

UNIVERSITY OF BELGRADE
TECHNICAL FACULTY IN BOR
CHAMBER OF COMMERCE AND
INDUSTRY OF SERBIA



**XIII International
MINERAL PROCESSING and
RECYCLING CONFERENCE**

**FINAL
PROGRAMME**

Belgrade, Serbia, 8 – 10 May 2019



UNIVERSITY OF BELGRADE
TECHNICAL FACULTY IN BOR



PRIVREDNA
KOMORA
SRBIJE

CHAMBER OF COMMERCE
AND INDUSTRY OF SERBIA

XIII INTERNATIONAL MINERAL PROCESSING and RECYCLING CONFERENCE



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Conference is financially supported
by Republic of Serbia,
Ministry of Education, Science and
Technological Development

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B.Sc. Katarina Balanović (Serbia)
Sandra Vasković, English language teacher (Serbia)
Dobrinka Trujić (Serbia)

WELCOMING ADDRESS

The Organizing Committee welcomes you to the XIII International Mineral Processing and Recycling Conference and wishes you nice stay in Belgrade, Serbia and useful participation to Conference activities.

President of the Organizing Committee
Prof. Dr Grozdanka Bogdanović

LANGUAGE

The official languages of the Conference will be English.

PRESENTATION

The Conference will be organized through plenary lecture and section lectures, as well as oral presentations and posters, as follows:

- Plenary Lecture (30 + 5 min)
- Section lecture (15 + 5 min)
- Oral presentations (10 + 5 min)
- Poster presentation on space of 70 cm x 100 cm will be available.

For oral presentation, personal computer and LCD Projector will be at author's disposal.

PUBLISHING

Selected papers presented at the Conference can be submitted in an extended form in:

JOURNAL OF MINING AND METALLURGY, SECTION A: MINING

(<http://www.jmma.tfbor.bg.ac.rs>)

JOURNAL "RECYCLING AND SUSTAINABLE DEVELOPMENT"

(<http://www.rsd.tfbor.bg.ac.rs>)

REGISTRATION FEE

The Conference fee is 150 EUR. It includes admission to the Conference sessions, Conference Proceedings and the accompanying materials, welcome cocktail, Conference dinner and refreshments during the Conference.

The Conference fee for the accompanying person is 100 EUR. It includes all the items specified for the participants except the Conference Proceedings and materials.

The Conference fee for the student (PhD, graduates) is 75EUR. It includes all the item specified for the participants except the Conference dinner.

The Conference fee should be paid through the following bank account:
For domestic participants (in dinars payments):

Technical faculty in Bor

Account No: 840-1478666-37, with reference to 129.

For foreign participants payment in Euros is to be made according to the following instructions (for Euro payments):

SWIFT MESSAGE MT103 FOR MAKING PAYMENT IN EUR:
FIELD 32A: VALUE DATE-CURRENCY-AMOUNT

FIELD 50K: ORDERING CUSTOMER
FIELD 56A: DEUTDEFFXXX
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FIELD 59: /RS3584000000009279051
(BENEFICIARY) TEHNICAL FACULTY IN BOR
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BOR, SERBIA

FIELD 70: Details of payments (Registration fee for IMPRC 2019, paper number, name and surname)

ACCOMODATION

Accommodation for the participants will be provided at:
MARK HOTEL BELGRADE, RESAVSKA 29, BELGRADE

Please contact the Hotel directly:

phone: +381 11 334 51 22

mobile: +381 65 334 50 14

official website: <http://markhotelbelgrade.com>

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EXIBITIONS

An exhibition will be held during the Conference, which will be a good opportunity for the companies operating in the fields related to the Conference topics to introduce their products and services to a wider public. It will be open throughout the Conference.

Exhibition fee of 350 EUR for one delegate includes exhibition booth, possibility to hand out the participants of the Conference brochures, catalogs or other promotional materials, proceedings and other materials, welcoming cocktail, refreshments during the breaks and Conference dinner. Additional fee for other delegates is 100 EUR per person.

TIME AND VENUE

The XIII IMPRC will be held in Belgrade (Chamber of Commerce and Industry of Serbia, 13-15 Resavska Street), Serbia, from 08-10 May 2019. Belgrade, Serbia.

The Conference office will be open on:

08th May 2019 from 15:00 to 17:00

09th May 2019 from 8:00 to 18:00

10th May 2019 from 8:00 to 13:00

INFORMATION

Professor Dr Grozdanka Bogdanović
President of the Organizing Committee
Technical Faculty in Bor - University of Belgrade

Tel: + 381 30 424 555, Fax: + 381 30 421 749

imprc@tfbor.bg.ac.rs and gbogdanovic@tfbor.bg.ac.rs

GENERAL PROGRAMME

Wednesday, 8th May 2019

- 15:00 – 17:00 – Registration of participants at information desk
at the Chamber of Commerce and Industry of Serbia
- 17:00 – 18:30 – Belgrade Sightseeing tour - Belgrade Walks

Thursday, 9th May 2019

- 08:00 – 18:00 – Conference desk working hours / Registration of participants
- 10:00 – 10:30 – Opening Ceremony XIII IMPRC (hall A)
- 10:30 – 11:30 – Plenary lectures (hall A)
- 11:30 – 12:00 – Sponsor Presentation
- 12:00 – 12:30 – Welcome Cocktail
- 12:30 – 14:00 – Session I (hall B)
- 14:00 – 15:00 – Lunch
- 15:00 – 16:30 – Session II (hall B)
- 16:30 – 17:00 – Coffee break
- 17:00 – 18:00 – Poster section (hall A)
- 20:00 – 23:00 – Conference dinner (Restaurant "Caruso")

Friday, 10th May 2019

- 08:30 – 13:00 – Conference desk working hours
- 09:00 – 11:00 – Session III (hall C)
- 11:00 – 11:30 – Coffee break
- 11:30 – 13:00 – Poster section (Hall A) (hall C)
- 13:00 – 13:30 – Closing of the Conference (hall C)
- 14:30 – 16:00 – Optional Program: Belgrade City Sight-Seeing
or Visiting The Museum Nikola Tesla

PROGRAMME

OPENING CEREMONY XIII IMPRC

Thursday, 9th May 2019, 10:00 -10:30 (Hall A)

PLENARY LECTURES

Thursday, 9th May 2019, 10:30 -11:30 (Hall A)

Chairmen: Milan Trumić, Grozdanka Bogdanović, Miroslav Ignjatović

1. Antonio Gutierrez Merma, Mauricio Leonardo Torem, Ronald Rojas Hacha, Brazil

MINERAL BIOFLOTATION: A SHORT REVIEW OF MY RESEARCH GROUP EXPERIENCE

2. Željko Kamberović, SERBIA

RECYCLING OF THE CRITICAL RAW MATERIALS FROM WASTE ELECTRONICS

SPONSOR PRESENTATION

Thursday, 9th May 2019, 11:30 – 12:00 (Hall A)

12:00 –12:30 – WELCOME COCTAIL

SESSION I

Thursday, 9th May 2019, 12:30-14:00 (Hall B)

Chairmen: Ljubiša Andrić, Mauricio Leonardo Torem

I-1. Piyush Khatri, Puneet Choudhary, Brahma Deo, Parimal Malakar, Sourav Saran Bose, Gyanranjan Pothal, Partha Chattopadhyaya, India

DETERMINATION OF SURFACE MOISTURE AND PARTICLE SIZE DISTRIBUTION OF COAL USING ON-LINE IMAGE PROCESSING

I-2. Kucuk Mehmet Emin, Kinnarinen Teemu, Hakkinen Antti, Finland

CHARACTERIZATION OF MINING AND PULP INDUSTRY SIDE STREAMS: PARTICLE CHARACTERISTICS AND CHEMICAL COMPOSITIONS

I-3. Farookh Sekh, Vineet Kumar, India

A CASE STUDY OF HEAVY MEDIA CYCLONE EFFICIENCY IMPROVEMENT AT TATA STEEL WEST BOKARO - A NOVEL APPROACH

I-4. Valery V. Morozov, Ganbaatar Zorigt, Delgerbat Lodoy, Y.P. Morozov, Russia, Mongolia

IMPROVEMENT OF OPTICAL METHODS ANALYSIS OF ORE GRADE AT OPTIMIZATION OF MINERAL PROCESSING PROCESSES

I-5. Nikolay Simonski, Georgy Bozhilov, Stoyko Peev, Stilian Minkin, Elisaveta Valova, Bulgaria

DUNDEE PRECIOUS METALS CHELOPECH - INNOVATIVE SOLUTIONS FOR EFFICIENT PRODUCTION IN HARMONY WITH NATURE

I-6. Lyubomir Ilchev, Nadezhda Davcheva-Ilcheva, Bulgaria

SUSTAINABLE ORE RESOURCE BASE AND CIRCULAR ECONOMY

I-7. Farookh Sekh, Vineet Kumar, India

STUDY OF THE EFFECT OF NEW GENERATION DEWATERING AID CHEMICAL TO IMPROVED DEWATERING KINETICS AND REDUCTION IN COAL CAKE MOISTURE OF FINES COAL

I-8. Taissa Felisberto Rosado, Ronald Rojas Hacha, Mauricio Leonardo Torem, Antonio Gutierrez Merma, Brazil

UTILIZATION OF HYDROGEN BUBBLES IN ELECTROFLOTATION OF FINES OF IRON ORE TAILINGS USING A BIOSURFACTANT

I-9. Andreza Rafaela Morais Pereira, Ronald Rojas Hacha, Antonio Gutierrez Merma, Mauricio Leonardo Torem, Brazil

RECOVERY OF HEMATITE FROM IRON ORE TAILING USING A BIOSURFACTANT FROM THE RHODOCOCCUS OPACUS STRAIN AS A COLLECTOR

I-10. Ivan Milojković, Zorana Naunović, Novak Pušara, Sreten Beatović, Serbia, Bosnia and Herzegovina

SOLID WASTE MANAGEMENT IN THE GACKO MINE AND THERMAL POWER PLANT

I-11. Markus Wilke, Laura Carbone, Marija Bakrac, Germany, Serbia

GEOSYNTHETICS IN SLUDGE DEWATERING AND SLUDGE LAGOON COVERS

14:00 – 15:00 – Lunch

SESSION II

Thursday, 9th May 2019, 15:00 – 16:30 – Session II (Hall B)

Chairmen: **Jovica Sokolović, Cyril Bourget**

II-1. Arun Misra, Debaprasad Chakraborty, Bhargav Dhavala, India

EVOLUTION OF COAL PROCESSING PRACTICES AT TATA STEEL

II-2. Bijay Shankar Tiwari, Amit Ranjan, Ashwani Kumar, Bhalla Srinivas Rao, India

ENHANCEMENT OF FLOTATION KINETICS THROUGH APPLICATION OF MODIFIER

II-3. Degodya Elena Yurevna, Shavakuleva Olga Petrovna, Russia

INFLUENCE OF REAGENTS ON PHYSICAL AND MECHANICAL PROPERTIES OF MINERALS

II-4. Parveen Kumar Dhall, Himanshu Sarangi, Ranjan Kumar, Parag Mukherjee, Vineet Kumar, India

A CASE STUDY OF FLOWABILITY IMPROVEMENT USING SUPER ABSORBENT POLYMER AT TATA STEEL NOAMUNMDI NDCMP

II-5. Antonio Gutierrez Merma, Mauricio Leonardo Torem, Vinicius de Jesus Towsend, Caroline D. Grossi, Brazil

BIOSORPTIVE FLOTATION OF NICKEL AND COBALT BY RHODOCOCCUS *ERYTHROPOLIS*

II-6. Marcelo Carneiro Camarate, Mauricio Leonardo Torem, Antonio Gutierrez Merma, Ronald Rojas Hacha, Brazil

SELECTIVE BIOFLOCCULATION OF HEMATITE USING THE YEAST *CANDIDA STELLATA*

II-7. Pavel V. Aleksandrov, A.S. Medvedev, V.A. Imideev, Russia

NICKEL-COPPER CONCENTRATES PROCESSING BY LOW-TEMPERATURE ROASTING WITH SODIUM CHLORIDE

II-8. Birgul Benli, Atacan Adem, Turkey

BOX-BEHNKEN EXPERIMENTAL DESIGN FOR MICROWAVE ENERGY ROASTING OF REFRACTORY GOLD FLOTATION CONCENTRATE

II-9. V.A. Luganov, T. A. Chepushtanova, G.D. Guseynova, K.K. Mamyrbayeva, O. S. Baigenzhenov, E. S., Merkibayev, Kazakhstan

DEVELOPMENT OF TECHNOLOGY FOR GOLD-ARSENIC-COAL CONCENTRATES PROCESSING

II-10. Cyril Bourget, Jean-Yves Dumousseau, Keith Cramer, France

PRACTICAL ASPECTS OF OPERATING COPPER SOLVENT EXTRACTION PLANTS

II-11. Luana Caroline da Silveira Nascimento, Mauricio Leonardo Torem, Ellen Cristine Giese, Luiz Carlos Bertolino, Brazil

FUNDAMENTALS OF NEODYMIUM SORPTION IN PLYGORSKITE

POSTER SESSION I

Thursday, 9th May 2019, 16:45 – 18:00 (Hall A)

Chairmen: **Maja Trumić, Ilhan Bušatlić**

P-1. Maja Pačkoska, Ruža Manojlović, Jarmila Trpčeska, Republic of North Macedonia

CHARACTERIZATION OF TWO TYPES OF NICKEL ORES AND ANALYSIS OF THE PROSPECTS OF NICKEL CONCENTRATION

P-2. Blagica Cekova, Viktorija Bezhovska, Afrodita Ramos, Republic of North Macedonia

CHARACTERISTICS OF RESIDUE OBTAINED FROM RED OPALITE WITH CHEMICAL ACTIVATION

P-3. Nevenka Mijatović, Anja Terzić, Ljiljana Milič, Dragana Živojinović, Serbia

VALIDATION OF ICP-OES PROCEDURE FOR MAJOR AND TRACE ELEMENTS DETERMINATION IN THE LEACHATES OF FLY ASH AND FLY ASH BASED COMPOSITES

P-4. Aleksandar Pačeski, Janez Zavašnik, Aleš Šter, Andreja Štan, Aleksandar Luković, Ivana Jelić, Aleksandar Kremenović, Alena Zdravković, Suzana Erić, Danica Bajuk-Bogdanović, Serbia, Slovenia

MICRO - TO NANOSCALE TEXTURES OF ORE MINERALS: METHODS OF STUDY AND SIGNIFICANCE

P-5. Ivana Jelić, Janez Zavašnik, Predrag Vulić, Aleksandar Pačeski, Serbia, Slovenia

MICRO - TO NANOSCALE TEXTURE OF GOLD-BEARING ARSENOPYRITE FROM THE GOKČANICA LOCALITY, SERBIA

P-6. Irina Pestriak, Valery V. Morozov, Galina P. Dvoychenkova, Erdenetuya Otchir, Russia, Mongolia

INVESTIGATION AND DEVELOPMENT OF RECYCLED WATER CONDITIONING BY THE ENRICHMENT OF COPPER-MOLYBDENUM ORES

P-7. Viktor Atrushkevich, Russia

UNDERGROUND COAL ENRICHMENT

P-8. Marinela Ivanova Panayotova, Vladko Toforov Panayotov, Bulgaria

SET PLAN AND CRITICAL METALS

P-9. Vladimir Nikolić, Milan Trumić, Maja S. Trumić, Serbia

INSTRUMENTAL METHODS FOR CHARACTERIZATION OF ZEOLITE

P-10. Dragan S. Radulović, Ljubiša Andrić, Milan Petrov, Darko Božović, Marko Pavlović, Serbia, Montenegro

OBTAINING FILLERS BASED ON LIMESTONE FROM DEPOSIT "BRIJEG"-ULCINJ FOR APPLICATIONS IN VARIOUS INDUSTRIES

P-11. Katarina Balanović, Milan Trumić, Maja Trumić, Serbia

EFFICIENCY OF ZEOLITE GRINDING AND ITS POTENTIAL APPLICATION

P-12. Veljko Savić, Vladimir Topalović, Srdjan Matijašević, Jelena Nikolić, Snežana Zildžović, Sonja Smiljanić, Snežana Grujić, Serbia

PRODUCTION OF GLASS- CERAMICS FROM COAL FLY ASH AND LIMESTONE

P-13. Ilhan Bušatlić, Nadira Bušatlić, Bosnia and Herzegovina

THE POSSIBILITY OF USING THE FLY ASH FROM THERMAL POWER PLANT "STANARI" DOBOJ IN THE DEVELOPMENT OF GEOPOLYMERS

P-14. Mihal Đuriš, Tatjana Kaluđerović Radoičić, Zorana Arsenijević, Serbia

MATERIAL HOLD-UP AND RESIDENCE TIME IN FLUIDIZED BED OF INERT PARTICLES SLURRY DRYER

P-15. Tomas Vrbický, Jiri Botula, Richard Prikryl, Czech Republic

PROCESSING EXPERIMENTS OF FELDSPAR RAW MATERIAL USING COMBINED MAGNETIC AND GRAVITY CONCENTRATING SEPARATIONS

P-16. Vineet Kumar, B. V. Sudhir Kumar, India

A CASE STUDY OF EMULSIFYING THE COLLECTOR IN COAL FLOTATION TO IMPROVE THE SEPARATION EFFICIENCY OF FLOTATION CELL

P-17. Svetlana Bratkova, Anatolii Angelov, Elena Zheleva, Ekaterina Todorova, Stefan Stamenov, Emanuil Kozhuharov, Peter Delov, Elisaveta Valova, Zhivko Vasilev, Bulgaria
MULTI-DISCIPLINARY APPROACH FOR THE REHABILITATION OF HISTORICALLY DISTURBED LANDS

P-18. O.V. Yurasova, T.A. Kharlamova, A.A. Gasanov, A.F. Alaferdov, Russia

OPTIMIZATION OF THE PROCESS OF ELECTROCHEMICAL OXIDATION OF CERIUM IN THE PROCESSING OF RARE METALS RAW MATERIALS

P-19. Erdenezul Jargalsaikhan, Valery Morozov, Russia

OPTIMIZATION OF FLOTATION GRINDING PROCESSES USING MODEL- BASED CRITERIA

P-20. Jelena Čačić, Vladan Milošević, Branislav Ivošević, Dejan Todorović, Zoran Bartulović, Vladimir Jovanović, Sonja Milićević, Serbia

INVESTIGATION OF THE FLOTATION PARAMETERS FOR THE ORE FROM THE "CEROVO-C2" DEPOSIT - CEMENTATION ZONE

P-21. Jovica Sokolović, Rodoljub Stanojlović, Ljubiša Andrić, Zoran Štrbanović, Nikola Ćić, Serbia

THE EFFECT OF DIFFERENT COLLECTORS ON THE FLOTATION RESULTS IN THE COPPER MINE MAJDANPEK

P-22. H. A. Oliveira, A. Azevedo, J. Rubio Brazil

INNOVATIVE FLOCCULATION PROCESS FOR TREATING DISPERSED IRON TAILINGS BEARING WATERS

P-23. Vladko Toforov Panayotov, R. Imhof, M. Panayotova, Bulgaria

A POSSIBILITY FOR PURIFICATION OF INDUSTRIAL EFFLUENTS FROM ARSENIC IN HIGH CONCENTRATIONS

P-24. Tatjana Štarić, Marija Petrović, Zorica Lopič, Jelena Petrović,

Marija Kojić, Marija Koprivica, Katarina Pantović Spajić, Serbia

APRICOT SHELLS AS BIOSORBENT FOR Cu(II) IONS: DETERMINATION OF OPTIMAL ALKALINE TREATMENT CONDITIONS

P-25. Ana Popović, Sonja Milićević, Vladan Milošević, Branislav Ivošević, Jelena Čačić, Dragan Povrenović, Serbia

HOMOGENEOUS FENTON PROCES FOR MINERALIZATION OF METHYLENE BLUE

20:00 – 23:00 Conference dinner

SESSION III

Friday, 10th May 2019, 09:00 - 11:00 (Hall C)

Chairmen: Sonja Milićević, Mucsi Gabor

III-1. Section lectures

Mira Cocić, Mihovil Logar, Serbia

OBTAINING THE APPLICABLE MATERIAL FROM THE FFW AND ZEOLITIC TUFF

III-2. Roland Szabo, Mucsi Gabor, Hungary

EFFECT OF SiO₂/Al₂O₃ MOLAR RATIO ON STRUCTURE AND MECHANICAL PROPERTIES OF FLY ASH BASED GEOPOLYMER

III-3. Sonja Milićević, Sanja Martinović, Vladimir Jovanović, Milica Vlahović, Ndue Kanari, Ana Popović, Marija Kojić, Serbia, France

DEVELOPMENT AND MECHANICAL PROPERTIES OF THE PELLETIZED FLY ASH

III-4. Buket Kabacaoglu, Birgul Benli, Turkey

SILVER NANOPARTICLE SYNTHESIS AND USES IN SEPIOLITE-ALGINATE NANOCOMPOSITES FOR PROTECTIVE COATINGS

III-5. Yelena Bochevskaya, Z. Karshigina, A. Sharipova, Z. Abisheva, E. Sargelova, Kazakhstan

PHOSPHORIC SLAG - A TECHNOGENIC SOURCE OF RECEIVING "WHITE SOOT" AND CONCENTRATE OF RARE-EARTH METALS

III-6. Lyudmila Agapova, S. Kilibayeva, A. Zagorodnyaya, A. Sharipova, B. Kenzhaliyev, Zh. Yakhiyayeva, Kazakhstan

RECYCLING OF RHENIUM, NICKEL AND COBALT FROM THE WASTE OF HEAT-RESISTANT ALLOYS

III -7. Himanshu Tanvar, Nikhil Dhawan, India

EXTRACTION OF RARE EARTH VALUES FROM DISCARDED CFL-S

III-8. Jovanka Milićević, Milica Alimpić, Serbia

RAISING ENVIRONMENTAL AWARENESS AS AN IMPORTANT FACTOR FOR IMPROVING PACKAGING WASTE MANAGEMENT

III-9. Birgul Benli, Meltem Yıldız, Turkey

THERMODYNAMIC APPROACHES OF THE REMOVAL OF CYANIDE FROM WATER SOLUTIONS BY HALLOYSITE CLAYS

III-10. Ivana Smičiklas, Marija Egerić, Mihajlo Jović, Marija Šljivić-Ivanović, Ana Mraković, Serbia

ZINC AND STRONTIUM REMOVAL EFFICIENCY BY THERMALY MODIFIED SEASHELL WASTE

III-11. Ecehan Aygul Gonul, Alican Mert, Birgul Benli, Turkey

COLORING PERFORMANCE OF IRON OXIDE NANOPIGMENTS PREPARED FROM A SYNTHETIC ACID MINE DRAINAGE

POSTER SESSION II

Friday, 10th May 2019 11:30 -13:00 (Hall C)

Chairmen: Zoran Štirbanović, Marina Stamenović,

P-1. Dragana Medić, Snežna Milić, Boban Spalović, Ivan Đorđević, Serbia

IDENTIFYING CHEMICAL COMPOSITION OF CATHODE MATERIALS IN LITHIUM-ION BATTERIES

P-2. Zoran Štirbanović, Predrag Mitrović, Zoran Stević, Jovica Sokolović, Zoran Milkić, Serbia

APPLICATION OF WASTE GLASS IN PRODUCTION OF INSULATORS

P-3. Ilker Acar, Ozkan Acıslı, Turkey

EFFECT OF SODIUM OLEATE ON HYDROPHOBICITY OF CALCITE

P-4. Dragana Marilović, Maja Trumić, Milan Trumić, Ljubiša Andrić, Serbia

THE INFLUENCE OF pH VALUE ON DEINKING FLOTATION

P-5. Aleksander K. Nikolaev, Sergey Yu. Avksentyev, Julia G. Matveeva, Russia

DEVELOPMENT AND OPERATION OF HYDROTRANSPORT SYSTEMS UNDER SEVERE ENVIRONMENTAL CONDITIONS

P-6. Naguman P. Nigmatullayevich, Sherembayeva R. Tyulyukhanovna, Omarova N. Kakibayevna, Rakhimbekova A. Berikovna, Kazakhstan

STUDYING THE PROCESS OF SULFURIC ACID TREATMENT OF OXIDIZED COPPER

P-7. Madali Naimanbayev, Nina Lochhova, Zhazira Baltabekova, Yerzhan Kuldeyev, Kazakhstan

RARE-EARTH METALS EXTRACTION OUT OF SULPHATE SOLUTION BY SORPTION

P-8. Andrey Goryachev, Evgenia Krasavtseva, Dmitry Makarov, Russia

AMMONIUM COMPOUNDS IN THE TECHNOLOGIES OF COMPLEX PROCESSING OF LOW-
GRADE COPPER-NICKEL RAW MATERIALS IN THE ARCTIC CONDITIONS

**P-9. Blagica Cekova, Viktorija Bezhovska, Afrodita Ramos, Republic of North
Macedonia**

CHARACTERISTICS OF RESIDUE OBTAINED FROM RED OPALITE WITH CHEMICAL
ACTIVATION

**P-10. Marko Pavlović, Marina Dojčinović, Ljubiša Andrić, Dragan Radulović,
Milan Petrov, Serbia**

DETERMINATION OF THE CAVITATION RESISTANCE OF GLASS-CERAMIC SAMPLES BASED ON
RAW BASALT AND INDUSTRIAL WASTE RAW MATERIALS FOR USE IN METALLURGY

**P-11. Aleksandra Stanojković-Sebić, Zoran Dinić, Jelena Maksimović, Aleksandar
Stanojković, Radmila Pivić, Serbia**

APPLIANCE OF METALLURGICAL SLAG AS A BY-PRODUCT OF THE STEEL INDUSTRY IN
AMELIORATION OF ACID SOILS AND RESPONSES OF PARSLEY

**P-12. Zoran Stević, Silvana Dimitrijević, Aleksandra Ivanović, Milan Jovanovic
Stevan Dimitrijević, Serbia**

RECOVERY OF COBALT FROM DIAMOND CORE DRILLING CROWNS

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13:00 – 13:30 – Closing ceremony of XIII IMPRC 2019 (Hall C)

ABOUT BELGRADE

Belgrade (Beograd) is the capital of Serbia, with about 1,6 million inhabitants. It is located in the South-East of Europe, on the Balkan Peninsula, at the confluence of the Sava and Danube rivers. It is one of the oldest cities in Europe and since ancient times it has been an important traffic focal point, an train, by bus and by car.

Today, Belgrade is the administrative, political, economic, scientific, university, cultural and diplomatic capital of the Republic of Serbia. It has approximately 2 million residents. Ethnically multinational, the majority is of Serbian nationality and Orthodox religion.

Belgrade hosts numerous international and national congresses and fairs. According to ICCA (International Congress and Convention Association), Belgrade ranked Europe 24 and Worldwide 46, with more than 400 conventions and over 50,000 participants in 2018. MICE sector is growing fast thanks to local partners of Belgrade Convention Bureau, developing infrastructure, and high engagement of industry professionals.

Belgrade is easy to reach by plane, by train, by bus or by car.

Belgrade has always been at the crossroads of important European roads, which makes Belgrade very easy to reach: by plane - Belgrade Airport is 18 km far from the city centre, by car - the intersection of E-70 and E-75 roads, by train - the railway network connecting the West and the East, the North and the South, by boat - by sailing down two international rivers - Sava and Danube.

National airline carrier Air Serbia currently serves 49 direct destinations & over 90 code share destinations across Europe , Middle East, and North Africa destinations, with direct flights to New York City , and major ports in Frankfurt, London, Moscow, Milan, Munich, Paris, Vienna, Amsterdam and Zurich. It is very easy to reach the City from the airport by: Shuttle buses, public transportation and taxi.

The hotel accommodation capacity in Belgrade is changing and growing. The existing hotels are refurbishing and a new hotels are being built. At the moment, Belgrade offers 105 hotels with 6093 rooms in 5*, 4*, 3* hotels, 850 Private Apartments (over 2,500 Beds) and 100 Hostels (over 3,500 Beds).

Public transportation in Belgrade includes buses, trolley buses and trams. Suburban areas around Belgrade are covered by the bus lines and the BEOVOZ municipal railway. Taxi transportation is the most convenient for the visitors, with very reasonable prices.

The climate in Belgrade is moderate continental, with an average maximal temperature in June 25 °C, and average lowest temperature of 13 °C.

Visa regime: <http://www.mfa.gov.rs/en/>

Useful information: <http://www.tob.rs/>

