

## **Prof. dr. Zineb Mekhalif**

Zineb Mekhalif was born in Sétif (Algeria) in 1966. She got her first higher education degrees from the University of Sétif. She moved to France in 1989 and obtained her PhD degree in 1994 from the University of Pierre & Marie Curie (Paris) in Electrochemistry in the research field of conducting polymers. She joined the University of Namur in 1995 for a post-doctoral research position in surface chemistry. She got a permanent position at the University of Namur in 1998 as Professor. She is currently the director of the Laboratory of Chemistry and Electrochemistry of surfaces (CES). Her research interests are the design and elaboration of surface and interfacial materials (thin and ultra-thin organic and inorganic films on metal, oxide and polymer substrates) by chemistry processes (electrochemistry, self-assembly, sol-gel film deposition). The goal is to obtain structured surface materials with new and/or improved properties resorting to the bottom-up approach, which depends on the control of processes and interactions at the molecular level. Main topics are: Molecular self-assembly on active metals, carbon nanotubes functionalisation for composites elaboration (polymers/CNTs, metal or metal oxides/CNTs), surface modification for biomaterials applications, electrodeposition in ionic liquids.

She published more than 170 papers and 6 patents, supervised 19 PhDs, 50 Masters and 16 Post-Docs.

### **Talk title:**

Electrochemistry and Surface Chemistry: a powerful combination for nanotechnology.

