



PERSONAL INFORMATION

Emails: nofouz.90@gmail.com

Mobile & WhatsApp: +60104268934

Home Address: Department of Mathematics and Science Education, Faculty of Education, University of Malaya, Kuala Lumpur 50603, Malaysia

Date of Birth: 15.09.1991

Nationality: Palestinian

Religion: Islam

LANGUAGES

Arabic (Mother Tongue)

English (Fluent)

REFERENCES

Associate. Prof. Dr Hutkemri

Department of Mathematics and Science Education, Faculty of Education, University of Malaya, Malaysia

Tel.: +60379675011

Email: hutkemri@um.edu.my

Associate. Prof. Dr. Hidayah

Binti Mohd Fadzil Department of Mathematics and Science Education, Faculty of Education, University of Malaya, Malaysia

Tel.: +60379675064

Email: hidayahfadzil@um.edu.my

Associate. Prof. Ts. Dr. Mimi Mohaffyza

Binti Mohamad

Jabatan Ikhtisas Pendidikan dan Siswazah
Fakulti Pendidikan Teknikal Dan Vokasional, UTHM

Tel.: +6074564193

E-mail: mimi@uthm.edu.my

HIGHLIGHTS

A PhD holder in Science Education (Physics) with diverse experiences as a experience on teaching sciences, curriculum development, lesson planning, educational technology, tutoring, classroom management, educational leadership, science and teacher training.

Nofouz Mafarja

PH.D. Science Education (Physics)

EDUCATION

2022 PhD in Science Education (Physics)

Department of Mathematics and Science Education, Faculty of Education, University of Malaya

Field: Physics education (critical thinking and problem solving)

Research Topic: effect of reciprocal teaching strategy on physics students critical thinking skills, academic self-concepts and attitude learning physics in palestine.

2017 MASTER of Methods of Teaching Science

Faculty of educational studies – An-Najah National University, Nablus – Palestine,

Field: Physics education, Active learning.

Research Obstacles of Applying Active Learning Strategies in Teaching Science from the Perspectives of the Basic Stage Teachers in Nablus Governorate.

2013 BACHELORS of Teaching Science (Physics)

Faculty of Education - Al-Quds Open University, Ramallah – Palestine,

Field: Physics and biology education

PROFESSIONAL EXPERIENCE

03.2023 – 08.2024– Post Doctoral fellow DS 45

Place: Department of Professional Education and Postgraduate, Faculty of Technical and Vocational Education, Universiti Tun Hussein Onn Malaysia,

Tasks:

- Proposal for research grant (Targeted: Spenser Foundation)
- Networking events such as (Conferences, Workshops, and discussion)
- Assist supervisor in teaching courses
- Assist supervisor in supervision
- Publish at least 2 articles' (WOS)
- Contribution with other researchers (CoR SPEED)

03.2023 – 08.2023 Teaching experience

1. Research Methodology & Development in Tvet [MBE12103], Session 2023/2024 Semester 1, Universiti Tun Hussein Onn Malaysia, 2023
2. Curriculum Development in TVET [MBE22503], Session 2023/2024 Semester 1, Universiti Tun Hussein Onn Malaysia, 2023
3. Curriculum Development in TVET [MBE22503], Session 2022/2023 Semester 2, Universiti Tun Hussein Onn Malaysia, 2023
4. Learning Theories in Education [PBD10304], Session 2023/2024 Semester 1, Universiti Tun Hussein Onn Malaysia, 2023

SOFTWARE SKILLS

- Latex Program.
- Matlab (Neural networks and deep learning).
- SMARTPLS
- AMOS
- SPSS
- Microsoft Project (MS Project).
- Microsoft office.
- Prezi for presentation.

GENERAL SKILLS

- customer service skills,
- decision-making skills,
- Interpersonal skills, teamwork skills, organizational skills,
- writing skills (writing emails and letters),
- communication (oral and written)
- Develop a spirit of Academic teamwork.

ONLINE COURSES

- Preparation for Duolingo test.
- ANN applications.
- Matlab fundamentals.
- Planning & Design of organizations.
- Master strategies and tools to more effectively and successfully manage projects.

COMPETITIONS AND PARTICIPATIONS

- 2019 Participation in Leadership Conference”
- 2019 Participate in 2nd national STEM Seminar 2019.
 - Participate in the IEEE e-Forum “IEEE Region 10 Young Professionals Upskill 2021”.
- 2020 Participation in Science conference
- Presenter Seminar Majlis Dekan Pendidikan 2023
- Presenter at Asian Academic Society for Vocational Education and Training (AASVET) Conference 2023

Activities

- conducted workshops in Universiti Tun Hussein Onn Malaysia related to the Publication in high impact factor Journals
- Coaching FPTV staff for Publication in Scopus Journal

PROFESSIONAL EXPERIENCE

10.2020 - 03.2022 – Research Assistant

Place: University of Malaya/ Kuala Lumpur/ Malaysia

Tasks:

- Writing Literature Review
- Data analysis and write project papers
- helped my supervisor in publishing

08.2017 - 05.2018 – Physics Teacher

Place: AL-Huda Privet School, Ramallah, Palestine.

Tasks: - Teaching Palestinian physics curriculum for secondary grades.

- Preparing daily, and yearly lesson plan.
- Preparing Assignments, Tests, Quizzes, worksheets.
- Training students to use different computer programs in solving questions.
- Conducting different extracurricular activities.
- Conducting physics clubs, including extra classes to support weak students

11.2016 - 05.2017 – Mathematics teacher Assistant

Place: Ministry of education / palestine

Tasks: Teaching Palestinian Mathematics curriculum for elementary grades.

- Preparing daily, and yearly lesson plan.
- Preparing Assignments, Tests, Quizzes, worksheets.
- Training students to use different computer programs in solving questions.
- Conducting different extracurricular activities.
- Conducting Mathematics clubs, including extra classes to support weak students

09.2015 - 05.2016 – Science teacher

Place: Ministry of education / palestine

Tasks: Teaching Palestinian science curriculum for secondary and elementary grades.

- Preparing daily, and yearly lesson plan.
- Preparing Assignments, Tests, Quizzes, worksheets.
- Training students to use different computer programs in solving questions.
- Conducting different extracurricular activities.
- Conducting science clubs, including extra classes to support weak students

02.2014 - 2.2015 – Secretary

Place: General federation of palestine workers, Ramallah, Palestine.

Tasks: - answering calls, taking messages and handling correspondence

- maintaining diaries and arranging appointments
- typing, preparing and collating reports
- filing
- organising and servicing meetings (producing agendas and taking minutes)
- managing databases
- prioritising workloads
- implementing new procedures and administrative systems
- liaising with relevant organisations and clients
- coordinating mail-shots and similar publicity tasks
- logging or processing bills or expenses
- acting as a receptionist and/or meeting and greeting clients

PUBLICATIONS

Ramadan, M., & Mafarja, N (2019). Obstacles of Applying Active Learning Strategies in Teaching Science from the Perspectives of the Basic Stage Teachers in Nablus Governorate. *Al-Istiqlal University Research Journal*, 4(2), 215 – 246. Doi: 10.36554/1796-004-002-008

Mafarja, N., Zulnaidi, H., & Mohd. Fadzil, H. (2022). Using Reciprocal Teaching Strategy to Improve Physics Students' Critical Thinking Ability. *Eurasia Journal of Mathematics, Science and Technology Education*, 18(1), em2069.
<https://doi.org/10.29333/ejmste/11506>

Mafarja, N., & Zulnaidi, H. (2022). Relationship between Critical thinking and academic self- concept: An experimental study of Reciprocal teaching strategy. *Thinking Skills and Creativity Journal*.
<https://doi.org/10.1016/j.tsc.2022.101113>

Mafarja, N., Zulnaidi, H., & Mohd. Fadzil, H. (2023). Effect of reciprocal teaching strategy on physics student's academic self- concept. *International Journal of Evaluation and Research in Education (IJERE)*, 12(2), 1023-1034.
<http://doi.org/10.11591/ijere.v12i2.23628>

Mafarja, N., Mohamad, M. M., Zulnaidi, H., & Fadzil, H. M. (2023). Using of reciprocal teaching to enhance academic achievement: A systematic literature review. *Heliyon*, 9 (2023) e18269.
<https://doi.org/10.1016/j.heliyon.2023.e18269>

Barghouthi, S. M., Zulnaidi, H., & Mafarja, N. (2023). Effect of the Mantle of The Expert in Students' geometry Achievement (Angles and Polygons). *MOJES: Malaysian Online Journal of Educational Sciences*, 11(3), 15-29.

Abidin, N. E. Z., Zulnaidi, H., Mamat, S., & Mafarja, N. (2023). Sport engagement model in Malaysia: Effect of cost and volunteerism. *Heliyon*, 9(11), 1-14.
<https://doi.org/10.1016/j.heliyon.2023.e21198>

Zulnaidi, H., Mafarja, N., & Oktavika, E. (2024). The readiness of IR4. 0: Morality and technology integration among mathematics teachers. *STEM Education*, 4(1), 1-19.

TRAINING AND MANAGEMENT EXPERIENCE

12.2016 till now –(Freelance)

Field: Writing papers, formatting and data analysis

Education: Science education, Mathematics education, Physical education, leadership and management, and other fields.

TRAINING COURSES

Date	Training Courses
2019	Quantitative Data Analysis with SPSS.
2019	Systematic Reviews and Meta -Analysis.
2014	Research Methodology & SPSS
2020	Successful Writing for a Potential Opportunity of a Publication
2018	Academic Writing
2019	How to Publish a Scientific Paper
2020	Academic Writing and Publishing
2021	Smart Oral and Poster presentation
2019	Latex Program
2018	Research tools and Endnote reference manager
2017	Teamwork.
2019	Beginning and intermediate stage in statistical analysis using SPSS & AMOS
2018	How to manage your research work and write reference using Mendeley program
2017	zoom program, google meet and online education (Moodle)
2018	The role of educational scientific research to develop the educational systems and community service
2019	Essential of Statistical Analysis Using SPSS
2020	Writing with Power- Developing Academic Writing Skills Workshop Online
2021	How to Publish with Oxford Journals
2023	Smart PLS 4
2023	Qualitative Research

Publication in Processing

The Effect of Reciprocal Teaching Strategy on Student's Attitude towards Learning Physics. (Under Review), *Studies in Educational Evaluation*

Teachers' Acceptance of eLearning Platforms Using for Inclusive Classrooms: A Case Study from Oman. *international journal of inclusive education*, Under Review

Future Ready Remote Learning: Young Learners' Motivation and Autonomy by Using Interactive Digital technology and Platforms in Oman (Under Review) *educational technology and society*

Virtual Learning Environment to Improve Scientific Literacy: A Systematic Review (submitted) *Educational Research Review*

Reciprocal Teaching on Critical Thinking skills (Book) submitted to UM Press (accepted)

Effect of Identity as a Mediator: The Relationship between Mathematics Teacher Cooperation and Readiness in Facing the Era of Industrial Revolution (accepted) *Nurture*

Effect of Cooperative Learning with Internet Reciprocal Teaching Strategy on Attitude Learning STEM Literacy Sage open under review

A Dataset Quality Assessment of TVET Educational Services toward Employability Skills in Malaysia Technical Universities Network data in brief under review

Promoting Thinking skills and Inventive Problem-Solving skills through Cybergogy Approach for TVET Learners, *Acta Psychologica*, With Editor

Effect of Self-Determined Learning (Heutagogy) on Thinking Skills and Inventive problem-solving skills among TVET Students, Malaysian Journal of learning and instructions, under review

Schoolteachers' Acceptance and Using eLearning platforms and technologies in Inclusive Classrooms based on UTAUT2 in Oman, Malaysian Journal of learning and instructions, under review

The Effectiveness of Mathematics Teaching Materials Based Experiential Learning for Improving Students' HOTS, Research in Mathematics Education, with editor

The Readiness of IR4.0: Morality and Technology Integration among Mathematics Teachers, STEM Education, Submitted

Impact of Self-Directed Learning and Teacher Perception of ICT on Lifelong Learning: Collaborative Teacher Learning as a Mediator, Humanities and Social Sciences Communications, under review

Supervision

- Co-Supervisor for Siti Rafidah Raihan Binti Rafei, Master's Degree Project 1, Universiti Tun Hussein Onn Malaysia, 2023
- Co-Supervisor for Siti Rafidah Raihan Binti Rafei, Master's Degree Project 2, Universiti Tun Hussein Onn Malaysia, 2023
- Co-Supervisor for Siti Zulaikha Binti Hashim, Master's Degree Project 1, Universiti Tun Hussein Onn Malaysia, 2023
- Co-Supervisor for Siti Zulaikha Binti Hashim, Master's Degree Project 2, Universiti Tun Hussein Onn Malaysia, 2023
- Co-supervisor for Umi Aida Binti Alias, MSc, Universiti Tun Hussein Onn Malaysia, 2023

RESEARCH GRANTS AND CONTRACTS

CODE	TITLE	END DATE
W026	THE READINESS OF TVET INSTITUTION FOR IR 4.0 IN SOUTHEAST ASIA	30/12/2023
Q249	Pendekatan heutagogi dan kemahiran berfikir dalam pembelajaran TVET di Kolej Vokasional	15/11/2023
Q615	Development of an integrated Hybrid Learning System Pj-BL Model with a P-5 Character Education approach to improve critical thinking skills and vocational identity of vocational students in the era of Society 5.0	15/11/2024

INTELLECTUAL PROPERTY

1. Teaching and Learning Strategy the Concept of Pedagogy Andragogy, Heutagogy, Peeragogy and Future Learning
2. 5 Ladders of Active Learning for Smart, Active and Interactive Learning Kit

COURSES & TRAINING

YEAR	DESCRIPTION	DATE
2023	BENGKEL PEMBANGUNAN PROPOSAL PENYELIDIKAN DAN MODUL LATIHAN MYRIVET 2023-2024	21/03/2023 - 22/03/2023
2023	KURSUS OUTCOME BASED EDUCATION (OBE)	21/05/2023
2023	KURSUS PROBLEM BASED LEARNING TAHAP 1	30/05/2023
2023	KURSUS STUDENT LEARNING TIME (SLT)	21/06/2023
2023	KURSUS PEMBANGUNAN SOALAN-OPEN-ENDED & MULTIPLE CHOICE	27/06/2023
2023	RESEARCH WEEK PTTA 2023: TIPS AND GUIDE TO PUBLISH IN MYCITE INDEXED JOURNALS	16/08/2023
2023	RESEARCH WEEK PTTA 2023 WEBINAR: IDENTIFY IMPACTFUL JOURNALS THAT SUIT YOUR RESEARCH USING JOURNALS CITATION REPORTS (WEB OF SCIENCE)	22/08/2023
2023	KURSUS SCIENCE OF TEACHING - AMALAN DALAM PENGAJARAN	25/09/2023
2023	BENGKEL PEMBANGUNAN KEMAHIRAN PENGAJARAN DAN PEMBINAAN ITEM PEPERIKSAAN AKHIR DAN UJIAN	26/09/2023 - 27/09/2023
2023	SESI LIBAT SAMA PEMBANGUNAN KAMUS KOMPETENSI - HOUSE OF COMPETENCY (HOC) UTHM SIRI 2/2023	26/09/2023
2023	LET'S EXPLORE PTTA E-RESOURCES SPRINGERLINK & NATURE.COM	02/11/2023
2023	KURSUS PROBLEM BASED LEARNING TAHAP 2	14/11/2023 - 15/11/2023