

Taher Rabizadeh



Personal Information:

Sex: Male

Date of Birth: August, 18, 1985

Place of Birth: Iran

Marital Status: married (no children)

Address: No. 16 Second Alley, second side street Golbad street, Behdari Boulevard, Sheikhtapeh, Orumiya, West azarbaijan, Iran

Phone: +98-441-3468200

Mobile: +98-938-1829643

E-mail: taher.rabizadeh@gmail.com ; t_rabizadeh_1@yahoo.com **ooVoo ID:** taher.rabizadeh

Education

● 2007-2010

University of Tehran

M.Sc. in Metallurgy and Materials Engineering

Thesis Title: *Application of electroless Ni-P composite coatings containing SiO₂*

Nano-particles and investigation the effects of surfactant

Supervisors: *Professor, Saeed Reza Allahkaram,*

Professor, Ramez Vaghar

Master's Final Thesis: 20/20 & GPA: 17.09/20

Note: *University of Tehran is the oldest, largest, and highly prestigious university of Iran*

● 2003 – 2007

Tabriz University

B.Sc. in Materials Engineering, Ceramic Engineering

Thesis Title: Pulse and direct current electrodeposition of Tin-Zinc alloy coatings

Supervisor: *Associate Professor. Shahin khameneh Asl*

Bachelor's Final Thesis: 17.5/20 & GPA: 14.76/20

● 1999 – 2003

High School Diploma Certificate in Mathematics and Physics,

Shahid Beheshti High School, one of the exceptional talents students' schools for gifted students in Iran. GPA: 18.84/20

Areas of Experience & Interest:

- Surface Science
- Electrochemistry
- Corrosion and protection Evaluation
- Electrochemical & Mechanical Behavior of Nano-Coatings
- Mineralogy
- Inhibitors
- Modern ceramics
- Thin Film

Publications

ISI Papers:

- **Taher Rabizadeh**, Saeed Reza Allahkaram, “Corrosion resistance enhancement of Ni–P electroless coatings by incorporation of nano-SiO₂ particles” *Materials and Design* 32 (2011) 133–138
- **Taher Rabizadeh**, Saeed Reza Allahkaram, Arman Zarebidaki, “An investigation on effects of heat treatment on corrosion properties of Ni–P electroless nano-coatings” *Materials and Design* 31 (2010) 3174–3179
- **T. Rabizadeh**, M. Yeganeh “Influence of TiC nanoparticles on microstructures and properties of electrodeposited Ni-P coatings” *Micro & Nano Letters*, 2011, Vol. 6, Iss. 9, pp. 790-793.
- S.R. Allahkaram, M. Zoughi, **T. Rabizadeh**. “Studying the influence of nano-Al₂O₃ particles on morphology and corrosion improvement of Ni–9%P electroless coatings” *Micro & Nano Letters*, 2010, Vol. 5, Iss. 5, pp. 262–265.
- Zarebidaki, S. R. Allahkaram, **T. Rabizadeh**, “Pretreatment Effect on the Properties of Electroless Nano - Crystalline Nickel Phosphorous Coating” *International research journal of Prog. Color Colorants Coat.* 3(2010), 47-57.
- S.R. Allahkaram, **T. Rabizadeh**, “High corrosion resistance of Ni-P/nano-SiO₂ composite coatings” *International Journal of Modern Physics*, Vol. 5 (2012) 810–816.
- S. R. Allahkaram, A. Zarebidaki, **T. Rabizadeh**, “Evaluation of electroless Ni-P and Ni-P nano composite coatings’ properties” *International Journal of Modern Physics*, Vol. 5 (2012) 817–824

- S.R. Allahkaram, S. Mamaghani, **T. Rabizadeh**, “An evaluation of Ni-P and Ni-P/nano-SiO₂ coatings on sweet corrosion of API-5L-X70 pipelines steels” International Journal of Modern Physics, Vol. 5 (2012) 825–832

Submitted ISI papers:

- An investigation the efficiency of mineral scale formation inhibitors in oilfield water injection system.
- “Effects of different plating modes on microstructure and corrosion resistance of Co coatings”
- Preparation and properties of Ni-P/nano-ZrO₂ composite coatings by electrodeposition method

Conferences Papers:

- **T. Rabizadeh**, S.R. Allahkaram, A.Zarebidak, “Influence of nano-particle concentrations on the microstructure, hardness and corrosion resistance of electroless Ni-P/nano-SiO₂ composite coatings” 2nd International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM), Tehran, Iran. 14-15 Nov. 2009.
- **T. Rabizadeh**, M.R.Saghi, Sh.Khameneh Asl, “Investigation of Tin-Zinc alloy properties prepared with pulse and direct current electrodeposition” 9th Iranian Seminar on Surface Engineering, Tehran, Iran, 19-21 May 2008.
- **T. Rabizadeh**, S. R. Allahkaram, A. Zarebidaki, “An Investigation on Effects of Incorporation of Nano-SiO₂ and Nano-SiC Particles on Electroless Nickel Base Coating Properties” 2nd International Conference on Automotive Paints & Coatings (ICAPC 2009), Nov. 16-18, 2009- Tehran-Iran
- **T. Rabizadeh**, S. R. Allahkaram, A. Zarebidaki, “An Investigation on Effects of Electroless Nickel-Phosphorous Coating and Heat Treatment on Corrosion Resistance of Carbon Steel” 2nd International Conference on Automotive Paints & Coatings (ICAPC 2009), Nov. 16-18, 2009- Tehran-Iran
- M. R. Saghi Beyragh, S. Norouzi , **T. Rabizadeh**, Sh. Khameneh Asl, “Electrochemical corrosion behavior of hard chromium coatings obtained by direct and pulse current” 9th Iranian Seminar on Surface Engineering, Tehran, Iran, 19-21 May 2008.
- S.R. Allahkaram, M.Zoughi, **T. Rabizadeh**, “Investigating corrosion behavior of Ni-P/nano-Al₂O₃ and nano-SiO₂ composite coatings exposed to 3.5%NaCl solution” 4th International conference on advanced computational engineering and experimenting (ACE-X 2010), Paris, France, 8-9 July, 2010.
- Zarebidaki, S. R. Allahkaram, **T. Rabizadeh**, “Effect of Pretreatment on the Properties of Electroless Nickel Phosphorous Coating” 2nd International Conference on Automotive Paints & Coatings (ICAPC 2009), Nov. 16-18, 2009- Tehran-Iran

- S. Mamaghani, S.R. Allahkaram, **T. Rabizadeh**, “An evaluation of Ni-P and Ni-P/nano-SiO₂ coatings on sweet corrosion of API-5L-X70 pipelines steels” 2nd International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM), Tehran, Iran. 14-15 Nov. 2009.
- Zarebidaki, S.R. Allahkaram, **T. Rabizadeh**, “Evaluation of electroless Ni-P and Ni-P nano-composite coatings’ properties” 2nd International Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM), Tehran, Iran. 14-15 Nov. 2009.

Honor & Awards:

- **1999**, Passed the competitive examination to enter National Organization for Development of Exceptional Talents (NODET) high school education which is the most competitive high school in Iran.
- **2002**, Ranked 5th out of 40 among all Graduates of High School.
- **2006**, Ranked 200th among more than 11,000 participants in the National University Entrance Exam for M.Sc. degree and admitted to the first ranked University of Iran & the second ranked university of Middle East.
- **2009**, Assigned score 20 out of 20 on the Master’s Thesis.
- Member of Iranian Corrosion Engineering Society.
- **4th and 5th January 2011** Attending in corrosion monitoring workshop held by Iranian Corrosion Engineering Society
- **February 2011** Attending in Cathodic protection assessment and troubleshooting and Cathodic protection design workshop held by Iranian Corrosion Engineering Society

University working experiences

- Working two Terms as “TA” for surface engineering course and Metallurgy and material science technical English Language course at Tehran University
- Having experience for two years in Corrosion and Surface engineering laboratory at Tehran University
- Operator of Electrochemical polarization and Electrochemical impedance spectroscopy of corrosion laboratory of Tehran University
- Managing of several coating projects at Tehran University’s laboratory.

Special Skills

- **Computer Proficiency:** Software (AutoCad, Basic Fortran. C++, Microsoft Office, Image Analyzer, Zview).
- **Art Skills:** Professional Skill in Playing Guitar.

- **Sport Skills:** Swimming

Languages

- Turkish (Native)
- Persian (Fluent)
- English (Having TOEFL score)

Referees

- **S.R.Allahkaram (My supervisor):** Professor , University of Tehran, Iran , E-mail: akaram@ut.ac.ir
- **M.Heydarzadeh Sohi:** Professor , University of Tehran, Iran,
E-mail: mhsohi@ut.ac.ir
- **S. Khameneh Asl (My supervisor):** Associate Professor, University of Tabriz, Iran
E-mail: Khameneh@tabrizu.ac.ir
- **Arman Zare bidaki:** Assistant professor, University of Yazd, Iran
E-mail: arman.zare@iauyazd.ac.ir
- **Javad Mola:**Assistant Professor, Graduate Institute of Ferrous Technology POSTECH
E-mail: javadmola@postech.ac.kr
- **Mahdi Yegane:** Researcher, University of Tehran
E-mail: myegane@ut.ac.ir