Une image contenant personne, Visage humain, sourire, mur

Description générée automatiquement

**Prof. Abdelwahed CHARI**

Assistant Professor  
MSN

**Field of Expertise:** large scale energy production  Lithium-ion batteries, Sodium-ion batteries, vanadium redox flow batteries

Dr Abdelwahed CHARI has extensive industrial experience, more than 15 years, in large scale energy production and water treatment at OCP Groupe.

He has held several positions of responsibility within the OCP Group (Production Team Leader, Assistant workshop chief, Production Workshop Manager (Water Treatment and Sea Water Pumping Units), Facilitator and Coordinator of the '' Movement '' and Animator at CCI EL Jorf and Safi.

Since 2018, Dr Abdelwahed became an OCP professor, he is teaching modules related to Power generation technology and Water treatment technology at OCP Group.

He earned his PhD in materials sciences from the University Hassan II in collaboration with Mohammed VI Polytechnic University (UM6P). His PhD thesis focuses on Synthesis, characterization, and applications (Water and Energy) of new phosphate-based materials.

Dr Abdelwahed participated in several national and international conferences once as an industrial keynote speaker (Morocco) and several times as a speaker (Morocco, Italy, France, Germany, and Spain).

He is awarded two times best poster prize from the Second Moroccan Spring School on Advanced Materials in June 2019, ‘MAScIR’ Rabat, and ENSUS Annual Scientific Day 2021 on December 13th, ‘UM6P/MSN’ Benguerir.

Since April 2022, Dr CHARI has been an Assistant Professor at Materials Science, energy, and Nanoengineering (MSN) department -Mohammed VI Polytechnic University, his work was focused on developing cathodes and anodes materials for both Na- and Li-ion Batteries, synthesis and characterization of materials and electrochemical evaluation of synthesized materials with due correlation. His current research focuses on developing a high-energy-density electrode materials system for efficient energy storage technology and low-cost batteries based on the abundant elements in Earth’s Crust.

Une image contenant Visage humain, personne, costume, habits

Description générée automatiquement

Driss MAZOUZI

Ph.D (2003) in Chemistry, specializing in Electrochemistry from the ESPCI-Université Paris VII-Denis Diderot (France). He began his career as a teacher-researcher at the University of Paris VII, then at the Grenoble School of Electrochemistry. Afterwards, he carried out several post-doctoral internships at the LRCS in Amiens, the IMN Nantes and INRIS in Quebec, Canada. In 2006, he was appointed as a teaching and research professor at the FPE-UMI (Meknes), and in 2012-present, at the FPT-USMBA (Taza-Fez). In 2014, he completed his HDR. Since 2023, scientific expert in CNRST.

He is the author and co-author of over 50 peer-reviewed scientific publications, 3 patents, and numerous oral and poster presentations at numerous national and international conferences.

His research initially focused on the grafting of self-assembled monolayers (SAMs) of silanes and thiols. He then proceeded to investigate electrochemical microscopy (SECM) and its diverse chemical and biochemical applications. Finally, he explored the use of electropolymerization in the fabrication of photovoltaic cells. Following this, his research efforts on the potential of using biomass products in treating water, and the de development of Lithium and Sodium batteries, with a particular focus on the carbon derived carbon and silicon for anode.



**Lahcen BIH**

**Affiliation :**

*Laboratoire des Sciences et Métiers de l’Ingénieur (LSMI), Département Matériaux et Procédés, ENSAM Meknès, Université Moulay Ismail, Meknès, Morocco*

**Etablissement :**

Ecole Nationale Supérieure des Arts et Métiers de Meknès, ENSAM-Meknès

**Université :**

Université Moulay Ismail

**Email:**

bihlahcen@yahoo.fr

**(Publications: 110 scopus; h-index 19 (Scopus), h-index 22 (G.S.), and h-index 20 (ResearchGate)**

Mr L. BIH is a Professor at Moulay Ismail University. He received his Doctorate in Solid State Chemistry in 1994 at the same University followed by a Ph.D. in 2001 in the field of Material Science and Solid State Chemistry on Glasses and Glass-ceramics based on Phosphates.

He has since been a Researcher at Moulay Ismail University and actually at the high School of engineering ENSAM-Meknès (since 2018). He has strong skills in Processing, Structural and Microstructural characterizations of materials by different spectroscopic and diffraction techniques such as X-Ray Diffraction, SEM, TEM, XPS, EXAFS, EPR, NMR, Raman and Infrared. He has also strong skills in Thermal properties, Electric and Dielectric properties, and Mechanical properties of alloys and ceramics. Mr. L. BIH has developed many materials for energy and environment: Oxide Materials for Water Splitting, Glasses for absorbing solar energy, Ionic Conductors as Electrolytes for Solid State Batteries, Mixed Ionic-Electronic as cathodes for batteries, Dielectric Materials for Electrostatic Energy Storage, and Materials for Water-waste treatment. He was the PI and/or member of many National and International projects.