Selected academic CV

Ilyes Jedidi

Assistant Professor of Chemistry
University of Technology and Applied Sciences, Suhar, Oman
ORCID 0000-0002-7213-3051

Academic appointments

2020–present — **University of Technology and Applied Sciences, Suhar, Oman**
Assistant Professor of Chemistry

2018–2020 — **College of Applied Science, Sohar, Oman**
Assistant Professor of Chemistry. Now part of UTAS.

2010–2018 — **University of Monastir, Mahdia, Tunisia**
Assistant Professor of Chemistry

2008–2010 — **University of Sfax, Sfax, Tunisia**
Lecturer in Chemistry

2003–2004 — **Université du Québec à Montréal, Canada**
Teaching Assistant in Chemistry

Education

2010 — **PhD in Science, double diploma**
Université de Montpellier II
University of Sfax
Chemistry and Physical Chemistry of Materials

2005 — **MSc in Chemistry**
Université du Québec à Montréal

2001 — **Graduate Diploma in Chemical Engineering**
Polytechnique Montréal

1998 — **BSc in Chemistry**
Université du Québec à Montréal

Funded projects

2024–2026 — **Carbon membranes for CO_2 separation**
Principal investigator · Oman MoHERI Block Funding Program

2024–2026 — **Wastewater treatment by photoelectrochemical oxidation and filtration**
Co-principal investigator · Oman MoHERI Block Funding Program

2020–2022 — **Low-cost ceramic membranes for wastewater treatment**
Principal investigator · Oman MoHERI Block Funding Program

Selected publications

2026 **Beeswax/LDPE/carbon graphite composites for thermal energy storage applications: Impact of CNTs on thermophysical performance and stability**
Sirine Ben Belgacem, Abdelwaheb Trigui, Sabrine Zghal, Ilyes Jedidi, Mohamed Sahbi Loukil, Mattias Calmunger, and Makki Abdelmouleh
Composites Communications

2025 **In-situ growth of carbon nanotubes in natural clay material: development of a new composite for the removal of persistent Azo dyes pollutants from wastewater**
Samia Souifi, Sabrine Zghal, Ilyes Jedidi, et al.
Emergent Materials

2023 **Adsorptive Removal of Rhodamine B Dye Using Carbon Graphite/CNT Composites as Adsorbents: Kinetics, Isotherms and Thermodynamic Study**
Sabrine Zghal, Ilyes Jedidi, Marc Cretin, Sophie Cerneaux, and Makki Abdelmouleh
Materials 16, 1015

2022 **Detailed manufacturing process of a tubular carbon microfiltration membrane for industrial wastewater treatment**
Ilyes Jedidi, Marc Cretin, Sophie Cerneaux, et al.
Journal of Porous Materials

Courses taught at UTAS–Suhar

ENCH2103 **Applied Physical Chemistry**
Undergraduate

CHEM1110 **Chemistry for Engineering**
Undergraduate

EGCH2140 **Organic Chemistry**
Undergraduate

EGETS5242 **Carbon Capture, Utilization and Storage Technologies**
Graduate

Thesis supervision

UTAS–Suhar **Master's supervision**
Clay–TiO_2 ceramic capillary membranes
Carbon–TiO_2 composites for wastewater treatment

University of Sfax **Doctoral co-supervision**
Electroactive carbon materials
Phase-change composites