

SYMPOSIUM TECHNICAL PROGRAM

ORAL SESSIONS

(Final Program)

TUESDAY / SALI		23 OCTOBER / EKİM 2018
Room A: Gaia I		Room B: Gaia II
08:30-11:00	Registration / Kayıt	
11:00-11:30	Opening Ceremony / Açılış Töreni Session Chair: Ali İhsan Arol, M. Ümit Atalay	
11:30-12:00	Pioneers in Machinery and Equipment Manufacturing for The Mineral Processing Industry in Turkey İrfan Bayraktar, Bülent Tüfekçioğlu, Kemal Can Yılmaz	
12:00-12:30	Opening of MinPro'18 Exhibition	
12:30 -	Lunch / Öğle Yemeği	
14:00-14:30	Keynote Lecture I: On the Management of Gangue Minerals in the Flotation of Platinum Group Minerals Cyril O'Connor, Jenny Wiese	
	A-1 Session Chair: K. Heiskanen, G. Özbayoğlu	B-1 Session Chair: G. Bulut, V. Bozkurt
14:30-14:45	Flotation Tests with New Depressants for Hematite Elenice Maria Schons Silva, André Carlos Silva	The Impacts of Fine Grinding Around Different Streams of Cement Grinding Circuit Okay Altun, Tolga Sert, Ergin Sarp Zencirci, Nurettin Alper Toprak, Hakan Benzer
14:45-15:00	Selective Flotation of Gold from Sulphides to Retreatment of Gold Leach Residues M.B.M. Monte, S.G.C. Nobre, T.F.M.B. Duque, P.A. Fenolon, A.V. Caldas, G.G. Oliveira-Junior	The Effect of Stirred Mill Orientation at Different Grinding Parameters Serkan Cayirli, Hasan Serkan Gokcen
15:00-15:15	Online Measurements of Material Flows: Cost Savings with Long-Term Stable Calibration Alexander Baryshnikov, Vitaliy Ovcharenko, Ivan Prevo	Magnetic Separation of Color Minerals from Malatya-Turkey Feldspar Ores Used Tree Technique İsmail Bentli, Muhammed Şener, Cumali Fırat, Tekin Karaağaç, İbrahim Harir, Mustafa Birinci
15:15-15:30	Apatite microflotation using Saccharomyces André C. Silva, Elenice Maria Schons Silva, Diego Valentim Crescente Cara, Lucas Martins Silva, Alex Malüe Machado & Geraldo Sadoyama Leal	Effects of Alkali Pretreatment Process for Improvement of Silver Recoveries from the Gossan Ore Emine Yoğurtcuoğlu, İbrahim Alp
15:30-15:45	Technical Presentation I : Benefits of HPGR for Heap Leaching Operations Joseph Dziedzina FLSmidth, USA	Mineralogical Characterization of the REE Ore from Isparta Canakli, Turkey in Terms of Process Design İlgin Kurşun, Mert Terzi, Emin Ciftci
15:45-16:15	Break/Ara	

	A-2 Session Chair: B. Klein, Ç. Hoşten	B-2 Session Chair: İ. Kurşun, N. Acarkan
16:15-16:30	Two-Stage Processing Of Refractory Gold-Bearing Sulfide Concentrate Aleksandr Bulaev, Sergey Polejaev, Aliya Bugubayeva, Anna Boduen	Preliminary Test on Au-Ag Leaching from Gossan Ore in aqueous alkaline glycine solutions Sadiye Kantarcı, Emine Yoğurtcuoğlu, İbrahim Alp
16:30-16:45	Bioleaching Of Valuable Components From Pyrometallurgical Copper Slags Plamen Georgiev, Marina Nicolova, Irena Spasova, Stoyan Groudev	Liberation Analysis Using a New Simulator of Random and non-Random Breakage Zeinab Sadat Mirzaei, Mohammad Reza Khalesi
16:45-17:00	Recovery of Silver from Sulphate Leach Solutions of WEEE E. Yilmaz, E.Y. Yazici, O. Celep & H. Deveci	Coagulation of Colemanite Particles under Flotation Conditions B. Tunç, O. Güven, İ.E. Karağaçlıoğlu, O. Özdemir, M.S. Çelik
17:00-17:15	Vibrating table gravity concentrator: A brief comparison with shaking table Özcan Y. Gülsoy, Ergin Gülcan	Evaluation of Hisarcık Boron Tailings of Eti Mine Works in the Ceramic Sector Kürşad Durmaz, Ahmet Aydın
17:15-17:30	Intelligent Techniques Based Modelling of Size Enlargement Process for Fine Materials: A Quick Survey Mohammad Nadeem, Haider Banka, R. Venugopal	Mechano-Activated Surface Modification with Fatty Acid in Planetary Ball Mill Ö.Y. Toraman, O. Ersoy, M. Uçurum, Ş.N. Sevmez
18:00	Welcome Cocktail	

WEDNESDAY / ÇARŞAMBA			24 OCTOBER / EKİM 2018
Room A: Gaia I		Room B: Gaia II	
09:00-09:30	Keynote Lecture II: Assessing Bulk Sortability for Large Copper Mines Bern Klein		
	A-3 Session Chair: C. O'Connor, G. Önal	B-3 Session Chair: H. Benzer, V. Arslan	
09:30-09:45	Optimal route for beneficiation of 1.5*0.25mm size fraction– a case study of Tatasteel West Bokaro Coal Washery Bhargav Dhavala , Bijay Tiwari, Suman Sit, D.P.Chakraborty, Ashok Kumar	Developments in Planning and Production Steps of Solution Mining in Beypazarı Trona Field Tuğçe Beşir, M. Sadık Kafadar	
09:45-10:00	Coal Mine Treatment Plant Improvement by Cycloning Maria Caterina Tilocca, Marco Surracco, Maria Teresa Pilloni	Investigation of Effects of Different Grinding Systems in Grinding of Quartz İlgin Kursun, Mert Terzi	
10:00-10:15	Removal of Copper Using Sodium Borohydride from Thiosulphate Leach Solutions Firat Ahlatci, Ersin Yener Yazici, Oktay Celep, Hacı Deveci	Extraction of Nickel and Cobalt from a Lateritic Nickel Ore in Nitric Acid Solution Shokrullah Hussaini, Erkan Gul, Muammer Kaya, Sait Kursunoglu, Zela Tanlega Ichlas	
10:15-10:30	Tecnical Presentation II: Efficient fine grinding technologies Mert Katkay, METSO	Determination of Washing Characteristics of Trakya Uzunköprü Coals and Performance Test of Existing Washing Plant Hayrünisa Ateşok, Refik Özgün Gökçeoğlu, Cahide Kenet, Onur Güven, Yusuf Enes Pural, Gündüz Ateşok	
10:30-11:00	Break/Ara		
11:00-11:30	Keynote Lecture III: The Application of Superconducting Magnetic Separator in Copper-Moly Separation Daokui Li, Jue Kou, Chunbao Sun, Baoqiang Yu		
	A-4 Session Chair: A. C. Silva, H. Ateşok	B-4 Session Chair: H. Deveci, A. Aydın	
11:30-11:45	Potential Estimation of Gangue Removal Constituents from an Iron Ore Through Washing A Case Study At Tata Steel Vishal Shukla, Neeraj kumar, Sharath Kumar Bhoja, Dr. C. Raghu Kumar, D. P. Chakraborty, Ashok Kumar	Obtaining Rutile from Feldspar Enrichment Plant Wastes Ö. S. Bölükbaşı, İ. U. Ermiş	
11:45-12:00	The Influence of Conditioning Environment Of Oxidized Pyrite On Its Hydrophobicity T. F. M. B. Duque & M. B. M. Monte, A. J. B. Dutra	Advantages of utilising dry jigging and X-ray sorting technology for coal beneficiation in Australia E. Oren, G. Van Wyk, K. S. Ashvani	
12:00-12:15	Liquid Holdup and Novel Flow Visualisation and Dispersion Studies Pertaining to Heap Leaching Hydrodynamics I. M. Saman K. Ilankoon, Stephen Neethling	Examination of Frother Blends on Pyrite Flotation Suzan Bayram, Ünzile Yenial, Gülay Bulut	
12:15-12:30	Improved Grinding Mill Operation Using Variable Speed Drives Bern Klein, Sijia Liu, Monong Huang, Olav Mejia, Fisher Wang, Tugba Cebeci	An Investigation of Bubble Coalescence using a Dynamic Method Can Gungoren, Elif Islek, Yasin Bakhtarhan, İlgin Kurşun Unver, Orhan Ozdemir	
12:30-12:45	Tecnical Presentation III: Best practices for scale and deposit control in heap leaching operation under severe scaling water chemistry condition Kevin Gottschalk, CHEMTREAT	Beneficiation of a Low-Grade Chrome Ore Mehmet Tanrıverdi, Tayfun Çiçek, Ümit Horasan, Ceren Uygun	

12:45-	Lunch/Öğle Yemeği	
13:30-14:00	HORIZON 2020 ERA-MIN-2: Research & Innovation Programme on Raw Materials to Foster Circular Economy	
14:00-14:30	Keynote Lecture IV: Flotation Plant Modelling And Control Kari Heiskanen	
14:30-17:30	Poster Session (Exhibition Hall)	
	A-5 Session Chair: A. Junqueira, N. E. Altun	B-5 Session Chair: M. Cambazoğlu, H. Kurama
14:30-14:45	Fine Iron Ore Beneficiation by Combine Microflotation Nickolaj Rulyov	Aqueous Metal Recovery from Waste Central Processing Unit (WCPU) Aysenur Tuncuk, Ata Akcil
14:45-15:00	The effect of intermittent liquid addition on liquid channelling in heap leaching system W. Ashane M. Fernando, I. M. Saman K. Ilankoon	Removal of Coal and Iron From Izmir Karaburun District Clay Hayrūnnisa Ateşok, Gündüz Ateşok, Ayhan Ali Sirkeci, Mustafa Özer, Zeynep Tarsus, Hüseyin Baştürkçü, Fahri Esenli,
15:00-15:15	Processing of Pyrophyllite Ore by Acid Leaching Method for Al₂O₃ production Murat Erdemoğlu, Turan Uysal & Mustafa Birinci, Thierno Saidou Barry	Boron Removal from ETI Mine Wastewater of Tailing Ponds Poyraz Yargıçoğlu, Zeynep Aktosun
15:15-15:30	Production of Organic Fertilizer From Humic Deposit (Gyttja) By Alkaline Leaching Cumali Fırat, İsmail Bentli, Aydan Aksoğan Korkmaz	Influence of Aqueous Iron on Electrocoagulation Process Mustafa Çırak
15:30-15:45	Influence of Mineralogy of Chrome Ores on their Enrichment Behaviours İlkay B. Can, Ş. Levent Ergün, N. Metin Can, Özgür Özcan, Ahad Aghlmandi	Electrokinetic Evaluation of the Effects of Acid Modification Processes on Natural Zeolites İlgin Kursun, Mert Terzi, Khandjants Batjargal, Orhan Ozdemir
15:45-16:15	Break/Ara	
	A-6 Session Chair: M. C. Tilocca, M. Erdemoğlu	B-6 Session Chair: M. Hicks, E. Y. Yazıcı
16:15-16:30	Unconventional phosphate sources in lake sediments around a phosphate deposit N.P. Dushyantha*, P.V.A. Hemalal, N.P. Ratnayake, C.L. Jayawardena, A.S. Ratnayake	Flotation of pyrites from process tailings Sena Sarılar, Yiğit Altınel, Orhan Yılmaz, N. Emre Altun, M. Ümit Atalay
16:30-16:45	Solvent Extraction of Nickel and Cobalt from a Multicomponent Synthetic Leach Solution Sait Kursunoglu	An Overview on Physical and Physico-Chemical Beneficiation Studies Conducted for Metal Recovery from PCBs Esra Tanısalı , Mustafa Özer, Fırat Burat
16:45-17:00	Advanced Rotary Kiln Modeling for Performance and Emissions Optimization H-S Shim, D Wang, K Davis, H Bilirgen	Effect of Grinding Time on Particle Shape in Barite/SDS Flotation System T. Türk, K.T. Perek, F. Karakaş, M.S. Çelik
17:00-17:15	Ore Characterization of High Nugget Effect Gold Ores Hamed Khaledi Sardashti, Sima Mohammadnejad, Mahmoud Abdollahy	Removing Sulphur from Seyitomer Coal With Low Temperature Coking and Magnetic Separation Ümit Horasan, Mustafa Çınar
17:15-17:45	TUBİTAK-ARDEB Tanıtım Sunumu	

THURSDAY / PERŞEMBE		25 OCTOBER / EKİM 2018	
Room A: Gaia I		Room B: Gaia II	
	A-7 Session Chair: K. Hossfeld, M. S. Çelik	B-7 Session Chair: M. Kaya, F. Arslan	
09:00-09:15	Fineness of the grind produced by mixtures of grinding media of different shapes KP Simba, N Hlabangana, D Hildebrandt	Effect of Surface Properties of Particles on Electrophoretic Deposition Yiğitalp Okumuş, Göktuğ Günkaya, Haldun Kurama	
09:15-09:30	Mineralogy and Beneficiation Studies of the Adiyaman High-Grade Copper Ore Deposit Matthew Hicks, Antti Mankinen, Annukka Aaltonen, Mehmet Canbazoglu, Erdem Özdemir	Mitigation of Acid Mine Drainage (AMD) Potential of Pyritic Tailings Using Sepiolite Waste F. Ahlatci, E. Yilmaz, E.Y. Yazici, O. Celep, H. Deveci	
09:30-09:45	Investigations on the Charge Motion and Breakage Effect of the Magnetic Liner Mill Using DEM Genzhuang Li, Chunbao Sun, Bern Klein, Reem Roufail, Amit Kumar, Lusheng Zho, Jue Kou	Increasing the Autoclave Leaching Efficiency of Gördes Lateritic Nickel-Cobalt Ore by Pre-Leaching Method Avni Faruk B. Değirmenci, Orhan Yılmaz	
09:45-10:00	Full Scale Systematic Steps for EPCM and Plant Optimization, Case Study: scoping, feasibility, bankable- feasibility to EPCM) Sabri Karahan, Yusuf Ziya Özkan, Mehmet Ali Akbaba, Mustafa, Okan Vural, Selim Yılmaz, Aylin Acar, Umutcan Gelişen, E.Tuğcan Tuzcu	Purification of Wastewater from Heavy Metals Using Natural Zeolite Şükrü Uçkun, Musa Sarıkaya, İrfan Timür, Tolga Depci	
10:00-10:15	Filtration of Coal Ultrafines with Modern High Speed Disc Filters Jurgen Hahn, Uli Herold		
10:15-10:45	Break/Ara		
	A-8 Session Chair: F. Meck, B. İ. Can	B-8 Session Chair: N. Rulyov, E. Yüce	
10:45-11:00	An Overview of Pre-treatment and Leaching Options for Gold Extraction from Refractory Copper-Gold Ores Hacı Deveci, Ersin Y. Yazici, Oktay Celep	Beneficiation of low grade chromite ores and process tailings via two-stage enrichment method Cemil Acar, Ali Akgün	
11:00-11:15	Centrifugal Gravity Concentration as a Novel Way for Extending Limits of Conventional Process Circuits Naci Emre Altun, Bern Klein	A comparison of Wet Jigging with Heavy Media Cyclone for a Plant in South East Asia E. Oren, K. S. Ashvani	
11:15-11:30	Noble Metals Recovery from Jewellery Waste by Leaching Merve Cansın Şafak, Hüseyin Baştürkcü, Mustafa Özer, Fırat Burat	Discussing the ball mill circuit design in cement production performance Ömürden Genç, A. Hakan Benzer	
11:30-11:45	Effects of Pulp Temperature on Flotation of a Complex Sulphide Ore Özlem Bıçak, Yasemin Öztürk, Elif Özdemir, Zafir Ekmekçi		
11:45-	Lunch/Öğle Yemeği		
14:00 -	Closing Ceremony		
20:00-	Gala Dinner		

POSTERS / POSTERLER

Synergistic Effect of CTAB/n-Octanol Mixture on Quartz Flotation Muhammed Fatih Can, Sevgi Karaca, Cengiz Karagüzel.
The Comparison of the Enrichability of the Antimony Ores with Different Minerological Characteristic by Using Shaking Table Cengiz Karagüzel, Ömer Cameren, Sevgi Karaca, Uğur Demir, Oktay Şahbaz.
Recovery of Metals from End-of-life Mobile Phones by Acidic Leaching F. Arslan, İ. E. Çuhadar, K. T. Perek, C. Arslan
Effect of Hydraulic Classified Fly Ash on Flowability and Strength of Mortar I. Acar, T. L. Robl, M. Ü. Atalay
The Effect of Kerosene/ Flocculant Mixture on Solid-Liquid Separation Müge Şahbaz, Sevgi Karaca, Oktay Şahbaz, Cengiz Karagüzel
Effects of Fatty Acid Amines on Selective Flotation of Na-Feldspar and Quartz Z. Üçerler, S. M. Beşiktaş, M. O. Kangal
Enrichment of Konya Inlice Epitermal Gold Ores by Flotation Ayşe N. Döğme, Ali Güney
Oxidative Desulfurization of High Sulfur Coal Uğur Demir, Ahmet Aydın
Image Analysis and Kubelka-Munk Formalism for Grade Estimation Felipe de Orquiza, José Aurélio Medeiros da Luz
Extraction of Thorium and Rare Earth Elements from Bastnaesite Ore by Sodium Hydroxide Leaching Tuğba Deniz Tombal, İlgin Kursun
Thermal Investigation of Some Potential Binders for Iron Ore Pelletizing Osman Sivrikaya, Ali İhsan Arol
The Effect of Blending Composition on Sinter Production and Quality Ö.S. Bölükbaşı
Characterization of a Kaolin from Djebel Debbagh Mine Fourier Transform Infrared Spectroscopy (FTIR) Mohammed Laraba, Abdelmalek Roula
Acid Agitation Leaching of Nevşehir-Avanos Region Uranium Ores Aybüke A. İsbir Turen, Erol Üçgül, Şevki Türüdü, Kamer Derin, Kemal Kapıcı
Contribution of Davis Tube Tests to Magnetite Ore Liberation Saruhan Saklar, Engin Terzi, Okan Zimitoğlu, Nihal Görmüş, Ashhan Sarı
Beneficiation of Kastamonu-Taşköprü Copper Ore by Flotation F. Şahin Kılavuz, K. Derin
Use of Solid Bowl Decanter as Mineral Concentration Device Muhammad R. Bawani, Ali İhsan Arol
Determination of the Technological Properties of İzmir Karaburun Region's Clay for Use in Ceramic Industry Hayrünisa Ateşok, Gündüz Ateşok, Ayhan Ali Sirkeci, Mustafa Özer, Hüseyin Baştürkçü, Zeynep Tarsus, Fahri Esenli
Flotation Behaviours of Wollastonite Ore Using Three Different Collectors Suna Elif Akçin, Gülay Bulut, Fırat Burat, Zeynep Yeşilyurt, Hüseyin Baştürkçü, Olgaç Kangal
Relation between sulfide minerals flotation and xanthate adsorption in the presence of calcium, magnesium, and sulfate ions Ünzile Yenial, Gülay Bulut
Recovery of additional values from post-HPAL precipitates of lateritic ores Janet Sine Şekerci, Orhan Yılmaz, Ruhsal Kangal, Hilal Seda Demirel
Investigation of the Evaluability of Espey Boron Tailings Belonging to Eti Mining Works in the Ceramic Sector Ahmet Aydın, Ömer Cameren, Abdullah Kutlu
Importance of Water Chemistry on Copper Flotation Ünzile Yenial, Mustafa Kadir Güner, Gülay Bulut
Interaction of Ionic Collectors with Feldspars and Their Influences on Flotation Recovery S. Özün, M.Ü. Atalay