

ABDULMUHSEN DAKHIL, PhD



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PORTFOLIO

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PERSONAL INFORMATION

Full Name: Abdulmuhsen Dakhil

Date of Birth: 17.08.1964

PERSONAL SUMMARY

Senior academic and mechanical/industrial engineering expert with over 30 years of experience in teaching, research, and industrial practice. Specialized in machine design, manufacturing processes,

EDUCATION

**Doctor of Philosophy
(Modelling & Design
of Engineering
Systems)**
(2014-2019)

ATILIM UNIVERSITY ,ANKARA, TURKEY

Dissertation title: "Development of Effective Methodology for Improving Undergraduate Program Curriculum in Higher Education Utilizing Six Sigma Approach."

Supervisor: Asst. Prof. Dr. Altan ÖZKİL

**Master of Technology in
Production Engineering**
(1999-2001)

ADVANCED CENTER OF TECHNOLOGY & FACULTY OF ENGINEERING, TRIPOLI, LIBYA

Thesis title: "Metallurgical Principles of Hot Dip Galvanizing of Steel ."

Supervisor: Prof. Dr. Elarbi KHALIL

**Bachelor of Science in
Mechanical &
Industrial Engineering**
(1985-1990)

TRIPOLI UNIVERSITY, TRIPOLI, LIBYA

Graduation project "Failure Analysis at Azzawia Oil Refinery Plant."

Supervisor: Prof. Dr. Mohammed HAMDY

RESEARCH INTERESTS

Machining, Forming, Hot dip galvanizing, Curriculum Development, Machine Design.

EXPERIENCE

Production Engineer
(1991-2006)

ELECTRONIC RESEARCH CENTER, TRIPOLI, LIBYA

Responsibilities undertaken: Preparing Design and Detailed Drawings, Preparing Technological Route Documents, Production Supervision.

Lecturer
(2007-2013)

HIGH INSTITUTE OF SCIENCE & TECHNOLOGY, Souq Aljoumaa

– COURSES GIVEN:

1. Small business management
2. Industrial management
3. Workshop technology
4. Properties of materials
5. Strength of materials

– PROJECTS SUPERVISED:

1. Applying CPM Technique for The Maintenance of Ventilating and Cooling System at Zawite Addehmani Hospital

Assistant Professor
(2013-2026)

HIGH INSTITUTE OF ENGINEERING TECHNOLOGIES – TRIPOLI

– COURSES GIVEN:

1. Machine Design
2. Mechanics of Machines
3. Rotating Equipments
4. Strength of materials
5. Metal Forming and Casting

FACULTY OF AGRICULTURE - DEPARTMENT OF AGRICULTURAL ENGINEERING,
TRIPOLI UNIVERSITY

– COURSES GIVEN:

- Post Graduate Course (Machine Design)

FACULTY OF ENGINEERING, ENGINEERING MANAGEMENT DEPARTMENT

– Master Thesis Supervision

1. Development of Corrosion Risk Assessment Model for Downhole Production Equipment in Bouri Field, *Heba Ahmed Attajouri 2022*.
2. “Assessing the Impact of Organizational Structure Changes in Government Ministries: A Case Study of the Ministry of Marine Wealth (Mohammed Fathi Madi, 2025).”

ADMINISTRATIVE DUTIES

(2010-2012)

CHAIR, DEPARTMENT OF OF STRUCTURAL ENGINEERING TECHNOLOGY
HIGH INSTITUTE OF SCIENCE & TECHNOLOGY, Souq Aljoumaa, TRIPOLI - LIBYA

(2012-2013)

VICE CHAIR OF HIGH INSTITUTE OF SCIENCE & TECHNOLOGY, Souq Aljoumaa, TRIPOLI
- LIBYA

PUBLICATIONS

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1. Muhammed. Hamdy, Abdulmuhsen. Dakhil, Mahmoud. Fellag, Mustsfa. Sannough “Failure Analysis at Azzawia Oil Refinery Plant,” *The International Energy Conference , Tripoli, Libya, 1993*.
 2. Heba A. Attajouri, Abdulmuhsen Dakhil, Mahmud Abid “Development of Corrosion Risk Assessment Model for Downhole Production Equipment in Bouri Field”. *International Conference on Mechanical and Industrial Engineering ICMIE2022 November 15-17, 2022 Tripoli-Libya*
 3. Abdulmuhsen. Dakhil, Altan. Ozkil “An Effective Approach for Improving a Program Curriculum at an Undergraduate Level Utilizing the Importance-Performance Analysis Paradigm,” *International Journal of Science and Research (IJSR), Vol. 8, Issue 7, 174-182, 2019*
 4. BOOK “ Fundamentals of Metal Machining” *Printed by Dar Alhekma Library, Tripoli Libya, 2024*.