



# PARINAZ SALEHI

Assistant Professor

Dental Research Center, Dental Research Institute,  
School of Dentistry, Isfahan University of Medical  
Sciences, Isfahan, IRAN

## INFORMATION

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## RESEARCH INTERESTS

Coatings  
Surface engineering  
Electrodeposition  
Wear  
Corrosion  
Electrochemical Impedance  
Spectroscopy  
Sealants  
Hydrogels

## SKILLS

Software skills  
Writing skills  
Research skills  
**Foreign languages:**  
English: Professional  
Italian: Average  
Arabic: Basic

## PUBLICATIONS

1. "Corrosion protection of superhydrophobic/amphiphobic cobalt coating with anti-icing and self-cleaning properties fabricated by a one-step electrodeposition method", *Journal of Alloys and Compounds*, 2023.
2. "Rapid one-step electrodeposition of robust superhydrophobic and oleophobic Ni coating with anti-corrosion and self-cleaning properties", *Surface and Coatings Technology*, 2022.
3. "Effects of surface morphology on erosion–corrosion and corrosion resistance of highly hydrophobic nickel-tungsten electrodeposited film", *Coatings*, 2021.

## EDUCATION

**PhD, Isfahan University of Technology- University of Messina (Italy)**  
2014 - 2019

"Fabrication of Hierarchical Nickel and Nickel-Tungsten Coatings and Evaluation of Their Properties and Durability"

**MSc, Isfahan University of Technology**

2009 - 2011

"Investigation of formation mechanism of Ti6Al4V/(Ti-B) nanocomposite and evaluation of its wear performance"

**BSc, Isfahan University of Technology**

2005 - 2009

"Development of Al-Cu intermetallic compounds on the surface of Al 1100 alloy by friction stir processing"

## WORK EXPERIENCE

**Rosefame Co.**

2019–2022

Senior researcher at "Research & Development" center of the company in the project of "Designing Corrosion Inhibiting Sealants for aeronautical industry".

**Pooyesh Language School**

2014–2018

English teacher

**Islamic Azad University of Najafabad**

2011–2014

lecturer

4. "Highly hydrophobic nickel and nickel-tungsten coatings: Microstructural and surface properties", *Applied Surface*, 2020.
5. "Dual Ni/Ni-Co electrodeposited coatings for improved erosion-corrosion behaviour", *Surface and Coatings Technology*, 2019.
6. "Erosion-corrosion behavior of highly hydrophobic hierarchical nickel coatings", *Colloids and Surfaces A*, 2018.
7. "Highly hydrophobic Ni-W electrodeposited film with hierarchical structure", *Surface and Coatings Technology*, 2018.
8. "Investigation of the effects of grain size and nano-sized reinforcements on tribological properties of Ti6Al4V alloy", *Wear*, 2013.