

Curriculum Vitae

Education

1. BSc/BA : Metallurgy, Corrosion, Sharif university of Technology, Iran, 1980
2. MS : Corrosion, Localised Corrosion, University of Manchester, England, 1987
3. PhD : Corrosion, Stress Corrosion Cracking, University of Manchester, England, 1990

Teaching Experience

- 1- Advanced Corrosion, MSc
- 2- Advanced Corrosion lab, MSc
- 3- High temperature corrosion , MSc
- 4- Cathodic and anodic Protection, MSc
- 5- Corrosion in industries , MSc
- 6- Corrosion Protection lab, MSc
- 7- Special topics in corrosion science, PhD
- 8- Microbial Corrosion, PhD

Books

- 1- T.Shahrabi , F.Ronasi , Hard chromium Plating , Jihad publication of Sharif university of technology, Iran

National Journals

- 1- T.Shahrabi , M.Aliofkhazraei , S.H.Hedayat mofidi , 'Review on the fundamental of cathodic protection of buried pipelines', Zang, Vol. 36, pp. 58-63
- 2- A.Salehrad, D.Badrkhani, T.shahrabi , 'Effects of different parameters on cathodic protection design of marine structures, ', Journal of rusting, Iranian Institute of Corrosion, pp.
- 3- M. G. Hosseini, M. R. Arshadi, T. Shahrabi, M. Ghorbani 2004, 'Synergistic influence of Benzoate ions on inhibition of corrosion of mild steel in 0.5M Sulphuric acid by benzotriazole', International Journal of engineering, , Vol. 3, No. 16, pp. 255-264
- 4- T. Shahrabi, B. Taki, K. Jafarzadeh 2005, 'Effect of Ti and Cd on electrochemical behaviour of Aluminium Sacrificial anodes', international Journal of Engineering Sciences, Vol. 4, No. 15, pp. 159-171
- 5- R.Shoja razavi , T.Shahrabi , R. Mozafarinia , 'Corrosion of chromate conversion coatings on aluminum alloys in electrical and electronic equipment ', Modares Technical and Engineering, Vol. 7, pp. 95-105
- 6- M. G. Hosseini, T. Shahrabi, R. J. Nichols 2006, 'Characterization of mercaptobenzimidazole adsorption on an Au (111) electrode', Iranian Journal of science & Technology, Transaction A , Vol. 1A, No. 29, pp. 49-62
- 7- A.Salehi , A.Zaghar , T.Shahrabi , 'The effect of substrate surface roughness on the tribological behaviour of hard chromium coating', International journal of engineerig sciences, Vol. 3, No. 17, pp. 111-121
- 8- H.Moharami , T.Shahrabi , H. Shourabi 2007, 'Optimization of cathodic protection on offshore structures', Esteghlal, Vol. 1, No. 26, pp. 49-63
- 9- T.Shahrabi , V.Baiegi , S.A.Lajevardi 2008, ' Prediction of Time to Failure in SCC of 304 stainless steel in aqueous chloride solution by Neural Network', Esteghlal, Vol. 1, No. 27, pp. 135-141
- 10- H.R.Jafarian , E.Saebnoori , A.R.Sabour , T.Shahrabi , M.Nili ahmadabadi , 'Electrochemical corrosion of oxidised Gamma titanium aluminide in Ringer s solution', Iranian journal of pharmaceutical sciences, Vol. 5, No. 1, pp. 45-48, 2009

International Journals

- 1- R. G. Kelly, J. Frost, T. Shahrabi, R. C. Newman , 'Brittle Fracture of an Au/Ag alloy induced by a Surface film', Metallurgical Transaction A ,Vol.22A ,pp531-541 ,1991
- 2- R. C. Newman, T. Shahrabi, Corrosion , ' Dezincification of Alpha-brass in crevices', Corrosion, Vol.1 ,No.49 ,pp60-62 ,1993
- 3- T. Shahrabi, R. C. Newman, K. Sieradzki, J. Electrochem , Stress Corrosion Cracking of alpha-brass without Cu Oxidation ,Journal of electrochemical society ,Vol.140 ,pp348-354 ,1994
- 4- R. C. Newman, T. Shahrabi , 'Effect of alloyed nitrogen or dissolved nitrate ions on the anodic behavior of austenitic stainless steel in hydrochloric acid , Corrosion Science ,Vol.8 ,No.27 ,pp827-838 ,1986
- 5- R. C. Newman, T. Shahrabi , 'Direct electrochemical measurement of dezincification including the effect of alloyed arsenic', Corrosion Science ,Vol.9 ,No.28 ,pp873-886 ,1987
- 6- T. Shahrabi, R. C. Newman , Dealloying and stress corrosion cracking of copper alloys in Cu(I) Solution', Materials Science Forum ,Vol.44&45 ,pp169-176 ,1989
- 7- R. C. Newman, T. Shahrabi , Film induced cleavage of Alpha-brass.', Scripta metallurgica ,Vol.23 ,pp71-74 ,1989
- 8- T.Shahrabi , H.Tavakoli , M.G.Hossaini , 'Corrosion inhibition of copper in sulphuric acid by some nitrogen heterocyclic compounds', Anti-corrosion Methods And Materials ,Vol.54 ,No.5 ,pp308-313 ,2003
- 9- M. G. Hosseini, M. R. Arshadi, T. Shahrabi, M. Ghorbani , ' Synergistic influence of Benzoate ions on inhibition of corrosion of mild steel in 0.5M Sulphuric acid by benzotriazole', International Journal of engineering, Vol.3 ,No.16 ,pp255-264 ,2003
- 10- K. Jafarzadeh, T. Shahrabi, S. M. M. Hadavi , 'The Sulphidation behaviour of hard chromium plated coatings on steel', Anti-Corrosion Methods and Materials ,Vol.51 ,No.2 ,pp130-135 ,2003
- 11- T. Shahrabi, B. Taki, K. Jafarzadeh , 'Effect of Ti and Cd on the electrochemical behaviour of aluminum sacrificial anodes', International Journal of Engineering Sciences ,Vol.4 ,No.15 ,pp159-171 ,2004
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- 13- M. Ebrahimi mehr, T. Shahrabi, M. G. Hosseini , ' Determination of Suitable Corrosion inhibitor formulation for a potable water supply', Anti-Corrosion Methods and Materials ,Vol.51 ,No.6 ,pp399-405 ,2004
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- 15- M.Ehteshamzadeh , T. shahrabi, M. G. Hosseini , 'Synergistic effect of 1-dodecanethiol upon inhibition of Schiff bases on carbon steel corrosion in sulphuric acid media. M. Ehteshamzadeh', Anti-Corrosion Methods and Materials, Vol.53 ,No.3 pp147-152 ,2005
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- 36- M.Sabouri, T.Shahrabi , M.G.Hossaini , 'Influence of tungstate ion dopants in corrosion protection behaviour of polyaniline coating on mild steel', *Materials and Corrosion* ,Vol.59 ,No.10 ,pp814-818 ,2008
- 37- M.Zamanzadeh , T.Shahrabi , E.Ahmadi gharacheh , M.Alioff khazraee , 'Neural networks prediction of different frequencies effects on calcareous deposits formation under pulse cathodic protection', *Russian journal of electrochemistry*,Vol.24 ,No.10 ,pp1113-1119 ,2008
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- 50- H.Hasannejad , T.Shahrabi , M.Alioff khazraee , 'Effect of acetic acid on microstructure and electrochemical properties of nano cerium oxide film coated on AA7020-T6 Aluminium alloy', *Rare Rare metals* , Vol.28 , NO.1 , pp98-101 , 2009

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- 11- T. Shahrabi, 1995, 'Effect of residual materials from production processes on corrosion of engineering parts', 2nd seminar on industrial and automotive radiators, pp.
- 12- M. Ehterami, T. shahrabi 1997, 'Corrosion of automotive radiators (Copper-brass type) in chloride and bromide based flux', the 5th national Iranian corrosion congress, sharif university of technology, pp.
- 13- A. Vali, T. shahrabi 1997, 'Corrosion of lead-tin soldering alloys in chloride based flux, ', the 5th national Iranian corrosion congress, sharif university of technology, pp.
- 14- K. Karimpour , F. Malek, T. Shahrabi 1997, 'Galvanic Corrosion studies in welded structural steels', the 5th national Iranian corrosion congress, sharif university of technology, pp.
- 15- M. Soltan Bayazidi, A. Sabour, T. Shahrabi 1998, 'Effect of nitride coating on tribological properties of stainless steels', 2nd metallurgical congress, sharif university of technology, pp.
- 16- S. Ahangarani, T. Shahrabi 1999, 'Corrosion of condenser tubes at steam power plants', the 6th national Iranian corrosion congress, Amirkabir university, pp.
- 17- M. Soltan bayazidi, A. Sabour, T. Shahrabi 1999, 'Nitrocarburizing of ferritic stainless steel', the 6th national Iranian corrosion congress, Amirkabir university, pp.
- 18- F. Alavi, T.Shahrabi 1999, 'Performance of Magnesium anodes', the 6th national Iranian corrosion congress, Amirkabir university, pp.
- 19- M. Rezaei, T. Shahrabi, S. Alahkaram 2000, 'Corrosion behaviour of 55% Al-Zn coating in marine atmosphere, ', 15th international congress on power system, Tehran power research centre, pp.
- 20- H. Hosaini, T. Shahrabi 2002, 'Effect of important parameters on stress corrosion cracking of Titanium weldments', the 7 th national Iranian corrosion congress, Ahwaz, pp.
- 21- B. Ahmadi, R. Saraff, T. Shahrabi, A. Ziazadeh 2003, ' Corrosion and physical durability of coloured concrete', 1 st Iranian Rock mechanics conference, Tarbiat Modares university, pp.

- 22- M. Ehteshamzadeh, T. shahrabi, M. G. Hosseini 2006, 'Corrosion inhibition mechanism of Schiff bases self-assembled monolayers on copper in chloride containing solutions', National corrosion congress, Isfahan, pp.
- 23- M. Ehteshamzadeh, T. Shahrabi, M. G. Hosseini 2006, 'Efficiency modification of SAMS Schiff base inhibition on copper at sulphuric acid media with alkanethioles', 9th National corrosion congress, Isfahan, pp.
- 24- M.G. Hosseini, M. Sabouri, T. Shahrabi 2006, 'Corrosion protection of mild steel by using polypyrrole and polypyrrole - based composite coatings', 9th National corrosion congress, Isfahan, pp.
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- 26- M. G. Hosseini, M. R. Arshadi, T. Shahrabi, R. J. Nichols 2004, 'Spectro - electrochemistry study of the adsorption of carboxylic acids on Au(III), ', 5th Biennial Seminar of Electrochemistry of Iran, Kerman, pp.
- 27- M. Ehteshamzadeh, T. shahrabi, M. G. Hosseini 2004, 'Study on the improvement of inhibition properties of alkanethiols on copper by new series of Schiff bases in chloride medium', 5th Biennial seminar of Electrochemistry of Iran, Kerman, pp.
- 28- M. G. Hosseini, T. Shahrabi, M. R. Arshadi 2004, 'The inhibition action of amino acids on corrosion of mild steel in sulphuric acid', 5th Biennial seminar of Electrochemistry of Iran, Kerman, pp.
- 29- M. Sabouri, T. shahrabi, M. G. Hosseini 2005, 'Using conductive polymers as corrosion - inhibiting coatings, ', 13th Iran's seminar of analytical chemistry, Mashhad, Iran, pp.
- 30- M. zamanzadeh, T. Shahrabi, A. Yazdian 2006, 'Effect of different parameters on characterization of Calcareous deposits by pulse current technique, ', 7th national congress on surface engineering, Isfahan, pp.
- 31- H.Hasannejad , T.Shahrabi , A.R.Sabour , M.Sobhani A.Shnaghi 1388, 'Effect of heat treatment temperature and surface prepration on microstructure and electrochemical properties of cerium oxide nano coating applied on aluminm alloy by sol-gel technique', The 9th seminar on surface engineering and heat treatment, Iran -Tehran , pp.
- 32- S.Ahangarani , A.R.Sabour , T.Shahrabi , F.Mahbobi 1388, 'Effect of different parameters of plasma nitriding on corrosion resistance of low alloy steel byconventional and active screen methods', The 9th seminar on surface engineering and heat treatment, Iran -Tehran , pp.
- 33- H.R.Jafarian , A.R.Sabour , T.Shahrabi , S.Mirzamohamadi 1388, 'Effect of temperature oe temperature of applying coating on micostructure of aluminide coating on aluminum -magnesium alloy', The 9th seminar on surface engineering and heat treatment, Iran -Tehran , pp.
- 34- H .Hasannejad , T.Shahrabi , A.R.Sabour , A.Shanaghi , M.Alioff khazraee 1387, 'Investigation of microstructure and electrochemical properties of conversion coatings of nanomcerium oxide on aluminium alloys', 11th annual conference of iranian metallurgicl

society, Iran , pp.

- 35- H.R.Jafarian , A.R.Sabour , T.Shahrabi , S.Ghaemi 1387, 'Effect of nickel coating on microstructure of aluminide coating formed on superalloy', 11th of annual conference of iranian metallurgical engineers society, Iran-Isfahan , pp.
- 36- A.Shanaghi , A.R.Sabour , T.Shahrabi , H.Hasannejad 1387, 'Application of nano titanium oxide coating on mild steel by sol-gel for improving the corrosion behaviour of steels in 3/5% NaCl solution', 11th annual conference of metallurgical engineers society, Iran -Isfahan , pp.
- 37- S.H.Hedaiat mofidi , M.Alioff khazraee , A.R.Sabour , T.Shahrabi 1387, 'Effect of hard chromium plating and pulsed plasma nitro carburising on tribiological behaviour of mild steel', 11th annual conference of iranian metallurgical engineers society , Iran-Isfahan , pp.
- 38- K.Jafarzadeh , T.Shahrabi M.Hadavi , M.G.hossaini 1387, 'Effect of cathodic polarisation on pitting corrosion behaviour of aluminium -magnesium alloy in sodium chlorid solution under flowing condition', Under sea technology, Iran -Tehran , pp.
- 39- H.Hasannejad , T.Shahrabi 1388, 'Microstructure of titanium oxide nano coating applied on mild steel by sol-gel method', The first pipelin conference, Iran -Tehran , pp.
- 40- A.Shanaghi , A.R.Sabour , T.Shahrabi 1388, 'Corrosion behaviour and nanostructure of nano coating of titanium oxide used as gas sensor', The first pipeline conference, Iran -Tehran , pp.
- 41- E.Saebnouri , T.Shahrabi , S.Sanjabi 1388, 'Extreemly high pitting resistance of NiTi shape memory alloy thin film in simulated body flluids', Iran s first international conference on biomaterials, Iran -Tehran , pp.
- 42- E Saeb nouri , H>R>Jafarian , A.R.Sabour , T.Shahrabi , M.Nili 1388, 'Electrochemical corrosion of oxidised gamma titanium aluminium in ringer s solution', Iran s first conference on biomaterials, Iran -Tehran , pp.
- 43- K.Jafarzadeh , T.Shahrabi , M .Hadavi , M, G, Hossaini 1387, 'Effect of oxigen and chlorid ion in cathodic polarisation of aluminium -magnesium alloy in sodium chloride solution ', The 8th seminar on surface engineering and heat treatment, Iran -Kerman , pp.
- 44- M.Salasi , T.Shahrabi , E.Roayaie , 'Behaviour and mechanism of frindly environment inhibitors in soft water distribution mild steel pipes', 10th congress of iranian metallurgical engineers, Iranian metallurgical engineers institute, Iran , pp.
- 45- M.Zamanzadeh , T.Shahrabi , A.Yazdian , M.Alioff khazraie , 'Optimization of conditions for fotmation of calcareous deposits on cathodically protected mild steel in seawater with Taguchi method', 10th congress of iranian metallurgical engineers, Iranian metallurgical engineers institute, Iran , pp.
- 46- M.Zamanzadeh , T.Shahrabi , A.Yazdian , M.Alioff khazraie , 'Effect of frequenci of pulse potential application on morphology and kinetiecs of calcareous deposits on cathodically protected mild steel in seawater', 10th congress of iranian metallurgical engineers, Iranian metallurgical engineers institute, Iran , pp.

- 47- K.Jaferzadeh , T.Shahrabi , S.M.Hadavi M.G.Hossaini , 'Investigation of the role of chloride ion and oxigen in electrochemical corrosion of aluminuim-magnesium in flowing sodium chloride solution', 10th congress of iranian metallurgical engineers, Iranian metallurgical engineers institute, Iran , pp.

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- 1- R.Labfaf , T.Shahrabi 2007, 'The influence of microstructure of low alloy steels on CO2 corrosion', Eurocorr, Eurocoor, Germany , pp.
- 2- M. Rezaei, T. shahrabi, 2001, ' An investigation on the corrosion behaviour of composite insulator's end fitting', Corrosion Asia , Singapore , pp.
- 3- M. G. Hosseini, H. Tavakoli, T. Shahrabi 2005, 'Synergism in copper corrosion inhibition by sodiumdodecyl benzenesulphonate and 2- mercaptobenzimidazole', Eurocorr , Nice, France, france , pp.
- 4- M. G. Hosseini, H. Tavakoli, T. shahrabi 2006, 'Corrosion inhibition of copper in sulphuric acid by some nitrogen Heterocyclic compounds', Eurocorr , Lisbon, Portugal, Portugal , pp.
- 5- T. Shahrabi, M. G. Hosseini, F. Evazzadeh, 2006, 'Sacrificial cathodic protection against crevice corrosion of austenitic stainless steels in seawater', Eurocorr Lisbon, Portugal , pp.
- 6- M. Ehteshamzadeh, T. Shahrabi, M. G. Hosseini 2006, 'Study on some Schiff bases as corrosion inhibitors of copper in NaCl and H2SO4 solutions and their improvement with alkanethiols', Eurocorr , Lisbon, Portugal , pp.
- 7- M. G. Hosseini, M. Sabouri, T. shahrabi 2006, ' Comparison between polyaniline - Phosphate and polypyrrole composite coatings for mild steel corrosion protection', Eurocorr , Lisbon, Portugal. , pp.
- 8- A. salehi, T. shahrabi, S. J. Bull 2007, 'The effect of nitrogen ion Implantation on the Mechanical and Tribological properties of chromium electroplated by different processes', The international conference on metallurgical coatings and thin films, Sandiego, California, USA , pp.
- 9- T.Shahrabi , L.Mossalaie , M.G.Hossaini 2006, 'Cathodic corrosion of AA5083aluminium alloy under stanant condition and rotational flow ', Eurocorr, Eurocorr2006, Holand , pp.
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- 11- M.Zamanzadeh , T.Shahrabi , M.G.Hossaini , A.Yazdian 2006, 'Characterization of calcareous deposits in artificial sea water by pulsed cathodic protection ', Eurocorr, Eurocorr, Holand , pp.
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- 13- K.Jaferzadeh , T.Shahrabi, M.G.Hossaini , M.Zamanzadeh 2007, 'EIS study on pitting corrosion of AA5083-H321 aluminium-magnesium alloys in standard 3.5% NaCl solution', Eurocorr, Eurocor, Germany , pp.
- 14- M.Sarlak , T.Shahrabi , M.Zamanzadeh 2007, 'Investigation of calcareous deposits formation on copper and 316L stainless steel under cathodic polarisation in artificial seawater ', Eurocorr, Eurocor, Germany , pp.
- 15- M.Zamanzadeh , T.Shahrabi , E.Ahmadi Gharacheh 2007, 'Neutral networks prediction of different frequencies effects on calcareous deposits formation under pulse cathodic protection', Eurocorr, Eurocor, Germany , pp.

Memberships in Societies

- 1- Member of executive and scientific committees of the second national corrosion congress - Tehran Faculty of engineering , 01/01/1992-
- 2- Organizer and head of executive and scientific committee of the first conference on industrial and automotive radiators-heavy industries ministry, 01/01/1994-
- 3- Organizer and head of executive and scientific committee of the second conference on industrial and automotive radiators - heavy industries ministry, 01/01/1995-
- 4- Member of executive and scientific committees of the 5th national Corrosion congress - sharif university of technology, 01/01/1998-
- 5- Member of executive and scientific committees of the 6th national corrosion congress - Amirkabir university , 01/01/2000-
- 6- Workshop on "cathodic protection of buried pipelines" in the 6th national corrosion congress - Amirkabir university, 01/01/2000-
- 7- Member of executive and scientific committees of the 7th national corrosion congress - Ahwas petroleum university, 01/01/2002-
- 8- Workshop on "Cathodic Protection Principles" in the 7th national corrosion congress - Ahwas Petroleum university , 01/01/2002-
- 9- Workshop on "Cathodic Protection Principles" in the 7th national corrosion congress - Ahwas Petroleum university , 01/01/2002-
- 10- Workshop on "Principles of Corrosion and Cathodic Protection" -Mahshahr , 01/01/2003-
- 11- Member of executive and Scientific Committees of the 8th national corrosion Congress- Tehran, 01/01/2004-
- 12- Workshop on "design of cathodic protection systems" in the 8th national corrosion congress-Tehran, 01/01/2004-

13- Member of Scientific Committee of the 9th national corrosion Congress, Isfahan, 01/01/2006-

M.Sc. Thesis Supervised

- 1- M. Ehterami , 'Corrosion of automotive radiators (copper-brass type), ', Guidance
- 2- S. Ahangarani, 'Corrosion of Condenser tubes at steam power plants', Guidance
- 3- A. vali, 'Corrosion of Tin-Lead alloys in chloride fluxes', Guidance
- 4- M. ghadrjani, 'New method for evaluation of scale inhibitors in aqueous environments', Guidance
- 5- A. tabesh, 'Corrosion of naphta reboiler of natural gas liquidification factory, ', Guidance
- 6- A. salehi, 'Corrosion failure and scaling of evaporator tubes in isfahan sugar factory', Guidance
- 7- M. Bidarbakht, 'Investigation of oil ash corrosion in boilers', Guidance
- 8- H. ocatisadegh, 'Determination of a proper corrosion inhibitor for cooling water system of khorasan petrochemical complex, ', Guidance
- 9- F. Alavi, 'Performance of Magensium sacrificial anodes', Guidance
- 10- k. Jafarzadeh, 'Sulphidation behaviour of hard chromium platings on steel', Guidance
- 11- M. Rezaei, 'An investigation of the corrosion behaviour of (55%Al-Zn) alloy coating on composite insulator's end-fitting', Guidance
- 12- S. alizadeh, 'Suitable inhibitors used for acid pickling of steel in sulphuric acid', Guidance
- 13- H. Hosseini, 'Investigation of SCC of welded Ti-6Al-4V alloy in aqueous chloride environment, ', Guidance
- 14- R. shoja Razavi, 'Corrosion evaluation of chemical conversion coatings on aluminum alloys in avionics equipment', Guidance
- 15- A. Ziazadeh, 'The effect of chloride on the corrosion behaviour of coloured concrete containing ceramic pigments', Guidance
- 16- B. Taki, ' Effect of Ti and Cd on the electrochemical Performance of aluminum sacrificial anodes', Guidance
- 17- M. Ataherian, 'Effect of sulphur on the corrosion behaviour of coloured concrete containing ceramic pigments', Guidance
- 18- F. Avazzadeh, 'Effects of cathodic protection on crevice corrosion in sea water, ', Guidance

- 19- A. yadi, 'Cathodic protection of carbon steel / stainless steel installations', Guidance
- 20- H. Tavakoli, 'Corrosion inhibition of nitrogen heterocyclic compounds and the synergistic effect of anionic surfactant on copper corrosion in acidic medium, ', Guidance
- 21- M. Sabouri, 'Organic Coatings Electropolymerization and improving of coating by incorporation of phosphate and Tungstate compounds', Guidance
- 22- V. Baiegi, 'Estimation of time to failure in stress corrosion cracking of 304 stainless steel in aqueous chloride solution using Artificial neural network', Guidance
- 23- L. Mosallai, ' Effect of flowing velocity on cathodic polarization of aluminium alloy 5083-H321 in artificial sea water', Guidance
- 24- M. Sarlak, 'Growth and properties of calcareous scale on Mild steel, Copper and 316L Stainless steel, ', Guidance
- 25- M. Salasi, 'Assessment of inhibition efficiency and mechanism of silicate inhibitors on mild steel corrosion in soft water', Guidance
- 26- M. Zamanzadeh, 'Characterization of calcareous deposits in artificial sea water by pulsed cathodic protection', Guidance
- 27- F. Ronasi, 'Hard chromium plating on aluminium', Adviser
- 28- A.Pakravanfar, 'Hard anodising of 7075 aluminium alloy at room temperature', Adviser
- 29- M.R. Saleh, 'Simulation of corrosion reactions kinetics', Adviser
- 30- A.Rasooli, 'Simulation of sulfidation kinetics', Adviser
- 31- A.Yazdzad, 'Corrosion inhibition action of acetylenic alcohols and hydroxycarboxilate anions on aluminum and evaluation of thier synergistic effects in chloride solutions', Adviser
- 32- S. Razavi, 'Stress corrosion cracking of gas pipeline in carbonate/bicarbonate environmente ', Adviser
- 33- P.Mohammadian, 'Hard anodizing of 7075 aluminium alloy for hardness of above 800 HV', Adviser
- 34- B. Saeidi, 'High temperature Oxidation behaviour of TBC/MCrAlY coatings', Adviser
- 35- S.Abbasnezhad, 'Electroplating of Fe-Ni and Co-Ni nanowires in the pores of anodizing of aluminium templates', Adviser
- 36- E.Saebnoori, 'Corrosion behaviour of NiTi shape memory alloy thin films', Guidance
- 37- H.Hasannejad, 'Investigation of corrosion resistance of aluminum alloys with nanocoating of cerium oxide by sol-gel method in 3.5% NaCl solution', Guidance
- 38- H.Mashadi Tafreshi, 'Investigation on neucleation and growth of calcareous deposits on aluminum alloys', Guidance
- 39- R.Labbaf, 'Investigation on the effects of microstructures of low alloy steels on CO2

corrosion in gas pipes', Guidance

- 40- A.Shanaghi, 'Corrosion behaviour of mild steel with nanocoating of titanium oxide by sol-gel', Adviser
- 41- A.Daneshmaslak, 'Structure and corrosion resistance of coatings on aluminum surface by plasma electrolytic oxidation', Adviser
- 42- M.Manavipour, ' Effects of electromagnetic fields on refining and descaling', Adviser
- 43- H. Jafarian, 'Oxidation and hot corrosion behaviour of aluminide coatings on gamma TiAl alloy', Adviser
- 44- S.H.Hedaiat mofidi, 'Characteristics of nanocrystalline compound layer of electroplated hard chromium coatings after pulsed plasma electrolytic nitrocarburizing', Adviser
- 45- S.A.Lajevardi, 'Comparative investigation on morphology and corrosion behavior of Ni-TiO₂ nanocomposite coating by direct and pulse current electrodeposition ', Guidance
- 46- M.Khoshhal , 'Simulation of the design and optimization of impressed current cathodic protection system on offshore structures', Guidance
- 47- R.Kiarasi, 'Corrosion behaviour of low alloy steel in CO₂ aqueous environment containing acetic acid', Guidance
- 48- A.Ghasemi, 'Corrosion protection of stainless steel 316L by nanocoating TiO₂-CeO₂ by sol-gel method', Guidance
- 49- S.Mirzamohamadi, 'Oxidation behaviour of intermetallic compound of titanium aluminide d', Adviser
- 50- S.Noroozi, 'Electrochemical deposition of nanocomposit coating of Ni-Co-Al₂O₃', Adviser
- 51- F.Malekmohamadi, 'Study of microstructure and corrosion resistance of mixed sol-gel silica -tiania nano structure coating on AISI 316L in 3.5% NaCl', Guidance
- 52- M.Bozorg, 'Using of non-toxic inhibitor based on amino-acid for controlling of steel corrosion in HCl', Guidance

Ph.D. Thesis Supervised

- 1- A. Salehi, 'Effect of nitrogen ion implantation on the tribological behaviour of hard chromium plating, ', Guidance
- 2- M. Ehteshamzadeh, 'Investigation on inhibition mechanism of organic inhibitors on copper and mild steel in acidic media and chloride containing environments, ', Guidance
- 3- K. Jafarzadeh, 'Effect of flowing velocity on corrosion and cathodic protection of aluminium alloy 5083-H321 in 3.5% NaCl Solution', Guidance

Professional Experiences

- 1- Assistant professor in Corrosion science, Tarbiat modarres university, Tehran, 01/01/1991 - 08/01/2005
- 2- Head of Materials engineering department in Tarbiat Modarres University, 01/01/1992 - 01/01/1995
- 3- Establisher and organizer of the corrosion and protection division in Tarbiat Modarres university, 01/01/1991-
- 4- Head of Corrosion and protection division in Tarbiat Modarres university, 01/01/1994 - 01/01/1998
- 5- Senior failure analyst in corrosion lab. In sharif university of Technology, 01/01/1981 - 01/01/1984
- 6- Senior research consultant in corrosion science, Iranian petroleum research centre, 01/01/1991 - 01/01/1992
- 7- Senior consultant in corrosion engineering, Iran radiator company, 01/01/1992 - 01/01/1997
- 8- Senior corrosion consultant, Iran petrochemical company, 01/01/1992 - 01/01/1993
- 9- Senior research consultant in corrosion science, Iranian power research centre, 01/01/1995 - 01/01/1998
- 10- Senior corrosion consultant, the port and shipping organization, 01/01/1995 - 01/01/1998
- 11- Establisher of corrosion and protection laboratory in Tarbiat modarres university, 01/01/1999-
- 12- Head of Materials engineering department in Tarbiat Modarres university, 01/01/2001 - 01/01/2003
- 13- -Head of Corrosion and protection division in Tarbiat Modares university, 01/01/2003 - 01/01/2005
- 14- Publishing "the cathodic protection standards for buried and immersed structures including concrete, 01/01/1999 - 01/01/2002
- 15- Head of corrosion and protection division in Tarbiat Modarres university, 01/01/2007 - 01/01/2009

Others

- 1- SHORT COURSES PERFORMED , One week course on "Corrosion in airplane industries and

its control" in Iran air company, June 1998. - Two day course on "Cathodic Protection in Power Plants" in Neka Power Plant, July 1998. - One day course on "Principles of Corrosion and Protection" in national Iranian oil company, Ahwaz, 1999. - One day course on "Cathodic Protection of Pipelines" in yazd power Plant, June 2002. - Two day course on "Cathodic Protection of Pipelines" Kazeroon Power plant, July 2002. - Four day course on "design of cathodic protection systems" in sugar industries, Ahwaz, 2002. - Two day Course on "design and installation of cathodic protection systems", kavosh Hamayesh, November 2002. - Two day Course on "Cathodic Protection of Marine Structures", in port and Shipping organization, December 2002. - two day course on, "design and installation of cathodic protection for buried pipeline" Tehran, September, 2005. - Two day course on "Stray current corrosion and its prevention" Tehran, November 2005. - Two day course on "cathodic protection of Marine Structures", Iranian corrosion society, October, 2005.

File :

- 2- RESEARCH STUDENTS COLLABORATED , . An investigation of hard anodizing on aluminium alloy AA7075 for hardnesses above 800HV, P.Mohamadian, MSc student, 1998. 2. Oxidation of MCrAlY coating by HVOF method, R. Rastgoo, MSc student, 1999. 3. Optimization of high temperature coatings on the basis of hot corrosion resistance, S.Pahlevanyali, PhD student, 2003. 4. Investigation on hot corrosion resistance of MCrAlY coating, N. Farajpoor, MSc student, 2002. 5. Optimization of cathodic protection design of offshore structures, H. Shoorabi, MSc student, 2003. 6. Development of thin film of TiAlBN by PACVD and investigation of different parameters on its performance, S. Ahangarani, PhD Student, 2005. 7. High temperature oxidation behaviour and thermal shock resistance of TBC/MCrAlY coatings, B. Saeedi, MSc student, 2005. 8. Electroplating of Fe-Ni and CO-Ni nanowires in the pores of anodizing aluminium template, S. Abbasnezhad, MSc Student, 2004.