

I. PERSONAL INFORMATION:

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II. EDUCATIONAL RECORDS:

M.Sc Tehran University Mining Eng. 1987

Ph.D Leeds University Mineral Processing 1996 & Hydrometallurgy

III. ACADEMIC EXPERIENCES:

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

VI. RESEARCH 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.; Desulfurization 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, *Industrial & 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.
7. Khodadadi, A. Abdollahy, M., Teimoori, P., Cyanide removal from wastewater of Muteh 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 Cu_2Te 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.
3. 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 Muteh 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 $\text{HAu}(\text{Cl})_4$ from Chloride solutions by diethylene glycol dibutyl ether(DBC), 21st International mining congress of Turkey, 2009.
 12. Naderi, H, Abdollahy,M, ShogaSadati, 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,22World 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 investigation 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 Hydrometallurgical method for partial removing of barite and gold recovery from SAR-CHEHMEH 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 (In Persian)

1. A Textbook of hydrometallurgy (Vol. 1,2)
2. Chemistry of Flotation

XI. RESEARCH STUDENTS SUPERVISED:

1. Ganji, S.M., An investigation 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 zinc 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 Muteh 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 (DNPDSSE) 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) 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.

IV. COURSES TAUGHT:

1. 1. Flotation and Lab.
2. Advanced flotation,
3. Advanced ore dressing
4. Applied Hydrometallurgy,
5. Advanced Hydrometallurgy
6. Chemistry of Hydrometallurgy
7. Mine Ventilation,
8. Safty in Mine,