

Mabkhoot Abdullah Mohammad Alsaari

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Saudi Arabia

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ABOUT ME

A Ph.D. holder in Material Science with a strong educational & industrial background, Obtained a bachelor's degree from King Saud University, a master's, and Ph.D. from the University of Southampton. Distinctive experience in scientific research and educational management. In Addition to that has industrial background as CEO and Co-founder of mining service companies as well as a consultant to number of national mining companies. I possess numerous scientific skills, including AFM, HT-PVD, XRD, ICP, XRF and other advanced techniques. Active member in several prestigious professional associations and a recipient of international scientific awards.

PUBLICATIONS

- More than 100 ISI paper have been published in the field of material science and mining.
- 4 US patent under registration.
- The published scientific research is available at **This Link**.

EDUCATION

PhD degree in Material science & mining

University of Southampton - England, UK 2018

Master's degree in Project Management

Solent University Southampton - England, United Kingdom 2017

Master's degree in Electrocatalysis

University of Southampton - England, United Kingdom 2012

Bachelor's degree in Chemistry

King Saud University - Riyadh, Kingdom of Saudi Arabia 2008

Business EXPERIENCES

- CEO of Telad invetsment company **2010-2014**
- Co-Founder of ASS mining company **2010- 2017**

Scientific Councils

- Chairman of the Chemistry Department Council at the College of Science and Arts in Sharurah
- Trustee of the Scientific Research Deanship Council
- Member of the Board of Directors of the Advanced Materials Science Research Center and Nanotechnology Research at Najran University
- Member of the College of Science and Arts Council in Sharurah
- Trustee of the Investment Committee at Najran University

Committee Memberships

- Member of the Promotion and Scholarship Committee at the College of Science and Arts in Sharurah
- Member of the Development and Quality Committee at the College of Science and Arts
- Trustee of the Permanent Committee for Institutional Funding programe
- Member of the Permanent Committee for Research Ethics
- Member of the Committee for Preparing the Investment Plan for Najran University
- Advisor to the National Mining Committee

Professional Memberships

- Royal Society of Chemistry
- Saudi Chemical Society
- Materials and Metallurgy Science Association

DEVELOPMENT COURSES

- Endowment management, Dammam, 2023
- Promising Programme Certificate for promising leaders, Abha, 2023
- Institutional culture and behavior, Abha, 2022
- Leading others, Jeddah, 2022
- Decision Making, Riyadh, 2019
- Team Management, Riyadh, 2019
- Professional Project Management, Egypt, 2018
- Volunteer Management, UK, 2011
- Communication Skills, UK, 2011
- Mind Mapping, UK, 2010
- Time Management, UK, 2010
- Negotiation Skills, UK, 2010.
- Entrepreneurship and innovations, 2010

SCIENTIFIC COURSES

- **Principles of Public Safety**, King Saud University, 2006
- **Laboratory Safety**, University of Southampton, 2011
- **Handling Chemicals**, King Saud University, 2016
- **Training Course on Atomic Force Microscope**, Jülich Research Center – Aachen University, Germany, 2016
- **Training Courses on Analytical and Inspection Devices for Nanomaterials**, Advanced Materials Research Center – University of Southampton, Britain, 2017
- **Security and Safety in Chemical Laboratories**, King Saud University, 2019

Scientific Conferences

1. **Alsaieri, M**, Jaffar. S and Hayden.B. H. High Throughput Synthetic and Screening Methodologies for the Optimising of ReRAM: Benchmarking of Titania Phases, Advances in ReRAM materials and interfaces, institute of nanoscience and nanotechnology Greece (2015).
2. **Alsaieri, M**, Sandy. K and Hayden. B. Toward Functional Materials for Resistive Switching Memory using Molecular Beam Epitaxy. 6th International Chemistry Conference. Riyadh (2016)
3. **Alsaieri, M** and Hayden, B: Controlling growth of Materials and structure for resistive memory using combinatorial synthesis and high-throughput screening methodologies. 17th Non-Volatile Memory Technology Symposium (NVMTS) P1-02, At: Germany (2017).
4. **Alsaieri, M**, Brian H. Toward Functional Materials for Resistive Switching Memory using Combinatorial Synthesis of Evaporated Thin Films. 2nd International Conference on Materials Design and Applications (ICMDA 2019) conference. Tokyo, Japan (2018) (BEST PAPER).
5. **Alsaieri, M** and Hayden, B. The effect of current compliance on resistive switching behaviours using TiO₂ thin film sandwiched between Pt electrodes. 14th International Conference on Materials Chemistry (2019).
6. **Mabkhoot Alsaieri**, Nabil Alhimary and Moustafa Rizq, Assessment of the chemical and physical parameters of groundwater quality

AWARDS AND CERTIFICATES OF APPRECIATION

- Certificate of appreciation from the Saudi Cultural Attaché in Britain for scientific excellence
- Best Scientific Paper in the field of Materials Synthesis and Engineering at the Second Conference on Materials Science and its Applications in Tokyo, Japan 2018

SCIENTIFIC SKILLS

- Clean Room (ion beam etching, Photolithography)
- Atomic Force Microscopy (AFM)
- High Throughput Physical Vapour Deposition (HT-PVD)
- X-ray Diffraction (XRD)
- X-Ray Photoelectron Spectroscopy (XPS)
- Scanning electron microscopy, Energy-dispersive X-ray spectroscopy (SEM, EDX)
- XRD and ICP