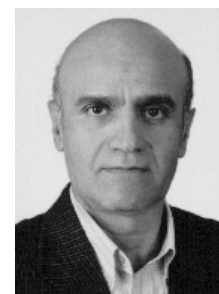


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Ph.D. in Mineral Processing, University of Nottingham, England (1997)

M.Sc. in Mineral Processing, University of Tehran, Islamic Republic of Iran (1985)

B.Sc. in Mining Engineering, University of Tehran, Islamic Republic of Iran (1980)

Technical fields of study	Comminution, Classification, Flotation, Solid liquid Separation
Research interests	Comminution, Classification, Flotation, Solid liquid Separation
Experiences	Head of Mining Engineering Group (6 years) Dean of the Faculty of Engineering (8 years)
Current research project	Correlating the pulp rheological characteristics with the performance of Sarcheshmeh ore flotation
Courses taught (undergraduate)	Mineral Processing, Flotation, Technical English
Courses taught (graduate)	Sampling in Mineral Processing (M.Sc.), Mineral processing plant design(M.Sc.), Flotation froth (Ph.D.), Froth Image analysis (Ph.D.)
Memberships	Society for Mining, Metallurgy, and Exploration, Inc. American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.
Advised thesis	Roya Pourkani, <i>An investigation into operational capacity range of molybdenum flotation plant with respect to feed grade at Sarcheshmeh</i> , Supervisor: Hassan Haji Amin Shirazi, (2015) Farzaneh Fard, <i>An investigation into synthesizing magnetite nanoparticles using co-precipitation at Gole-Gohar</i> , Supervisor: Hassan Haji Amin Shirazi, (2015) Sajad Sadri, <i>An investigation into the application of activated carbon and polyacrylic acid in the flotation of molybdenite in laboratory scale at Sarcheshmeh</i> , Supervisor: Hassan Haji Amin Shirazi, (2015) Medi Hosseini, <i>Improvement in cleaner flotation performance with regrinding different rougher cells concentrate in separate circuits in plant 1 at Sarcheshmeh Copper Complex</i> , Supervisor: Hassan Haji Amin Shirazi, (2015) Mohammad Reza Garmsiri, <i>Characterization of copper tailings suspension to improve dewatering efficiency in thickeners</i> , supervisor: Hassan Haji Amin Shirazi, (2014) Shiva Ayazi, <i>An investigation of the regrind circuit performance of the Sarcheshmeh</i>

	<p><i>concentration plant no. 1</i>, supervisor: Hassan Haji Amin Shirazi, (2013)</p> <p>Ahmad Hassan Zadeh, <i>Recovery improvement of locked particles in rougher flotation cells of the Sarcheshmeh concentration plant 1</i>, supervisor: Hassan Haji Amin Shirazi, (2012)</p> <p>Elahe Shariat, <i>Using batch settling test to assess dewaterability of particulate suspensions</i>, supervisor: Hassan Haji Amin Shirazi, (2012)</p> <p>Ebrahim Farhadi, <i>Investigation of the increasing initial grinding circuit capacity in Sarcheshmeh concentration plant 1 base on flotation performance</i>, supervisor: Hassan Haji Amin Shirazi, (2012)</p> <p>Samira Beyranvand, <i>An investigation into the possibility of gold and silver recovery improvement by using suitable reagents in the final product of the copper concentration plant at Sarcheshmeh Copper Complex</i>, supervisor: Hassan Haji Amin Shirazi, (2011)</p> <p>SeyedMajidHosseini, <i>The relationship between surface froth characteristics, process condition and floatation performance using froth image analysis</i>, supervisor: Hassan Haji Amin Shirazi, (2011)</p>
<p style="text-align: center;">Journal publications</p>	<p>Hosseini, M.R., Haji Amin Shirazi, H., Massinaei, M. and Mehrshad, N., 2015, "Modeling the relationship between froth bubble size and flotation performance using image analysis and neural networks", <i>Chemical Engineering Communications</i>, 202: pp. 911-919.</p> <p>Garmsiri, M.R., Haji Amin Shirazi, H., 2015, "An analysis of the influence of cylinder dimension ratio and lifting velocity on the slump test results", <i>Applied Rheology</i>, 25, 23416.</p> <p>Garmsiri, M.R. and Haji Amin Shirazi, H., 2014, "The effect of grain size on flocculant preparation", <i>Minerals Engineering</i>, Vol. 65, pp. 51-53.</p> <p>Garmsiri, M.R., Haji Amin Shirazi, H., 2014, The effect of properties of the suspension of copper processing tailings on shear yield stress and its significance to solids liquid separation, <i>Journal of Separation Science and Engineering</i> 5(2), 67-75.</p> <p>Garmsiri, M.R. and Haji Amin Shirazi, H., 2012, "A new approach to define batch settling curves for analyzing the sedimentation", <i>JME, Journal of Mining and Environment</i>, Vol. 3, No. 2, pp. 103-111.</p> <p>Qaredaq, M., Haji Amin Shirazi H., Abdollahi, H., 2012, "Comparison of Yianatos and traditional methods to determine kinetic rate constants of different size fractions in industrial rougher cells", <i>International Journal of Mineral Processing</i>, V. 106-109, pp. 65-69.</p> <p>Sarrafi, A., Rahmati, B., Hassani, H.R. and Haji Amin Shirazi, H., 2004, "Recovery of copper from reverberatory furnace slag by flotation", <i>Minerals Engineering</i>, Vol. 17, pp. 457-459.</p> <p>Saghatoleslam, N., Karimi, H., Rahimi, R. and Haji Amin Shirazi, H., 2004, "Modeling of texture and color froth characteristics for evaluation of flotation performance in Sarcheshmeh copper pilot plant using image analysis and neural networks", <i>IJE Transaction B: Applications</i>, Vol. 17, No. 2, pp. 121-130.</p>
<p style="text-align: center;">Conference proceedings</p>	<p>Garmsiri, M.R., Haji Amin Shirazi, H., Jookar, K. and Arabpour, A., 2012, "Effectiveness of variable factors affecting the efficiency of deep cone thickener", XXVI International Mineral Processing Congress, New Delhi, September 24-28, India.</p> <p>Poor ZaeifDoost, A., Haji Amin Shirazi, H., Shamsodini, R., Garmsiri, M.R., 2011, "An investigation into the regrinding circuit efficiency at Miuk Copper Complex", Fifth international conference on autogenous and semiautogenous grinding technology, Vancouver, BC, Canada.</p> <p>Qaredaq, M., Haji Amin Shirazi, H., and Bagherian, A., 2010, "Application of Yianatos method to determine kinetic rate constants of different size fractions in rougher cells of Sungun copper concentration plant", International Mining Congress & Exposition, 18-21 Oct. Tehran, Iran.</p> <p>Mirshamsi, M, Haji Amin Shirazi, H., Zeidabadi, S., Yarahmadi, M., 2010, "An investigation</p>

into the molybdenite recovery in plant No. 2 at Sarcheshmeh Copper Complex", International Mining Congress & Exposition, 18-21 Oct. Tehran, Iran.

Rezaei, A., **Haji Amin Shirazi, H.**, Rahimpour, G., Kargar-Dianati, M.R. and Atash-Panjeh, A., 2010, "Sampling optimization to reduce concentrating plant feed grade variation at Miduk Copper Complex, Iran, XIIth International Mineral Processing Symposium, 6-8 October, Nevsehir, Turkey.

Garmsiri, M.R. and **Haji Amin Shirazi, H.**, 2009, "An investigation into the effect of operational factors on tailings deep cones efficiency at Miduk copper complex", Proceedings of the Twelfth International Seminar on Paste and Thickened Tailings, 21- 24 April, Vina del Mar, Chile, pp.101- 108.

Garmsiri, M.R., **Haji Amin Shirazi, H.** and Yahyaei, M., 2009, "Introducing mathematical models to define settling curves in designing thickeners", Proceedings of the Twelfth International Seminar on Paste and Thickened Tailings, 21- 24 April, Vina del Mar, Chile, pp.129-136.

Rezaee- Rad, M., **Haji Amin Shirazi, H.**, Ebrahimi, R. and Zeidabadi, S., 2009, "Interaction of feed mass flow and feed grade in rougher scavenger flotation at the Miduk Cu complex", Proceedings of the VI International Mineral processing Seminar, 2- 4 December, Santiago chile, pp. 377-383.