

Prof. Azeez Abdullah Barzinjy

Soran University, Kurdistan Region, Iraq

Short Biography

Prof. Azeez Barzinjy was born in Erbil, Iraq. He obtained his B.Sc. in Physics and his first M.Sc. in *Superconductivity* from the University of Salahaddin-Erbil in 1998 and 2004, respectively. In 2009, he earned a second M.Sc. in *Theoretical Physics* from Old Dominion University, USA, followed by a Ph.D. in *Materials Science* from the Materials Science Centre, University of Leicester, UK, in 2014.

He is currently a Full Professor at Soran University, Iraq. Prof. Barzinjy has actively contributed to numerous international and national conferences, often serving as a keynote speaker. He has published more than 150 peer-reviewed articles in high-impact journals, with his research accruing over 3750 citations and an h-index of 33.

His research interests focus primarily on the green synthesis of nanoparticles using plant extracts and novel ionic liquid media. He explores their diverse applications in wastewater treatment, enhancement of solar cell efficiency, improvement of construction materials, nano-dentistry, antibacterial and antimicrobial therapies, anticancer treatments, thin-film fabrication, sensor development, and other advanced technological fields.

Prof. Barzinjy is currently supervising several M.Sc. and Ph.D. candidates across multiple universities. In recognition of his scientific contributions, Stanford University included him in its list of the world's top 2% of scientists in the field of Materials Science in both 2023, 2024 and 2025.

He is member of:

- 1- American Physical Society since 2008.
- 2- American Chemical Society since 2011.
- 3- Royal Society of Chemistry since 2011.
- 4- Leicester ionic liquids group since 2011.
- 5- International Nanotechnology association since 2019.
- 6- International Association for Engineering & Technology since 2020.