

Professor Hala J. El-Khozondar is a Professor of Physics and Electrical Engineering with over 25 years of academic, research, and leadership experience in renewable energy systems, nanophotonics, plasmonics, computational modelling, and applied physics. Her research focuses on sustainable energy technologies, advanced solar cells, hybrid renewable energy systems, green hydrogen production, optical sensing, and nanomaterials for energy and biomedical applications.

She has authored more than 250 peer-reviewed publications, including research articles, review papers, books, and book chapters, and has led or contributed as Principal Investigator/Co-Principal Investigator to 36 competitive research projects with total funding exceeding €2.5 million. Her work integrates advanced computational modelling, artificial intelligence, and materials engineering to develop innovative solutions for clean energy generation and smart technologies.

Professor El-Khozondar has delivered more than 15 keynote and invited lectures at international conferences and scientific events. She has supervised over 40 B.Sc. and 20 M.Sc. students, contributed to Ph.D. and postdoctoral supervision, and established extensive international research collaborations.

Her achievements have been recognised through prestigious international awards and fellowships, including the Fulbright Scholarship, Alexander von Humboldt Fellowship, TWAS Medal Lecture Award (2018), and ISESCO Prize in Science and Technology (2014). She is dedicated to advancing interdisciplinary research and global scientific collaboration.