

CURRICULUM VITAE

PERSONAL DATA

Name	<i>Laila Alqarni</i>
Nationality	Saudi
Position	Associate Professor
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EDUCATION

Year	Academic Degree	Institution
2006	<i>B.Sc. in Chemistry</i>	<i>King Abdul Aziz University</i>
2009	<i>M.Sc. in Chemistry</i>	<i>King Abdul Aziz University</i>
2019	<i>Ph.D. physical Chemistry</i>	<i>New Jersey institute of science and technology</i>

WORK EXPERIENCE

Period	Position	Address
<i>2024 – Present</i>	<i>Associate Professor</i>	<i>IMSIU -Saudia Arabia</i>
<i>2020-2024</i>	<i>Assistant Professor</i>	<i>IMSIU -Saudia Arabia</i>
<i>2009-2020</i>	<i>Lecturer</i>	<i>BU - Saudia Arabia</i>
<i>2007-2009</i>	<i>Teaching Assistant</i>	<i>BU - Saudia Arabia</i>

RESEARCH INTERESTS

Optical and electrical study of Metal Oxide Polymer nanotextured composites and their utilization in advance energy storage devices and water treatment.
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PUBLICATIONS

- Green Synthesis of Uncoated and Olive Leaf Extract-Coated Silver Nanoparticles: Sunlight Photocatalytic, Antiparasitic, and Antifungal Activities. *International Journal of Molecular Sciences*, 25(6), 3082.
- Novel Cs-Co₃O₄@ g-C₃N₄ nanocomposite constructed for malachite green dye adsorption. *Inorganic Chemistry Communications*, 159, 111855.
- High aspect ratio TiO₂-Mn₃O₄ heterostructure: Proficient nanorods for pathogen inhibition and supercapacitor application. *Materials Science and Technology*, (2023)1-10.
- Enhancing the optical, electrical, dielectric properties and antimicrobial activity of chitosan/gelatin incorporated with Co-doped ZnO nanoparticles: Nanocomposites for use in energy storage and food packaging. *Journal of Molecular Structure*, (2024) 1297, 137011.1
- Bismuth Vanadate Decked Polyaniline Polymeric Nanocomposites: The Robust Photocatalytic Destruction of Microbial and Chemical Toxicants. *Materials*, 16(2023), 3314
- A novel chitosan-alginate@ Fe/Mn mixed oxide nanocomposite for highly efficient removal of Cr (VI) from wastewater: Experiment and adsorption mechanism. *International Journal of Biological Macromolecules*, 263, 129989.
- Photocatalytic degradation of rhodamine-B and water densification via eco-friendly synthesized Cr₂O₃ and Ag@ Cr₂O₃ using garlic peel aqueous extract. *Nanomaterials*, 14(3), 289.
- Phytosynthesis via wasted onion peel extract of samarium oxide/silver core/shell nanoparticles for excellent inhibition of microbes. *Heliyon*, 10(3).
- Experimental and Theoretical Investigations on the Use of Pumpkin Peel as a Sustainable Biomass Anticorrosion Agent for Aluminum in HCl Solutions. *Journal of Chemistry*, 2024(1), 5696212.

For more information about research productivity:

Google Scholar Link: <https://scholar.google.com/citations?user=CcfnW6MAAAAJ&hl=en&oi=ao>

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