

# SHAHD ABDULLAH ALAMRI

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## SUMMARY

I am a dedicated researcher with expertise in renewable energy and biodiesel production. My work focuses on developing innovative catalysts and utilizing advanced technologies, such as microwave-assisted processes, to optimize sustainable fuel production. I have strong presentation and public speaking skills, demonstrated through delivering oral presentations at international conferences. I am passionate about contributing to clean energy solutions through research and collaboration with industry professionals and academics. My skills include catalyst synthesis, characterization, and process optimization, making me committed to advancing the field of green energy.

## EDUCATION

<b>Master's degree in Chemical Engineering</b> King Khalid University	<b>2025</b>
<b>Bachelor's degree in Chemistry</b> University of Bisha	<b>2019</b>

## RESEARCH EXPERIENCE

**Master's Thesis: Development of transition metal catalysts supported on al-sba-15 and mussel shell for biodiesel production via atmospheric pressure microwave-assisted process**

KKU | Oct 2023- Feb 2025

## CONFERENCES AND PRESENTATIONS

- Oral Presentation at the 9th International Conference on Catalysis and Chemical Engineering (CCE-2025). **San Francisco, CA - 2025**
- 7th Global Virtual Summit on Chemistry & Pharmaceutical Chemistry (CHEMISTRY 2025). Online Conference, **London - 2025**

## PUBLICATIONS

**Engineering Novel Al-SBA-15 Supported Transition Metal Catalysts for High-Performance Microwave-Assisted Biodiesel Production**

- Journal of Industrial and Engineering Chemistry Research.

**Development of a Novel CaO-Based Transition Metal Catalyst from Mussel Shells for Microwave-Assisted Biodiesel Production"**

- Processes

## MEMBERSHIPS

- Member of the American Institute of Chemical Engineers (AIChE).
- Certified trainer by (TVTC).
- Member of Saudi Academics.

## CERTIFICATIONS

- OSHA Certificate in Occupational Safety and Health - **Occupational Safety and Health Administration (OSHA)**
- Certified Key Performance Indicators Professional (CKPIP) - **Udemy**
- MATLAB Course - **VANDERBILT University**
- (TOT) training of trainers - **TVTC**
- Supervisory skills and team leadership - **TVTC**

## SKILLS

- Team leadership
- Communication
- Training and development
- Power BI
- Negotiations
- Business development
- Advanced Excel skills.
- Strategic planning
- Client relationships