

Waseem Alwan Zaboon Moarij Albuhsensaray

وسيم علوان زبون معارج البوحسين سراي

Lecturer

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EDUCATION

Doctorate (2023-05-07)

Mechanical Engineeering

Universiti Teknologi Malaysia

RESEARCH METRICS

h-index (Scopus)	3
h-index (GS)	4
Citations (Scopus)	26
Citations (GS)	42
Documents (Scopus)	7
Documents (GS)	8

RESEARCH INTERESTS

- Statistical Process Control
- Control chart patterns recognition
- Quality Engineering
- Artificial Intelligence
- Machine Learning

PROFILE

Biography of Dr. Waseem Alwan Zaboon

Dr. Waseem Alwan Zaboon is a faculty member at the College of Engineering, University of Wasit, Iraq, specializing in Mechanical and Industrial Engineering, with a strong research focus on Statistical Process Control (SPC), Control Chart Pattern Recognition (CCPR), Machine Learning, Artificial Intelligence, and Quality Engineering.

He earned his doctoral degree through Universiti Teknologi Malaysia (UTM), where his research centered on intelligent manufacturing systems and the application of machine learning techniques for industrial quality monitoring. His work has contributed to the development of advanced algorithms for recognizing control chart patterns, improving manufacturing process reliability, and supporting real-time industrial decision-making.

Dr. Zaboon has authored and co-authored numerous peer-reviewed publications in reputable international journals and conference proceedings. His research spans feature selection, ensemble learning, explainable artificial intelligence, predictive analytics, and smart manufacturing technologies. His publications have received international citations and have contributed to advances in quality control and industrial engineering.

Alongside his research activities, Dr. Zaboon is actively engaged in teaching undergraduate and postgraduate engineering courses, supervising student projects, and promoting the integration of artificial intelligence and data-driven methods into engineering education and industrial applications. He is committed to fostering innovation, interdisciplinary collaboration, and practical solutions that bridge academic research with real-world engineering challenges.

ACADEMIC TITLES

2024-12-11 — Lecturer

TEACHING EXPERIENCE

Lecturer

Wasit University

2024-11 - Present

COURSES

- Mechanical Engineering Drawing (MEC0022)

ADMINISTRATIVE POSITIONS

2024-01-12 - 2026-04-08 — Head of the Media and Government Communication Division at the College of Engineering

PUBLICATIONS (10)

1. **A systematic review of protein language models for protein structure prediction and a proposed biological readiness taxonomy**
   Discover Artificial Intelligence 6 (1), 1338, 2026 | 2026

2. **Enhanced Classification of Shewhart Control Chart Patterns Using Hybrid Features and Adaptive Weighted Ensemble Voting**
   Tehnički vjesnik 33 (4), 1671-1685, 2026 | 2026

3. **Health Indicator Estimation for Bearing Prognostics: A Compact Feature-Driven Deep Learning Framework with Domain Adaptation**
   2026

4. **Enhancing Social Media Engagement Sentiment Prediction: A Random Forest and SMOTE-Based Approach with Explainable AI**
   Lecture Notes in Networks and Systems | 2025 | Cited: 11

5. **An improved features selection approach for control chart patterns recognition**
   Indonesian Journal of Electrical Engineering and Computer Science 31 (2 ..., 2023 | 2023 | Cited: 5

6. **Ensemble classifier for recognition of small variation in x-bar control chart patterns**
   Machines 11 (1), 115, 2023 | 2023 | Cited: 15

7. **Ensemble classifier with missing data in control chart patterns**
   Proceedings of the First Australian International Conference on Industrial ..., 2022 | 2022 | Cited: 3

8. **A Review on Input Features for Control Chart Patterns Recognition**
   Proceedings of the 11th Annual International Conference on Industrial ..., 2021 | 2021 | Cited: 4

9. **Real time RFID-based equipment for monitoring environmental railway systems**
   International Journal of Industrial Engineering 11 (1), 2020 | 2020 | Cited: 4

10. **Investigation of Diesel Injector Flow Pattern Based On Computer-aided Design**
    CFD Letters 12 (5), 13-23, 2020 | 2020