

RAWAN ABDULMOHSIN

Materials Science & Nanotechnology Engineer | Laboratory Testing | Quality Assurance

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PROFESSIONAL PROFILE

Saudi Council of Engineers-accredited Materials Science & Nanotechnology Engineering graduate with hands-on experience in electrochemical testing, materials characterisation, laboratory reporting and experimental data analysis. Completed a research project on heavy-metal sensing using molecularly imprinted polymers. Additional professional experience in data quality and corporate training in Japan. Seeking opportunities in materials testing, laboratory operations or quality assurance.

TECHNICAL SKILLS

Laboratory & materials: Materials testing, electrochemical analysis, sample preparation, laboratory safety, experimental reporting

Instrumentation & software: AUTOLAB, OriginLab, Microsoft Excel, Microsoft Office

Quality & data: Data validation, quality checks, technical documentation, Quality Management Systems (QMS) fundamentals, continuous improvement

SELECTED ENGINEERING PROJECT

Electrochemical Heavy-Metal Sensing | Final-Year University Project

Near East University | 2022

- Developed and tested an electrochemical sensing approach for cadmium and lead using carbon paste and molecularly imprinted polymers (MIPs).
- Conducted electrochemical measurements using AUTOLAB, analysed results in OriginLab and documented the experimental methodology and findings.

PROFESSIONAL EXPERIENCE

English Communication & Corporate Training Specialist | GABA Corporation

Japan | Mar 2024 – Mar 2026

- Delivered customised professional communication training to engineers, executives, healthcare professionals and corporate clients.
- Designed sessions around individual client requirements, strengthening cross-cultural communication, presentation and stakeholder-facing skills.

Data & Quality Assistant | Isazi Consulting

Remote | Mar 2023 – Mar 2024

- Reviewed, validated and processed datasets supporting artificial intelligence training workflows, with attention to accuracy and data integrity.
- Applied structured documentation and quality-checking practices; collaborated with cross-functional teams to improve data quality.

Materials Laboratory Intern | Near East University

Nicosia, Cyprus | Jul 2021 – Sep 2021

- Performed materials testing and electrochemical characterisation with AUTOLAB while following laboratory safety and quality procedures.
- Analysed experimental results in OriginLab and prepared technical reports describing procedures, observations and findings.

EDUCATION

BSc, Materials Science & Nanotechnology Engineering | Near East University

Nicosia, Cyprus | Aug 2018 – Jun 2022 | CGPA: 3.14/4.00 | Graduated with Honours

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Saudi Council of Engineers (SCE) — Accredited Materials Engineer; valid until May 2027
- Six Sigma Yellow Belt — Six Sigma Council (2026) | Lean Six Sigma White Belt — Six Sigma Council (2026)
- Quality Management Systems (ISO 9001 principles) — Alison (2026)
- McKinsey Forward Program: Structured Problem Solving & Decision Making — McKinsey.org (2024)