

Curriculum Vitae

Name: Ali Akbar Abdollahzadeh
Sex: male
Marital status: married, 2 children
Date of Birth: 08/03/1962

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Academic Degrees

Ph.D. in Geosciences (Mineral Processing) , INPL- France, 1997
DESS in Mineral Processing, INPL- France, 1994
M.Sc. in Mining Eng., Faculty of Engineering, University of Tehran, Iran, 1991
B.Sc. in Mining Eng., Faculty of Engineering, University of Tehran, Iran, 1988

Employment Experience

Assistant Professor of Mining Engineering Department, University of Kashan, Iran (2002- present)
Deputy of Research, Faculty of Eng., University of Kashan, (2006 – 2012)
Educational Advisor, Iran University of Industries and Mines, (2002 - 2008)
Academic member & Deputy of Education, Iran University of Industries and Mines, (1997 - 2002)

Taught Subjects

Mining and Mineral processing courses in mining eng. program (BSc & MSc degree)

Fields of Interest

Mineral Processing Systems,
Flotation,
Dewatering in mineral processing
Mass Balancing & Data Reconciliation

Research Activities

Dynamic simulation of flotation circuits (2013)
Beneficiation studies of Koohbanan oxide Pb Ore (2007)
Data reconciliation due to supervision of a CIL leaching circuit (2006)
Design an Information system for Mineral Processing Plants of Iran (2005)
Comprehensive plan on new mineral processing technologies (2001)
Beneficiation studies of Nehbandan Garnet Ore (2000)

Publications

1. M. H. Golpayegni, **A A Abdollahzadeh**
“Optimization of operating parameters and kinetics for chloride leaching of lead from melting furnace slag”, Transactions of Nonferrous Metals Society of China, Volume 27, Issue 12, pp 2704–2714, December 2017
2. E, Allahkarami, O. Salmani Nuri, **A A Abdollahzadeh**, B. Rezai, B. Maghsoudi
“Improving estimation accuracy of metallurgical performance of industrial flotation process by using hybrid genetic algorithm-artificial neural network”, Physicochemical Problems of Mineral Processing, 53(1), 366-378, 2017
3. O. Salmani Nuri, E, Allahkarami, M. Irannajad, **A A Abdollahzadeh**,

- "Estimation of selectivity index and separation efficiency of copper flotation process using ANN model", *Geosystem Engineering*, Taylor & Francis, vol. 20, no, 1, 41-50, 2017
4. F. S. Hoseinian, R. Shirani Faradonbeh, **A A Abdollahzadeh**, B. Rezai, S. Soltani Mohammadi
"Semi-autogenous mill power model development using gene expression programming", *Powder Technology*, Elsevier, xxx, xxx-xxx, 2016
 5. F. S. Hoseinian, **A A Abdollahzadeh**, S. Soltani Mohammadi, M. Hashemzadeh
"Recovery prediction of copper oxide ore column leaching by a hybrid neural genetic algorithm", *Transactions of Nonferrous Metals Society of China*, Elsevier, Accept for publishing, DOI: 10.1080/12269328.2016.1220334
 6. S. Mohammadi, B. Rezai, **A. Abdollahzadeh**, "Using geological information to predict processing performance via the new emerging geometallurgical studies", 34th national & 2nd international geosciences congress, Tehran, 23-24 Feb. 2016
 7. E. Allahkarami, O. Salmani Nuri, **A A Abdollahzadeh**, B. Rezai, M. Chegini
"Estimation of Cu & Mo grades and recoveries in the industrial flotation plant using the ANN", *Int. J. of nonferrous metallurgy*, Vol. 5, No. 3, 25-32, 2016
 8. M. Rahimi, B. Rezai, **A A Abdollahzadeh**, younesi
"Dynamic simulation of the pilot thickener operation phenomenological model with results validation for continuous and discontinuous tests", *J. of central south university*, Accept for publishing (30,june,2016)
 9. M. Rahimi, **A A Abdollahzadeh**, B. Rezai
"Dynamic simulation of tailing thickener at the tabas coal washing plant using the phenomenological model", *Int. J. of mineral processing*, 154, 2016
 10. M. Jafari, A. Abdollahzadeh, F. Aaghababaei,
"Copper Ion recovery from mine water by ion flotation", *Mine water & the Environment*, DOI:10.1007/s10230-016-0408-2, 2016
 11. M. Rahimi, B. Rezai, **A A Abdollahzadeh**
"Dynamic simulation of the effect of discharge rate variation on tailing thickener behavior of the coal washing plant", *Int. J. of Coal Preparation and Utilization*, Vol 36, issue 2, 2015
 12. A. Ahmadi, M. Khezri, **A A Abdollahzadeh**, Ascari
"Bioleaching of copper, nickel and cobalt from the low grade sulfidic tailing of Goleghar Iron Mine, Iran", *Hydrometallurgy*, Elsevier, 154, 1-8, 2015
 13. H. Kamran Hghighi, M. Rafie, D. Moradkhani, B. Sedaghat, **A. Abdollahzadeh**,
"Modeling on Transition of Heavy Metals from Ni-Cd Zinc Plant Residue Using Artificial Neural Network", *Trans. of the Indian Institute of Metals*, 68(5), Feb. 2015
 14. M. Rahimi, **A A Abdollahzadeh**, B. Rezai
"The effect of particle size,pH and flocculant dosage on the gel point, effective solid stress and thickener performance of coal washing plant", *Int. j. of Coal Preparation and Utilization*, 35, 125-142, 2015
 15. R. Ahmadi, **A. Abdollahzadeh**, Z. Pourkarimi, "Pilot plant studies on beneficiation of low-grade ferroginous manganese for production of ferromanganese", 32nd national & the 1st international geosciences congress, tehran, 16-19 Feb. 2014

16. M. Rahimi, **A A Abdollahzadeh**, B. Rezai
 "Observability study of the circuit variables in the dry tailing processing (DTP) of Golegohar iron processing plant using linear and bilinear methods", Arabian Journal for Science and Engineering, Volume 39, Issue 8, pp 5847-5859, August 2014
17. F. Nakhaei, M. Rahimi, **A. A. Abdollahzadeh** - M. Irannajad -J. Ezzat-abadi,
 "Determination of observable and non-observable variables in the Sulfur reduction processing (SRP) of Golegohar mineral processing plant using Bilinear method", Iron Steel Symposium 2013 , Iran (Islamic Republic of) , 19-20 Feb. 2013
18. D. Moradkhani, A. Agajanloo, B. Sedaghat, **A. Abdollahzadeh**, "Copper cementation with zinc powder from zinc sulfate solution", 22nd International mining congress and exhibition of Turkey, 11-13 May, 2011
19. A R Sayadi, **A A Abdollahzadeh**, M Abdollahi, " Design an Information system for Mineral Processing Plants of Iran", MPT-2007, IIT Bombay, 22- 24 Feb. 2007
20. **A. Abdollahzadeh**, H. Asgarzadeh, A. Pirastehfard, " Conceotion of measurement system by the choice of the sensor precision", IX Balkan Mineral Processing Congress, Istanbul, 11 – 13 Sep. 2001
21. D. Mandel, **A. Abdollahzadeh**, D. Maquin et J. Ragot
 "Data reconciliation by inequality balance equilibration. A LME approach", Int. Journal of Mineral Processing, 53, 157-169, 1998.
22. J. Ragot, D. Maquin et **A. Abdollahzadeh** , "Application du concepte LMI a la reconciliation de donnees par equilibrage de billan de type inegalite", CHIMIOMETRIE'97, Experiences et Modeles, Lyon, Dec. 1997
23. M. Oliazadeh and **A. Abdollahzadeh**
 "Beneficiation studies of Bama Oxidized Pb-Zn Ore", Int. Journal of Engineering, Vol. 10, 1997.
24. J. Ragot, D. Maquin et **A. Abdollahzadeh**
 "Reconciliation de donnees par equilibrage de billan de type inegalite – Application a des donnees granulometriques", Industrie Minerale, Les Techniques, pp. 62-66, Juin 1997
25. **A. Abdollahzadeh**, M. Luong, D. Maquin et J. Ragot, "Influence de la precision des capteurs sur la precision de l'etat d'un systeme – Application au choix de la precision des capteurs", Colloque national, Simulation, Optimisation et Commande de en Genie des procedes, SIMO'96, Toulouse, Oct. 1996
26. D. Mandel, **A. Abdollahzadeh**, D. Maquin, P. Auchet et J. Ragot, " Methodes pour la surveillance des reseaux de distribution d'eau potable", Journees du Comite d'Orientation de Recherche et de Formation (CORF), Centre International de l'Eau (NANCIE), Nancy, May 1996