



ACADEMIA INFO

Dr. Mohd Faudzi bin Umar

Head Of Department, Physic Department

✉ faudzi@fsmt.upsi.edu.my

☎ 01548117388

📍 Faculty Of Science And Mathematics
Universiti Pendidikan Sultan Idris (UPSI)

BIOGRAPHY

A lecturer from the Faculty Of Science And Mathematics , Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia.

ACADEMIC QUALIFICATION

- 2021 UNIVERSITI PUTRA MALAYSIA
- 2007 **Ijazah Sarjana Sains(Fizik Gunaan) (Fizik Gunaan)**
Universiti Kebangsaan Malaysia
- 2006 **IJAZAH SARJANA MUDA SAINS DENGAN KEPUJIAN (SAINS NUKLEAR)**
Universiti Kebangsaan Malaysia

AREAS OF EXPERTISE

Fizik

RESEARCH

- 1 New Supergravities From Supersymmetry Breaking
2009 Leader Universiti Pendidikan Sultan Idris
- 2 QUANTUM MECHANICAL SYSTEMS OF NONCOMMUTATIVE PHASE SPACE VIA BOPP SHIFT METHOD
2023 Leader Universiti Pendidikan Sultan Idris
- 3 Eksplorasi Kelikatanjalan Pada Aras Mikroskopik Larutan Nanoselulosa Menggunakan Penyepit Optik
2015 Member Kementerian Pengajian Tinggi
- 4 Pembangunan Modul Pembelajaran Untuk Pelajar Pelbagai Kemampuan Bagi Topik Elektrik
2012 Member Kementerian Pengajian Tinggi

SUPERVISION

PhD

Ongoing : 0

Master

Completed : 3

Ongoing : 1

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my EXPERT@UPSI



PUBLICATIONS

Newton's Second Law on Positive Real Line $\mathbb{R}_+$

1 Jurnal Sains dan Matematik

2023 Malaysian Citation Index First Author

Newton's Second Law on Positive Real Line $\mathbb{R}_+$

2 Jurnal Sains dan Matematik

2023 Malaysian Citation Index First Author

Newton's Second Law on Positive Real Line $\mathbb{R}_+$

3 Jurnal Sains dan Matematik

2023 Malaysian Citation Index First Author

Gauge Invariant Degeneracies and Rotational Symmetry Eigenstates in Noncommutative Plane

4 Journal of Holography Applications in Physics (JHAP)

2022 Google Scholar Co-Author

FEA Simulation of Fluidic Based Pressure Sensor for Different Shaped Membrane

5 International Journal of Recent Technology and Engineering (IJRTE)

2019 SCOPUS Co-Author

Two Dimensional Plane, Modified Symplectic Structure And Quantization

6 Jurnal Fizik Malaysia

2018 Malaysian Citation Index First Author

SUPERVISION

- 1 Microrheological Measurement Of Cellulose Solutions Using A Single Particle Tracking
2016 Master International Co-Supervisor Completed
- 2 Perkaitan Di Antara Pencapaian Fizik Dan Pencapaian Matematik Dalam Kalangan Pelajar Pendidikan Fizik Di UPSI.
2020 Master National Supervisor Completed
- 3 STUDENTS' ATTITUDES AND ACHIEVEMENT TOWARDS FORCE, MOMENTUM AND IMPULSE
2020 Master National Supervisor Completed
- 4 BELUM DINYATAKAN
2024 Master National Supervisor In Progress

CONSULTATION

1 Program Webinar Peningkatan Profesionalisme Guru Fizik Peringkat Negeri Sembilan

2021 Jabatan Pendidikan Negeri, Negeri Sembilan dan PPD Port Dickson In Progress

2 Perundingan Webinar Fizik Kuantum KSSM

2021 PPD Kinta Utara In Progress

3 Article Reviewer

2020 UPSI Completed

4 Panel Penilai Modul

2019 UPSI Completed

AWARD / RECOGNITION

- 1 Application of Freeware and Freeapps in Teaching and Learning of Physics in STEM Education

2019 International Internation Expo on Inventions and Innovations Gold

- 2 Peserta 1st Southeast Asia School on Particle Physics

2012 International KEK-UM

- 3 Sarjana Muda Pendidikan (FIZIK)

2019 University CiTel2019 Silver

- 4 Sains Gunaan "Expo Peyelidikan Dan Inovasi UPSI 2009 (EXPIN09)"

2009 University UPSI Bronze

- 5 Sains Tulen "Expo Peyelidikan Dan Inovasi UPSI 2009 (EXPIN09)"

2009 University UPSI Bronze

- 6 Sijil Penghargaan Perkhidmatan Cemerlang

2022 University Universiti Pendidikan Sultan Idris

- 7 Penilai Sesi Pembentangan Kolokium

2012 University Fakulti Sains dan Matematik