Curriculum Vitae

NAME & SURNAME: Sayed Rouhollah Mousavi

DATE OF BIRTH: 11 Feb 1982

ADDRESS, SUBURB, STATE, POSTAL CODE: Department of Materials Science and Engineering, Faculty of Engineering, Shahid Chamran University of Ahvaz, Ahvaz, Iran, Postal code: 6135783151.

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PROFESSIONAL PROFILE:

Assistant Professor of Corrosion Engineering in Shahid Chamran University (SCU) of Ahvaz

EDUCATION BACKGROUND:

Ph.D.: Materials Engineering (2016), Shiraz University, Shiraz, Iran

Thesis Title:

"Electrodeposition of Ni-Mo/Al Composite Coating and Investigation of its Corrosion and Wear Properties"

M.Sc.: Corrosion Science and Engineering (2008), Isfahan University of Technology, Isfahan, Iran

Dissertation Title:

"Synthesis of Ni-Mo Nanostructure Coating by Electrodeposition and Investigation of its Electrocatalysis and Corrosion Resistance Properties"

B.S.: Metallurgy Engineering (2006), Shahid Chamran University of Ahvaz, Iran.

TEACHING AND TRAINING EXPERINCE:

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Graduate Level Courses:

- Advanced Corrosion
- Advanced Thermodynamic
- Anodic and Cathodic Protection
- Phase Transformation in Metals and Alloys

Under-Graduate Level Courses:

- Statics
- Principles of Metallography
- Industrial Drawing
- Metallography Laboratory

INTERESTS AND RESEARCH FIELDS:

- Corrosion Science
- Anodic and Cathodic Protection
- Electroplating
- Coating

RESEARCH ACTIVITIES:

PUBLICATIONS:

1. Mousavi, Rouhollah; Deflorian, Flavio; Bahrololoom, Mohammad Ebrahim; Morphology, hardness, and wear properties of Ni-base composite coating containing Al particle. Coatings, 10, 4,346, 2020.
2. Mousavi, Rouhollah; Bahrololoom, Mohammad Ebrahim; Deflorian, Flavio; The effect of surfactant on the microstructure and corrosion resistance of electrodeposited Ni-Mo alloy coatings. Anti-Corrosion Methods and Materials, 2019.
3. Hosseinzadeh, Majid; Jafari, Abdol Hamid; Mousavi, Rouhollah; Esmailzadeh, Mojtaba; Microstructure and corrosion resistance of Ni/Cr3C2-NiCr composite coating. Anti-Corrosion Methods and Materials, 2019.
4. Mousavi, R; Esmailzadeh, M; Bahrololoom, ME; Deflorian, F; Optimization of Ni–Mo/Al composite coating parameters using Taguchi method. Materials Research Express, 6, 5, 56534, 2019.
5. Mousavi, R; Bahrololoom, ME; Deflorian, F; Ecco, L; Improvement of corrosion resistance of NiMo alloy coatings: Effect of heat treatment Applied Surface Science, 364, 14-Sep, 2016.
6. Mousavi, R; Bahrololoom, ME; Deflorian, F; Preparation, corrosion, and wear resistance of Ni-Mo/Al composite coating reinforced with Al particles. Materials & Design, 110, 456-465, 2016.
7. Mousavi, R; Raeissi, K; Saatchi, A; The effect of pH on the properties of Ni-Mo nanocrystalline electrodeposits. International Journal of Modern Physics B, 2218n19, 3060-3068, 2008.

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CONFERENCE PRESENTATIONS:

1. Boostan-Afrooz, M; Mousavi, R; Evaluation of the inhibitory effect of different concentrations of cationic surfactant of cetyl-trimethylammonium bromide on the corrosion behavior of 17-4PH Stainless Steel, 1st international and 4th National Conference on Materials, Metallurgy, and Mine of Iran.
2. Mousavi, R; Optimization of electrodeposition of Ni-Mo alloy coating. 3th National Conference on Materials, Metallurgy, and Mine of Iran, February 2020 (Persian Date Bahman 1398), Ahvaz, Iran (Local Conference).
3. Beshkar, A; Mousavi, R; Investigation of corrosion behavior of a plain carbon steel in the rain water of Ahvaz city. 2th National Conference on Materials, Metallurgy, and Mine of Iran, January 2019 (Persian Date Day 1397), Ahvaz, Iran (Local Conference).
4. Mousavi, R; Bahrololoom, ME; Corrosion resistance of Ni-Mo alloy coatings deposited from a citrate bath containing anionic and cationic surfactants. 16th Iranian National Corrosion Congress, November 2015 (Persian Date Azar 1394), Tehran, Iran (Local conference).
5. Amra, M; Mousavi, R; Characterization of Co-W/AL2O3 Composite coatings. 1st national Seminar on Nonferrous Metals and Alloys, October 2013 (Persian Date Mehr 1392), Tabriz, Iran (Local Conference).
6. Khayat, M; Mousavi, R; Characterization of Ni-Mo nanostructured coatings. 13th national Seminar on Surface Engineering and Heat Treatment, May 2012 (Persian Date Ordibehesht 1391), Tabriz, Iran (Local Conference).
7. Mousavi, R; Raeissi, K; Saatchi, A; Investigation of the effects of Temperature and pH on the Mechanism of Deposition of Ni-Mo Alloy. Ninth National Seminar on Surface Engineering and Heat Treatment, May 2008 (Persian Date Ordibehesht 1387), Tehran, Iran (Local Conference).
8. Mousavi, R; Raeissi, K; Saatchi, A; Characterization of Ni-Mo nanostructured coatings. first conference of nanostructure technology at southern of iran, February 2007 (Persian Date Bahman 1385), Shiraz, Iran (Local Conference).

RESEARCH PROJECTS:

Evaluation of the earthing system considering the soil pollution and other effective factors in various zones of Ahvaz Distribution Company.

LANGUAGES:

PERSIAN: Native

ENGLISH: Intermediate