1. PERSONAL INFORMATION:

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II.EDUCATIONAL RECORDS:

M.Sc Tehran University Mining Eng. 1987

Ph.D Leeds University Mineral Processing & Hydrometallurgy 1996

III.ACADEMIC EXPERIENCES:

Professor Tarbiat Modares University, Tehran, Iran, (Since 2008)

Associate Professor Tarbiat Modares University, Tehran, Iran, (Since 2004)

Assistant professor Shahrood University, Shahrood, Iran, (Since 1987)

IV.MEMBERSHIP OF SCIENTIFIC SOCIETIES:

Institute of Mining Engineering

V.REFEREE FOR JOURNAL ARTICLES SUBMITTED TO:

- 1. Journal of Facualty of Engineering, Tehran Univ.
- 2. Amir Kabir Journal
- 3. Second Congress in Metallurgy of non-ferrous metals
- 4. International Journal of Eng. Science

- 5. International of Mineral Processing Journal
- 6. Separation and purification Journal
- 7. Hydrometallurgy
- 8. Minerals Engineering

VI.RESARCH INTERESTS:

- 1. Flotation
- 2. Hydrometallurgical processes
- 3. Ore Characterization

VII.JOURNAL PAPERS [Author(s), Journal Name, Volume(Year) Page(s)]:

- 1. Abdollahy, M., Shafaei,S.Z.; Optimized Leaching Conditions for Selenium from Sar-Cheshmeh Copper Anode Slime, J. Chem.& Chem. Eng. Vol.24, 2004.
- 2. Jorjani, Es., Rezaei, B., Vosooghi, Osanloo, Abdollahy, M; Oxidation Pretreatment for enhancing desulfurization of coal with sodium butoxide. Mineral Eng. 17, 2004.
- 3. Abdollahy, M., Zarringhalam, A. Rami, Kh.; Desulpfurization of Mezino Coal Using Combination of Flotation and leaching with potassium Hydroxide /Methanol. J. of Fuel, 2005.
- 4. Abdollahy, M., Behnia, M.; The cationic Flotation of Oxidised zinc from Haft-Emarat Mine Plant Tailing J. of Modarres Technical and Eng. 2002.
- 5. Moghaddam, J., Sarrafemamoori, R., Yamini, I., Abdollahy, M.; Determination of optimum conditions for the leaching of nonsulfide zinc ores (high -SiO2) in ammonium carbonate media, Industerial & Engineering chemistry research J., 2005.
- 6. Moghaddam, J., Sarrafemamoori, R., Abdollahy, M., Yamini, I., Purification of zinc ammoniacal leaching solution by cementation: Determination of optimum process conditions with experimental design by Taguchi method, Separation & Purification Technology J., 2006.
- Khodadadi, A. Abdollahy, M., Teimoori, P., Cyanide removal from wastewater of Mutch gold processing plant by sodium and calcium hypochlorite solutions, Faculty of Engineering Journal, 1385.
- 8. Khodadadi, A. Abdollahy, M., Teimoori, P. Detoxification of cyanide in gold processing wastewater by hydrogen peroxide, Iranian Journal of Environmental Health, Science and engineering, 2005.

- 9. Abdollahy, M. Koleini, S.M.J., Keikhaei, M.R. Optimization of extraction conditions of Gallium from Bayer solution
- 1. Using Taguchi experimental design, Science and Separation Engineering Journal, 1388.
- 10. Abdollahy, M., Koleini S.M.J., Vafaeifard, M., The recovery of lead from leaching residue of zinc oxidized ores by hydrometallurgical method, Iranian Journal of Chemistry and Chemical Engineering. 1386.
- 11. Abdollahy, M., Kkodadadi, A., Hashemzadeh, M.; Optimization of Tellurium precipitation as Cu₂Te from Acidic Leaching Solution of Anode Slimes, Iranian Journal of Chemistry and Chemical Engineering. 1387.
- 12. Khodadadi, A. Teimoori, P., Abdollahy, M., Detoxification of cyanide in a gold processing plant tailings water using calcium and sodium hypochlorite, Mine water environ.J., 2008.
- 13. Abdollahy, M., Naderi H., liquid-liquid extraction of gallium from Jajarm Bayer process liquor using Kelex 100, Iranian J. Chem. & Chem Eng. 2007.
- 14. Koleini S.M.J., Jafarian, Abdollahy, M., Aghazadeh, Valeh, Gal vanic leaching of chalcopyrite in atmospheric pressure and sulfate media American chemical society, 2010.
- 15. Abdollahy, M., Javanshir, S, Abolghasemi, H, KHodadai, A, kinetics of Au (III) extraction by DBC from hydrochloric solution using International Journal of Mineral Processing, 2010.
- 16. Abdollahy, M., Mostofi, N, Koleini S.M.J., Manafi, Z, Naderi H., Kinetics of chemical leaching of chalcopyrite from low grade, International Journal of Minerals, Metallurgy and 2011
- 17. Abdollahy, M., Shojasadati, S.A, Zareh, H, Valivand, A, Bioleaching of low grade uranium ore of Saghand mine, Iraanian Journal of chemistry and chemical, 2011.

VIII.LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS

- 1. Abdollahy, M., N.M. Rice, Separation of barite from sar-cheshmeh copper anode slimes using stub-cyclone, Solid- Liquid Separation conference, U.K. 2002.
- 2. Abdollahy, M., Moradi S. Hejazi, F. New application of pine oil as an antifoam in acidic leaching of oxidized ores, Reagent 4, U.K., 2005.
- Jorjani, Es., Rezaei, B., Vosooghi, Osanloo, Abdollahy, M. The Characterization Studies of Tabas Coal Mines From Desulfurization Point of View, Internation Seminar on Minral Processing Technology – MPT, India, 2003.
- 4. Abdollahy, M., Koleini, S.M.J., Delavarian, M., Solvent extraction of tellurium from nitrate solution by TBP and analyzing the data with statistical taguchi method, World Mining Congress 20th, Iran, 2005.

- 5. Khodadadi, A. Abdollahy, M., Teimoori, P., Cyanide removal from wastewater of Mutch gold processing plant by hydrogen peroxide. World Mining Congress 20th, Iran 2005.
- 6. . Khodadadi, A., Teimoori, P. Abdollahy, M., Cyanide removal from the wastewater of a gold processing plant using calcium and sodium hypochlorite, Treatment of Gold Ores, International Symposium, Canada, 2005.
- 7. Abdollahy, M., Khodadadi, A. Karami, M. Optimization of roasted sphalerite concentrate leaching conditions to dissolve maximum amount of indium, International seminar on Mineral processing Technology MPT, India, 2007.
- 8. Saiadi, A.R., Abdollahzadeh, A., Abdollahy, M., Design an information system for mineral processing plants of Iran, International seminar on Mineral processing Technology MPT, India, 2007.
- 9. Abdollahy, M., Koleini, S.M.J., Keikhaei, M.R., Separation of gallium and aluminum from bayer solution by solvent extraction, XXIV International Mineral Processing Congress, China, 2008.
- 10. Abdollahy, M., Taheri, B., Khodadadi, A., Zeidabadi, S., Eslami; A.; Separation of molybdenum from copper sulfides concentrate with thioglycolic acid, 21st International mining congress of Turkey, 2009.
- 11. Abdollahy, M., Javanshir, S., The solvent extraction of HAu(Cl)₄ from Chloride solutions by diethylene glycol dibutyl ether(DBC), 21st International mining congress of Turkey, 2009.
- 12. Naderi, H, Abdollahy, M, Shoga Sadati, S.A, Manafi, Z, M Effect of ore mineralogy on the microbial leaching of low grade copper ore with moderate, 22 World Mining Congress & Expo Turkey, 2009.
- 13. Koleini, S.M.J., Tavakoli, M, Abdollahy,M, Dissolved nitrogen predispersed solvent extraction innovative method for improvement the performance of ,Iran 2010.
- 14. Koleini, S.M.J., Tavakoli, M, Abdollahy, M, Evaluation of the foaminess amount of various surfactants for obtain optimum extraction conditions in Iran 2010.
- 15. Koleini, S.M.J., Tavakoli, M, Abdollahy, M, Design and optimization Dissolved nitrogen predispersed solvent extraction method and comparison of, Iran 2010.
- 16. Koleini, S.M.J., Nazeri, M, M, Abdollahy, M, The influence of microwave on the leaching kinetic of zinc silicate ore in alkaline solution, Iran, 2010.
- 17. Abdollahy,M, Naderi, H, Chemical leaching of digenite and chalcocite from low grade copper ore at darehzar copper mine, International Mineral processing conference, Turkey,2010.
- 18., Abdollahy, M, Koleini, S.M.J., Kekhahi, M, Separation of gallium and aluminum from bayer solution by solvent extraction, XXIV International Mineral Processing Congress, 2010.

- 19. Abdollahy, M , Razmjoee, S, Koleini, S.M.J., The collectorless flotation of chalcopyrite in oxidizing and acidic conditions, 22World Mining Congress & Expo, Turkey, 2011.
- 20. Abdollahy, M, Mohseni, M, Koleini, S.M.J., The effect of shape properties on hydrophobicity of chalcopyrite particles, 22 World Mining Congress & Expo, Turkey, 2011.
- 21. Javanshir, S, Abdollahy, M, Abolghasemi, H, The effect of hydrodynamic parameter on gold extraction in laboratory mixer-settler, 22World Mining Congress & Expo, Turkey, 2011.

IX. SEARCH PROJECT LEADER:

- 1. An investigaion on the recovery of nickel and Cobalt from Tidar-Oghlid Mine, in Fars Province using different processes, 2002.
- 2. The Recovery of gold and silver from copper Anode Slimes using solvent extraction as a new method, 2003.
- 3. Design and manufacturing of column flotation cell on laboratory scale and analysis of results obtained, 2004.
- 4. Extraction of Selenium from Copper Anode Slimes of Sarcheshmeh Copper Complex using Hydrometallurgy Method, 2006.
- 5. Gallium production from sodium aluminate solution obtained from Bayer process in Jajarm alumina plant, 2006.
- 6. Reduction of iron oxides in dolomite used in steel industry, 2006.
- 7. Optimization of placery gold processing flowsheet, Case study: Koohzar mine in Damghan,2006.
- 8. Study of Tabas Robatkhan kaolan processing methods in order to reduce their iron oxides, organic compounds and potash, 2007.
- 9. Possibility of coal tailing processing of Alborz-Sharghi coal washing plant, 2007.
- 10. The proper Hydrometalorgical method for partial removing of barite and gold recovery from SAR-CHESHMEH copper anode slimes,2008.
- 11. Determining A Suitable Alternative for Sodium Sulfide to be Used in Molybdenum Enrichment Plant of Sarcheshmeh Copper Complex, 2008.

X.BOOK (Translated In Persian)

- 1. A Textbook of hydrometallurgy (Vol. 1,2)
- 2. Chemistry of Flotation
- 3. Manual on Laboratory Testing for Uranium Ore Processing

XI.RESEARCH STUDENTS SUPERVISED:

- 1. Ganji, S.M., An investigaion on the recovery of Cobalt from Tidar-Oghlid Mine, in Fars Province using different processes, 2000.
- 2. Behnia, M.; The investigation on the recovery of zinc oxidized ores of Haft- Emarat mine using flotation, 2001.
- 3. Kafiri, Gh.; The Recovery of gold from Sarcheshmeh copper Anode Slimes, 2001
- 4. Ghobadi, B.; The recovery of cobalt from electrolytic zinc filter cake produced in Isfahan zine smelting plant, 2001.
- 5. Shahsavari, Sh.; The leaching of the electrolytic zinc filter cake to extract their nickel and cadmium, 2001.
- 6. Khosravi, M.; An Investigation on leaching of preconcentration cobalt ores from Oghlid tidar mine in Fars Province, 2002.
- 7. Delavarian, M.; The recovery of tellurium from Sarcheshmeh copper anode slimes, 2002.
- 8. Ghasemi, S.; Iron removal from Robatkhan Tabas kaolin using hydrometallurgical method, 2002.
- 9. Rami, Kh; Desulphurization and Ash removing from Tabas coal mine, 2003.
- 10. Pagard, H.; Determination of kind and Amount of Reagents in column Flotation of Hematite in Chadormaloo mine, 2004.
- 11. Rahimi, M.; The phase identification of dolomite ore from iron removal point of view, 2004.
- 12. Vafaeifard, M.; The recovery of lead from the leaching residue of zinc oxidised ores, 2004.
- 13. Zamani KR. "Darreh Zanjir mine silicate-carbonate minerals characterization from leaching point of view", 2004.
- 14. Zakeri M. "Development of gold separation by gravity and magnetic units on kohzar mineral processing plant Damgan", 2004.
- 15. Hashemzadeh, M.; Decopperization of Sarcheshmeh copper anode slimes, 2004.
- 16. Naderi, H.; An investigation on beneficiation of Lakhshak antimony ore, 2005.
- 17. Abbaszadeh, M.; Improvements in the Gold Cementation Process at Agh Darreh, Takab. A Special Case Study, 2005.
- 18. Aram, R.; Recovery of coal from flotation tailings of Alborze Sharghi coal cleaning plant, 2005.
- 19. Serajian, S.; Determining the effective parameters on the recovery of molybdenite from Songoon copper concentrate, 2005.
- 20. Samiee, A.; An investigation on cyanide adsorption by activated carbon, zeolite and talc from wastewater of Aghdareh Takab gold processing plant, 2006.

- 21. Keikhaei, M.R.; Optimization of selective extraction conditions of Gallium from Bayer solution, 2006.
- 22. Javanshir, S.; Recovery of gold from leach solution of Sarcheshmeh copper anode slimes, 2006.
- 23. Zare Tavakoli, H.; Possibility of uranium bioleaching of Saghand mine, 2007.
- 24. Karami, M.; Investigation on indium recovery from zinc sulfide concentrate, 2007.
- 25. Ghaffari A. "Optimization of gold cyanide leaching process in order to increasing Ag and Hg recovery in Pouyazarkan Aghdareh plant ", 2007.
- 26. Taheri, B.; Determining A Suitable Alternative for Sodium Sulfide to be Used in Molybdenum Enrichment Plant of Sarcheshmeh Copper Complex, 2008.
- 27. Samadzadeh Yazdi, M.R.; An Investigation on Yb Extraction from Leach Solution of Central Iran Metasomatic Ores, 2009.
- 28. Dashti M. "Investigation of leaching method of zinc recovery from dust furnace", 2009.
- 29. Parian A., "Silver recovery from nitric leach solution of copper anodic slimes", 20xx.

XII.RESEARCH STUDENTS (M.Sc) CO-SUPERVISED

- 1. Sadeghi, M.; Design and calculation of Razi coal mine ventilation network, 2000.
- 2. Moradi S. "Investigation on zinc recovery from (0–2) mm tailing of Anguran flotation plant using Hydrometallurgical methods", 2000.
- 3. Valivand A. "Investigation on effective parameters on uranium column leaching using in heap leaching design on East Azarbayjan uranium mine (Dechan)", 2000.
- 4. Akbarzadeh, S.M.; Economic investigation of processing plant of Kooshk lead and zinc, 2001.
- 5. Azizafshari, F.; Reduction of phosphorous from final iron concentrate of Chadormaloo mine, 2002.
- 6. Javadian A. "Effective parameter on optimization of copper leaching from copper oxide ore Darreh Zereshk copper mine", 2003.
- 7. Taimouri, P.; Cyanide removal methods from wastewater of Mutch gold plant, 2004.
- 8. Asadi A. "Investigation on effective parameter on molibdenite column flotation from Sarcheshmeh mine", 2004
- 9. Nasrabadi M. "Investigation on Titanium processing methods", 2004.
- 10. Fathi M. "Major impurities removal from Masod abad Talc ore", 2007.
- 11. Faramarzi, M.; Iron removal from Chalchoogh silica mine ore by leaching, 2007.

- 12. Khormali R. " The iron removal from Jajarm bauxite ore by acid leaching in order to bauxite enrichment", 2008.
- 13. Tavakoli M. "Copper Recovery From Dilute Solution By New Dissolved Nitrogen Predispersed Solvent Extraction (DNPDSE) Method ", 2008.
- 14. Mehrpoya H. "Extraction of indium from zinc sulphide concentrate by hydrometallurgical method", 2008.
- 15. Ashtari P. "Nickel recovery from cake filter of zinc leaching plant by solvent extraction", 2008.
- 16. Hadipanah M. "An investigation of parameters effecting the performance of spirals at Zarand Coal Washing Plant", 2008.

XIII. RESEARCH STUDENTS (Ph.D) SUPERVISED

- 1. Naderi, Hojat; Investigation on Effects of Mineralogy and Particle's Size on Copper Dissolution Kinetics from Low Grade Sulfide Ore, 2011.
 - 2. Javanshir, Sepideh; The kinetics study of gold extraction by Di Butyl Carbitol in mixer-settler extractor, 2011.
 - 3. Taheri, Bijan; Controlled Potential Flotation of Copper Sulphide Minerals Using Sulphur Bearing Reagents, 2013.
 - 4. Samadzadeh yazdi, Mohammad Reza; An investigation on the mechanisms of copper sulfide concentrate bioleaching in the presence of chloride ion, 2014.
 - 5. Hemmati Chegeni, Mohsen; Modeling the effect of bubble loading on kinetic constant of mineral flotation, 2015.
 - 6. Soltani, Faraz; Investigation of the thermodynamic conditions effect on REEs leaching from a phosphate concentrate, 2017
 - 7. Mohseni, Mehdi; Prediction of the sphalerite mineral hydrophobicity by identifying its surface species, 2017
 - 8. Razmjooee, Sima; Model development for entrainment in a mechanical flotation cell, 2018
 - 9. Zare Tavakoli, Hassan; Investigation of effective factors to maximize the kinetics of uranium ore bioleaching in column bioreactor, 2017.

IV. RESEARCH STUDENTS (Ph.D) CO-SUPERVISED

- 1. Jorjani, Es.; The desulfurization of Tabas coal mine (C1 seam) with chemical or biological methods based on characterization studies, 2003.
- 2. Moghaddam, J.; Hydrometallurgical production of zinc oxide nano powder from Silicate-oxidized minerals, 2007.

V.COURSES TAUGHT:

- 1. 1.Flotation and Lab.
- 2. Advanced flotation,
- 3. Advanced ore dressing
- 4. Purification and Concentration of Leach Solutions
- 5. Advanced Hydrometallurgy
- 6. Chemistry of Hydrometallurgy