

**Short biography:**

**Dr. Hassane Lgaz** is an Associate Professor at Hanyang University. He earned his Ph.D. from Ibn Tofail University (Kenitra, Morocco) in 2017 and began his postdoctoral career at Konkuk University (Seoul, South Korea) in 2018 as an Assistant Research Professor. In 2020, he joined Hanyang University ERICA as a researcher, was appointed Assistant Professor in April 2022, and later promoted to Associate Professor at the Center for Creative Convergence Education.

Dr. Lgaz's research spans corrosion inhibition, concrete durability, wastewater treatment, density functional theory (DFT) modeling, and molecular dynamics simulations. He has published over 200 articles in SCI-indexed journals, with more than 9,500 citations in Web of Science and 11,700 in Scopus, achieving h-indices of 54 and 60, respectively. Recognized among the top ten global authors in corrosion inhibition, Dr. Lgaz has also contributed seven book chapters with esteemed publishers such as Elsevier, Wiley, the Royal Society of Chemistry, and the American Chemical Society. His research collaborations include partners from Morocco, China, India, Saudi Arabia, Brazil, and South Africa.