAL OCCURING RADIOACTIVE MATERIAL IN SELANGOR, JOHOR AND PERAK