



# مرکز علوم و فنساورى نانو



Center for Nanoscience & Nanotechnology  
Sharif University of Technology

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## Education

### BSc.

University: Wasit

Major:

Thesis:

Supervisor:

### Msc.

University: Razi

Major:

Thesis: Synthesis of metal oxide thin films with introducing Zn element atoms by means of physical vapor deposition method

Supervisor: Prof. Dr. Rostam Moradian

### PhD

Thesis:

Supervisors:

## Research Experience:

- A...
- B...
- C....

## Publications:



- 1- Hamil, Muslim Idan, Khamael Ibrahim Abdulwahid, and Mundher AL-Shakban. "Improvement of Corrosion and Osseointegration Characteristics for Ti6Al4V Alloy by Coating with Polyetheretherketone (Peek) And Nanohydroxyapatite Using Electrophoretic Deposition for Biomedical Applications." *Journal of Nanostructures* 12, no. 4 (2022): 826-841.
- 2- Hamil, Muslim Idan, Mohammed K. Khalaf, and Mundher AL-Shakban. "A Study Corrosion Properties by Magnetron Sputtered Nanocrystalline Al<sub>2</sub>O<sub>3</sub> Thin Films." *Egyptian Journal of Chemistry* 65, no. 11 (2022): 413-419.
- 3- Khalaf, Mohammed Khammass, Ruaa Saleh, and Muslim Idan Hamil. "The Heat, Plasma, and Laser Treatments Characteristics of Hydroxyapatite Coatings." *Egyptian Journal of Chemistry* 65, no. 6 (2022): 1-2.
- 4- Khalaf, Mohammed K., Iman A. Mohammed Ali, Muhammed Jwair Dathaana, and Muslim Idan Hamil. "Effect of O<sub>2</sub>, N<sub>2</sub>, Ar, and Ar/O<sub>2</sub> Plasma Treatment on Optical Properties of Polyaniline Films." *Egyptian Journal of Chemistry* 64, no. 9 (2021): 5111-5115.
- 5- Hamil, Muslim Idan, Murtdha Adhab Siyah, and Mohammed K. Khalaf. "Electrophoretic deposition of Thin film TiO<sub>2</sub> on Ti6AL4V alloy surface for biomedical applications." *Egyptian Journal of Chemistry* 63, no. 8 (2020): 2959-2964.
- 6- Hamil, Muslim Idan, Mundher Al-Shakban, and Mohammed K. Khalaf. "Magnetron sputtered nanocrystalline TiN thin films and corrosion properties." *Periodico Tche Quimica (Online)* 17, no. 35 (2020): 164-173.
- 7- Manouchehri, Iraj, Saba Abdulzahra Obaid AlShiaa, Dariush Mehrparparvar, Moslim Idnan Hamil, and Rostam Moradian. "Optical properties of zinc doped NiO thin films deposited by RF magnetron sputtering." *Optik* 127, no. 20 (2016): 9400-9406.