



Yasser B. Mohamed

Professor of Materials Science



CONTACT INFO

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LANGUAGE

Arabic
English

EXPERTISE

Pioneering research in radiation-shielding glasses, sustainable waste-derived materials, and advanced ultrasonic/thermal characterization techniques, driving innovations in nuclear safety, environmental sustainability, and academic leadership through mentorship and curriculum development.

EXECUTIVE SUMMARY

Yasser Bakr Saddeek Muhammed is a Professor of Solid-State Physics with 188 ISI-indexed publications, pioneering research on borate, phosphate, and tellurite glasses for radiation shielding, mechanical resilience, and eco-friendly waste integration. His work combines ultrasonic characterization, thermal analysis, and sustainable glass synthesis to advance materials science for industrial and environmental applications.

WORK EXPERIENCE

Yasser Bakr Saddeek Muhammed is a **full-time professor of Physics at the College of Science, Majmaah University, Saudi Arabia (2019–present)**, having previously served as a faculty member there **(2009–2012)**. At **Al Azhar University, Egypt**, he held key leadership roles as **Head of the Physics Department (2012–2015)** and **vice dean of the Faculty of Science (2016–2018)**, while serving on **faculty promotion committees (2016–2018)**. His academic leadership spans supervising **six completed PhDs and 15 MSc theses, as well as teaching graduate programs (e.g., Radiation Physics)** and undergraduate courses in solid-state physics and materials science.

ACADEMIC BACKGROUND

Yasser B. Saddeek Muhammed earned his **PhD (2001) and MSc (1997) in Physics (Ultrasonic Waves)** from Al Azhar University, Egypt, following a **BSc in Physics (1989, Excellent)** from El Minia University. He was promoted to the rank of **Professor (2011)** at Al Azhar University. My research focuses on radiation-shielding glasses, ultrasonic/thermal characterization, and sustainable waste-derived materials—his 185 ISI-indexed papers advance applications in environmental remediation and industrial material design.

MORE ABOUT ME

Professor Yasser Saddeek, ranked among the top 2% of global scientists (Stanford, 2020–2024), is a highly cited physicist with over 6,750 citations and an h-index of 47, and has been leading research at Majmaah University in Saudi Arabia since 2019. He previously served as Vice-Dean and Head of Physics at Al Azhar University in Egypt from 2012 to 2018. He is a pioneer in radiation-shielding glass systems and in sustainable materials derived from industrial waste, such as cement kiln dust, advancing nuclear safety and environmental sustainability. As a dedicated mentor, he has supervised more than 17 graduate theses, taught Radiation Physics, and fostered global collaborations to convert waste into high-performance solutions, merging cutting-edge science with societal impact.

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