

19	Review on Sustainable Development of China Alumina Industry	Wangxing Li Jianghong Yang Zhengzhou Research Institute of Chalco, Zhengzhou,China, 450041 E-mail: WX_Li@chalco.com.cn
20	New Meaning to the Word “Challenge” for an Alumina Refinery Developer	Dr. Sringeri Chandrashekar Dubai Aluminium Company Limited (Dubal), Dubai, U.A.E. E-mail: chandrashekar@dubal.ae
21	Aurukun Bauxite – A High Reactive Silica, Monohydrate Bauxite and Advantages and Disadvantages for Process Design and Operation.	Juerg Theodor Wehrli1) and Yuehua Jiang2) 1) Technical Director, HATCH Associates Ltd 2) Technical Manager, CHALCO, Australia Pty Ltd E-mail: yjiang@chalcoaustralia.com.au , JWehrli@hatch.com.au
22	Options for Processing of High Silica Bauxites	Peter Smith and Bingan Xu CSIRO Light Metals Flagship E-mail: Peter.Smith@csiro.au , Bingan.Xu@csiro.au
23	An Optimum Approach to Processing Medium and Low Grade Bauxite Effectively and Economically	<i>Xinqin Liao, Laishi Li</i> Shenyang Aluminum & Magnesium Engineering & Research Institute, 184 Heping North Street, Shenyang 110001, China
24	New Flocculants for Improved Processing of High Silica Bauxites	Matthew Davis and Qi Dai Cytec Industries Inc., 1937 West Main Street, Stamford, CT 06904, USA E-mail: Matthew.Davis@cytec.com Qi.Dai@cytec.com
25	Effect of Solvent Ion on red-mud Flocculation of Bayer Process	Cao wen-zhong ¹ , Zhong-hong ² , Tian wei-wei ¹ (Environmental Engineering College of Nanchang University, Nanchang, Jiangxi 330031, China ; 2, College of Chemistry and Chemical Engineering ,Central South University, Changsha Hunan,China 410083)
26	Impact of Different Additions on the Green Liquor Desilication	A. Suss , I. Paromova, N. Kuznetzova, A.Panov, A. Damaskin, I. Lukyanov

		JSC RUSAL VAMI, St. Petersburg, Russia E-mail: Aleksandr.Suss@rusal.com Andrey.Panov@rusal.com
27	Upflow Design Versus Downflow Design for Digestion Flash Train	Tran QK Hatch Associates Ltd, Perth E-mail: ktran@hatch.com.au
28	Influence of Impurities on the Content of Silica in Bayer Digested Liquor	Yang Qiaofang Zhao Qingjie Qi Lijuan Zhengzhou Research Institute of CHALCO
29	Inhibiting Vishnevite Scale Formation in Chinese Refineries with the Second Generation of MAX HT® Technology	Qi Dai, John Carr, Frank Kula Cytec Industries Inc. 1937 West Main Street, Stamford, CT USA 06904 E-mail: Qi.Dai@cytec.com
30	Several Technical Methods of Restraining the Preheating Surface of Diasporic Bauxite Slurry from Scaling	Yin Zhonglin Zhengzhou Research Institute of CHALCO, Zhengzhou, Henan 450041, China E-mail: yzlin123@263.net
31	Recent Advances in Bauxite Residue Settling and Washing In the Bayer Process of Alumina Production	Harish Chandwani and Dr. Nivedita Panda Anrak Aluminium Ltd. Plot No. 705, Banjara Hills Road No.3, Hyderabad 500016 (India) and Hindustan Dorr Oliver Ltd., Dorr Oliver House, Chakala, Andheri (East), Mumbai 400 052 (India) Email: hchandwani@anrakaluminium.in nivedita@hdo.in
32	Study on Influence of Diaspore A/S Ratio in Different Alumina Production Process	Zhang Baiyong and Liao Xinqin (Shenyang Aluminium and Magnesium Engineering and Research Institute, Shenyang, Liaoning Province, 110001
33	Yield Improvement by Optimisation and Online Control of A/C of Aluminate Liquor in Digestion Unit While Feeding Various Sources Of Bauxite	Bimalananda Senapati, C. Satish Kumar and Tonmoy Banerjee Vedanta Aluminum Ltd., Lanjigarh, Kalahandi Dist., Orissa-766 027, India Email: Bimalananda.Senapati@vedanta.co.in
34	Improvement in Capacity of High Rate Decanter Through	Bimalananda Senapati, C. Satish Kumar and Tonmoy Banerjee

	Process Modifications	Vedanta Aluminum Ltd., Lanjigarh, Kalahandi Dist., Orissa-766 027, India Email: Bimalananda.Senapati@vedanta.co.in
35	Color Quality Improvement of Hydrate at ETI	Ahmet Yiğit¹, Bekir Çelikel¹, Serkan Ertuğrul¹, Gökhan Kürşat Demir¹, Meral Baygül¹, David R Chinloy², Derrick Ingram², Carlos E Suarez³ ¹ETİ ALÜMİNYUM AŞ, Atatürk Street 42370 Seydişehir, Konya, Turkey ²Hatch, Sheridan Science & Technology Park, 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7 Canada ³Hatch Associates Consultans Inc, 1600 West Carson Street, Pittsburgh, PA 15219 USA E-mail: ahmet.yigit@etialuminyum.com bekir.celikel@etialuminyum.com
36	Influence of Agglomeration Parameters on the Agglomeration Process of Seeded Precipitation	LIU Zhan-wei ^{1,2}, LI Wang-xing ^{1,2}, CHEN Wen-mi ¹ ¹School of Metallurgical Science and Engineering, Central South University, Changsha 410083, China; ²Zhengzhou Research Institute of Aluminum Corporation of China Limited, Zhengzhou 450041, China
37	Barriquand Interstage Precipitation Coolers - Last Developments for Trouble Free Operations	Daniel Martin, Export Manager. Barriquand Technologies Thermiques S.A. E-mail: export@barriquand.com
38	Most Modern Design of Pan Filters - Optimisation of Operation and Maintenance	Dr.-Ing. Reinhard Bott, Dr.-Ing. Thomas Langeloh, Dipl.-Ing. Jürgen Hahn BOKELA GmbH, 76131 Karlsruhe, Germany E-mail : rbott@bokela.com
39	Alumina Recovery and Cash Flow 4 modes of operation and their economic and environmental impact	M. Brouwer M.Brouwer@AlcorTechnology.com, Alcor Technology BV, The Netherlands
40	Development of System Optimization Software of Bayer Process	Dong Hong-jun Guangxi Branch of Chalco, Pingguo Guangxi 531400
41	Some Insights into Gaining Value From	*D. Seth and **S.C. Sharma

	Process Models in Alumina Refining	<p>*Equinox Software & Services Pvt Ltd, Pune, India</p> <p>**Mesh Process Simulation Pty Ltd, Perth, Australia</p> <p>E-mail: SharadChandraSharma@gmail.com</p>
42	Adsorption of Sodium Polyacrylate on the Interface of Di-calcium Silicate – Sodium Aluminum Solution	<p>Yu Haiyan, Ding Tingting</p> <p>(Alumina Group of Institute of Nonferrous Metallurgy, Northeastern University, Shenyang, 110004)</p>
43	Hydrogen Production in Bayer Process Digestion	<p>Allan Costine, Mark Schibeci, Joanne Loh, Greg Power and Robbie McDonald.</p> <p>CSIRO Light Metals National Research Flagship (CSIRO Process Science and Engineering)/ Parker Centre CRC for Hydrometallurgy, 7 Conlon Street, Waterford WA 6152, Australia</p> <p>E-mail: Allan.Costine@csiro.au</p>
44	Research on Local Flow Velocities and Solids Concentration Fluctuation in Suspension Vessels, Using Different Impeller Systems	<p>Detlef Klatt,</p> <p>STC-Engineering</p> <p>E-mail: info@stc-engineering.de d.klatt@stc-engineering.de</p>
45	Advanced Alumina Refinery Residue Utilisation: Conversion Methods, Material Blending, and Industrial Know-How and Applications	<p>Lee Fergusson and Daniel Blair</p> <p>Virotec Global Solutions, Australia</p> <p>Email: lfergusson@virotec.com</p>
46	Bauxite Residue and Disposal Database (BRADD) – an Online Database Resource for Bauxites, Residue and Disposal Management	<p>Markus Gräfe, Craig Klauber, Dave Pang and Peter Smith</p> <p>Light Metals Flagship, CSIRO Process Science and Engineering</p> <p>PO Box 7229, Karawara WA 6152, AUSTRALIA</p> <p>Email: Peter.Smith@csiro.au</p>
47	Bauxite, Red Mud and Tailing Dewatering by Hi-Bar Filtration	<p>Dr.-Ing. Reinhard Bott , Dr.-Ing. Thomas Langeloh, Dipl.-Ing. Jürgen Hahn</p> <p>BOKELA GmbH, 76131 Karlsruhe, Germany</p> <p>E-mail: rbott@bokela.com</p>

48	De-Watering, Disposal and Utilization of Red Mud: State of the Art and Emerging Technologies	<p>György Bánvölgyi* and Tran Minh Huan**, * Senior Process Consultant, Bán-Völgy Bt, Budapest, Hungary **Former General Director, Ministry of Industry, Hanoi, Vietnam E-mail: gbanvolgyi@yahoo.com huanhtqt@vnn.vn</p>
49	Case Studies in Greece for the Valorization of Bayer's Process Bauxiteresidue: Aggregates, Ceramics, Glass-Ceramics, Cement and Catalysis	<p>Y. Pontikes¹, D. Boufounos², B. Blanpain¹, G.N. Angelopoulos³ 1Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven, 3001 Leuven, Belgium, 2Aluminium of Greece, Agios Nikolaos, Paralia Distomou, 32003 Viotia, Greece and 3Laboratory of Materials and Metallurgy, Dept. of Chemical Engineering, University of Patras, 26500 Rio, Greece E-mail: pontikes@gmail.com</p>
50	Iron, Alumina and Sodium Recovery from Bayer Red Mud	<p>Wanchao Liu^{1, 2, *}, Sharif Jahanshahi², Jiakuan Yang¹, Ling Zhang² 1: School of Environmental Science and Engineering, Huazhong University of Science and Technology (HUST), 1037 Luoyu Road, Wuhan, Hubei, 430074, P.R.China 2: CSIRO Minerals Down Under National Research Flagship, Box 312, Clayton South, VIC 3169, Australia E-mail: Wanchao.Liu@csiro.au</p>
51	Heavy Clay Ceramics with Bayer's Process Bauxite Residue: From Laboratory to Industrial Scale	<p>Y. Pontikes¹, D. Boufounos², B. Blanpain¹, G.N. Angelopoulos³ 1Department of Metallurgy and Materials Engineering, Katholieke Universiteit Leuven, 3001 Leuven, Belgium, 2Aluminium of Greece, Agios Nikolaos, Paralia Distomou, 32003 Viotia, Greece and 3Laboratory of Materials and Metallurgy, Dept. of Chemical Engineering, University of Patras, 26500 Rio, Greece</p>

		E-mail: pontikes@gmail.com
52	Complex nepheline ores processing. Assessment of commercial implementation of the process in China and North Korea	N.N.Tikhonov, I.V. Davydov , S.A.Vinogradov JSC RUSAL VAMI, St. Petersburg, Russia E-mail: Ioan.Davydov@rusal.com
53	Design and Operation of Disc Filters in Alumina Refineries	<u>Bott, R.; Langeloh, Th; Hahn, J.</u> BOKELA GmbH, 76131 Karlsruhe, Germany
54	Gibbsite Crystallization during Precipitation Process	P K Pandey, Pranjali Joshi and Chetan Shah Innovation & Knowledge Centre, Ashapura Minechem Limited, Jeevan Udyog Building, III Floor, 278 DN Road, Fort, Mumbai 400 001, INDIA E-mail: prashantp@ashapura.com
55	SUSTAINABLE/ENERGY EFFICIENT PROCESSING OF LOW GRADE BAUXITE ORES: TRENDS, OPPORTUNITIES AND CHALLENGES	K. Sarveswara Rao Scientist (Retd.) Institute of Minerals & Materials Technology (CSIR) Bhubaneswar 751 013, Orissa, India
56	Treatment and Utilization of Red Mud in China	Wanchao Liu, Xiaoshen Zhang, Jiakuan Yang* School of Environmental Science and Engineering, Huazhong University of Science and Technology (HUST), 1037 Luoyu Road, Wuhan, Hubei, 430074, P.R.China Email: yjiakuan@hotmail.com
57	TECHNOLOGICAL SOLUTION FOR PROCESSING RED MUD INTO BRICKS	By Dr. Dewanand Mahadew, Soham Management Consultants, The Netherlands
58	Immobilisation of Impurities During Thermo-chemical Leaching for Extraction of Alumina from NALCO Red Mud by Lime Soda Ash Sinter Process	S.N.Meher, Dr A.K.Rout, Dr B.K.Padhi KIIT University, National Aluminium Company Limited, R&D Department, Damanjodi, INDIA. E-mail: shibnarayanmeher@gmail.com
59	Development of an Innovative Process for Extraction of Alumina From Partially	Dr. B.K. Satpathy, and Nikolaev I.V., Vorobiyev I.B., Alenchikov

	Lateritised Khondalite	NALCO, India and N.O., MISIS, Russia E-mail: bsatpathy@nalcoindia.co.in
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