

Ore Potential of Alkaline, Kimberlite & Carbonatite Magmatism



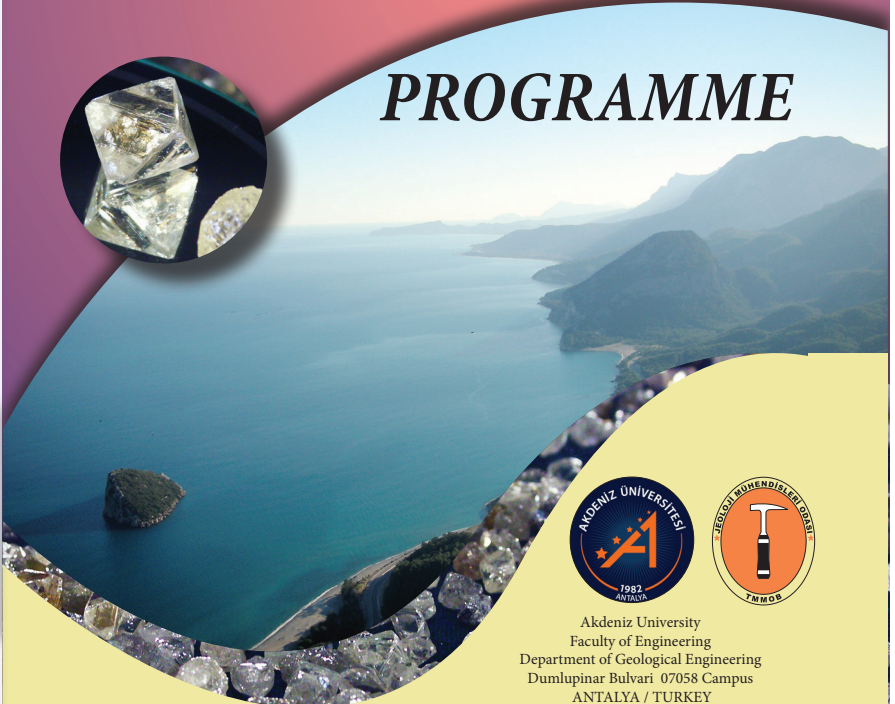
30th International Conference on "Ore Potential of Alkaline, Kimberlite and Carbonatite Magmatism"

29 September - 02 October 2014
Antalya - TURKEY

<http://www.alkaline2014.com>
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PROGRAMME



Akdeniz University
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ANTALYA / TURKEY

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30th International Conference on "Ore Potential of Alkaline, Kimberlite and Carbonatite Magmatism"
(29 September-02 October 2014, Antalya)

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29 SEPTEMBER 2014 / Monday	
HARRINGTON PARK RESORT HOTEL OPENING & REGISTRATION	
09:00-10:00	OPENING & REGISTRATION
10:00-11:00	OPENING TALKS ORGANIZING COMMITTEE (Kogarko L.N., Yalcin M.G., Ilbeyli N.) HEAD OF THE GEOLOGICAL ENGINEERING DEPARTMENT DEAN OF THE ENGINEERING FACULTY RECTOR OF THE AKDENİZ UNIVERSITY
11:00-11:15	TEA-COFFEE BREAK
	KEYNOTE SPEAKER CONVENER: Ilbeyli N
11:15-12:00	Superlarge strategic-metal deposits in the peralkaline complexes of Eastern part of Baltic Shield (age, isotopic sources, geochemistry, mechanisms of ores formation) Kogarko, Lia N.
12:00-13:30 LUNCH	
	KIMBERLITE & DIAMOND I CONVENERS: Verplanck P.L., Zaitsev V., Paksu E.
13:30-13:50	New Archean terranes with thick lithosphere of Arctic regions of Siberian and North American ancient platforms: are they prospective for diamondiferous kimberlites? Pokhilenko Nikolay P., Afanasiev V.P., Agashev A.M., Malkovets V.G., Pokhilenko L.N.
13:50-14:10	Redox differentiation in deep mantle and oxygen fugacity of diamond-forming processes, kimberlites and alkaline-ultramafic magmas Ryabchikov Igor D.
14:10-14:30	About origin of kimberlite Kostrovitsky, S.
14:30-14:45	TEA-COFFEE BREAK
	ORE POTENTIAL I CONVENERS: Pokhilenko N.P., Bayanova T.B., Nikolay V.V.
14:45-15:05	Enrichment of rare earth elements (REE) during the magmatic evolution of the alkaline to peralkaline Ilimaussaq complex, (South Greenland) Marks M.A.W., Mark G.
15:05-15:25	Genesis of the Weishan LREE deposit in the Shandong Province, eastern China: evidences from Rb-Sr isochron age, LA-MC-ICPMS Nd isotopic composition and fluid inclusion Fan Hongrui R., Lan T.G., Hu F.F., Yang K.F.
15:25-15:45	Rare Earth Element and Niobium Enrichments in the Elk Creek Carbonatite, USA Verplanck P.L., Kettler, R.M., Blessington M.J., Lowers H.A., Koenig A. E., Farmer G.L.
15:45-16:00	TEA-COFFEE BREAK
	EXPERIMENTAL I CONVENERS: Gorbachev N., Zinchuk N., Aniko B.
16:00-16:20	Interaction of the carbonate melts and lherzolite: constraints from sandwich experiments at 5.5 GPa and 1200°C Alexander Sokol G., Palyanov Yu.A., Kruk A.N., Chebotarev D.A.



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16:20-16:40	Phase relations in the systems (K and Na) ₂ CO ₃ -CaCO ₃ -MgCO ₃ at 6 GPa and 900-1400°C: implication for incipient melting in anhydrous carbonated mantle domains <i>Shatskiy Anton F., Litasov K.D., Ohtani E.</i>
16:40-17:00	Effect of CO ₂ content on melting phase relations in kimberlite group I at 6.5 GPa and 1200-1600°C: implications for the parental magma composition <i>Shatskiy Anton F., Sharygin I.S., Litasov K.D., Ohtani E.</i>
17:00-17:15	TEA-COFFEE BREAK
	MANTLE PROCESS CONVENERS: <i>Fan Hongrui R., Pál-Molnár E., San B.T.</i>
17:15-17:35	Polymict breccia xenolith from Noyabrskaya pipe (Yakutia) <i>Pokhilenko L.N., Afanasiev V.P., Pokhilenko N.P.</i>
17:35-17:55	H ₂ S-bearing fluid and sulfide of the upper mantle (East Antarctic) <i>Solovova I., Kogarko L.N.</i>
17:55-18:15	Fluid and sulfide inclusions in the upper mantle of East Antarctic <i>Solovova I., Kogarko L.N.</i>
20:00-21:00	DINNER

30 SEPTEMBER 2014, Tuesday

HARRINGTON PARK RESORT HOTEL

KEYNOTE SPEAKER

CONVENER: *Ryabchikov I.D.*

9:00-9:45

Carbonatites: general overview and their occurrences in Turkey
Ciftci E.

ALKALINE - CARBONATITE

CONVENERS: *Ciftci E., Shavers E.J., Guzmics T.*

9:45-10:05

Ages and sources of alkaline and carbonatites complexes in the N-E part of the Fennoscandian Shield
Bayanova Tamara B., Mitrofanov F.P., Serov P.A., Elizarov D.B., Nitkina E.A.

10:05-10:25

Trace element and isotopes Hf as a signature of zircon genesis during evolution of alkaline-carbonatite magmatic system (Ilmeny-Vishnevogorsky Complex, Urals, Russia)
Nedosekova Irina L., Belousova E.A., Belyatsky B.V.

10:25-10:45

Structural-compositional evolution and isotopic age of the Ilmeny-Vishnevogorsky complex, the South Urals, Russia
Medvedeva E.V., Rusin A.I., Krasnobaev A.A., Baneva N.N., Valizer P.M.

10:45-11:00

TEA-COFFEE BREAK



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EXPERIMENTAL II	
CONVENERS: <i>Kogarko L.N., Sharygin V.V., Solovova I.</i>	
11:00–11:20	Structure of upper crust of the Khibiny area on the basis of the geological and geophysical data and the results of 3D seismic and density modeling <i>Zhirov Dmitry V., Glaznev V.N., Zhirova A.M.</i>
11:20–11:40	Distribution of rare and rare earth elements between Grt, Cpx and Cb at mantle PT (experimental data) <i>Gorbachev N., Kostyuk V., Osadchy E.G.</i>
11:40–12:00	How to produce sodium-alkaline magma in the crust? experimental recipe <i>Simakin Alexander G., Salova T.P.</i>
12:00-13:30 LUNCH	
ORE POTENTIAL II	
CONVENERS: <i>Marks M.A.W., Zhirov D.V., Udoratina O.V.</i>	
13:30-13:50	The potential for REE deposits associated with alkaline and carbonatite magmatism in Europe <i>Goodenough K.M., Deady E.A., Shaw R.A., the EURARE Work Package 1 Team</i>
13:50-14:10	Geochemistry and genesis of Katugin complex of rare-metal alkaline granites <i>Vladykin N.V.</i>
14:10-14:30	Leaching of rare-earth elements from porphyric lujavrite (Lovozero alkaline massif, Kola Peninsula) <i>Ermolaeva Vera N., Mikhailova A.V., Kogarko L.N.</i>
14:30-14:45	TEA-COFFEE BREAK
PLUTONICS	
CONVENERS: <i>Sharygin V.V., Gücetekin A., Leventeli Y.</i>	
14:45-15:05	Granitoids of Different Geochemical Types of Baikal Area (Russia), Their Origin and Rare Metal Potential <i>Antipin V., Gorlacheva N.V.</i>
15:05-15:25	Crystallisation History and Sr-Nd Isotope Geochemistry of Çiçekdağ Igneous Complex (ÇİC) (Central Anatolia, Turkey) <i>Deniz K., Kadioğlu Y.K., Stuart F.M., Ellam R.M.</i>
15:25-15:45	Petrology and geochemistry of potassic foid-syenites of East Azarbaijan, NW Iran <i>Jahangiri A., Ashrafi N.</i>
15:45-16:00	TEA-COFFEE BREAK



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	KIMBERLITE & DIAMOND II & VOLCANIC CONVENERS: <u>Pokhilenko L.N.</u> , <u>Nedosekova I.</u> , <u>Deniz K.</u>
16:00-16:20	Diamonds from Russia <u>Garanin Victor K.</u> , <u>Garanin K.V.</u> , <u>Kriulina G.Y.</u>
16:20-16:40	Mantle conditions and geochemical environment as controls of diamond survival and grade variation in kimberlitic diamond deposits: Lunda Province, N.E. Angola <u>Yambissa M.T.</u> , <u>Bingham P.A.</u> , <u>Forder S.D.</u>
16:40-17:00	Petrological Constraints on the Quaternary Alkaline Lavas in Ceyhan - Osmaniye Area, Southern Turkey <u>Güctekin A.</u> , <u>Aldanmaz E.</u>
17:00-17:15	TEA-COFFEE BREAK
	ORE POTENTIAL III CONVENERS: <u>Antipin V.</u> , <u>Ozturk H.</u> , <u>Goodenough K.</u>
17:15-17:35	K-Ar and SEM results of the alkaline porphyritic stocks in the Şekeroba Barite Deposit, Kahramanmaraş, Turkey <u>Öztürk H.</u> , <u>Cansu Z.</u> , <u>Nikiforov A.E.</u> , <u>Zhukovsky V.M.</u>
17:35-17:55	The Ngualla Rare Earth Element Deposit, Tanzania <u>Witt Walter K.</u> , <u>Hammond. D.P.</u> , <u>Townend, R.</u>
17:55-18:15	New Contribution to the the Diamond-Bearing REE-Gold-Silver Mineralization at Kasr El- Bassel Area, South El-Fayoum, Upper Egypt <u>Kamel Omar A.</u> , <u>Eglal A.</u>
20:00-21:00	DINNER

01 OCTOBER 2014, Wednesday

HARRINGTON PARK RESORT HOTEL

KEYNOTE SPEAKER

CONVENER.: Yalcin M.G.

9:00-9:45

Ophiolites and Oceanic Crust: A Tethyan Perspective
Parlak O.

MAFIC-ULTRAMAFIC

CONVENERS: Wolkowicz S., Kamel O.A., Bagci U.

9:45-10:05

Seamount fragments within the Ankara Mélange, central Turkey and their tectonic implications
Sarfakioğlu E., Sevin, M., Dilek, Y.



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10:05–10:25	Sulfide minerals as new Sm-Nd geochronometers for ore genesis dating of mafic-ultramafic layered intrusions <i>Serov Pavel A., Ekimova N.A., Bayanova T.B., Mitrofanov F.P.</i>
10:25–10:45	Clinopyroxene composition of mafic-ultramafic xenoliths in alkaline rocks, northwestern Iran: an example of cognate-type xenoliths in lamprophyres <i>Soltanmohammadi A, Rahgoshay M, Ceuleneer, G</i>
10:45-11:00	TEA-COFFEE BREAK
ORE POTENTIAL IV CONVENERS: <i>Montecinos M.P., Eimear D., Uras Y.</i>	
11:00-11:20	Rare occurrence platinum group in Estandagh ophiolite complex (SW of Kerman, Iran) <i>Bagheriyan S.</i>
11:20-11:40	Chemical composition, geochemical features and genesis of charoite and charoite rocks, Murun complex <i>Dokuchits Emiliya Yu., Vladykin N.V.</i>
11:40-12:00	Geochemical Features Of Alkaline Magmatism - Related Fluorite Deposits Of Turkey <i>Altuncu S., Öztürk H.</i>
12:00-13:30 LUNCH	
MINERALOGY CONVENERS: <i>Garanin V.K., Sokol A.G., Parlak O.</i>	
13:30-13:50	Chlorine-bearing annite from Khlebodarovka enderbites, Azov Sea region, Ukrainian shield <i>Sharygin Victor V., Kryvdik S.G., Karmanov S.G., Nigmatulina E.N.</i>
13:50-14:10	Mineralogy of cryolite rocks from Katugin massif, Transbaikalia, Russia <i>Sharygin Victor V., Vladykin N.V.</i>
14:10-14:30	The role of melt inclusions study in clarifying jacupirangite petrogenesis, Kerimasi (Tanzania) <i>Káldos R., Guzmics Tibor, Dawson J.B., Szabó Cs., Milke R.</i>
14:30-14:45	TEA-COFFEE BREAK
GEOLOGY CONVENERS: <i>Simsek Y., Lyudmila L., Utku B.D.</i>	
14:45-15:05	Mineralogical and geochemical approaches to the Ayranci Bauxite deposits (Karaman, Turkey) <i>Yalcin M.G., Nyamsari D.G., Paksu E.</i>
15:05-15:25	Remarks On Bezier Type Curves And Their Applications To Geology <i>Simsek Y.</i>



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15:25-15:45	Mineralogical Specific Features Of Altered Kimberlites <i>Zinchuk N.</i>
15:45-16:00	TEA-COFFEE BREAK
16:00-16:30	CLOSING REMARKS
	FREE TIME
20:00-21:00	DINNER

29 SEPTEMBER 2014 / Monday

HARRINGTON PARK RESORT HOTEL POSTER PRESENTATIONS

P01	Nikolay Zinchuk	Specific Features of Ore-Magmatic Kimberlite Systems in Connection With Diamond-Prospecting Works
P02	Shavers Ethan J., Ghulam A., Encarnacion J.	Mineral and Spectral Reflectance Profile of Humid Region Ultramafic Diatremes
P03	Nikolay Gorbachev, Shapovalov Y.B., Sultanov D.M.	Trace and Rare Earth Elements in Carbonates and Silicates of Carbonatites Fennoscandian Shield
P04	Filippo Luca Schenker, Jean-Pierre Burg, Dimitrios Kostopoulos, Andrea Galli	Distinguishing Metacarbonatites From Marbles – Challenge From the Carbonate-Amphibolite-Epidotite Rock Association in the Pelagonian Zone (Greece)
P05	Sekisova Victoriia S., Sharygin V.V., Zaitsev A.N.	Alkali Carbonates in Minerals of Ijolite at the Oldoinyo Lengai Volcano, Tanzania
P06	Nikiforov Anatoly V., Öztürk H., Altuncu S., Lebedev V.A.	Kizilirmak Ore- and Carbonatite-Bearing Complex: Formation Time, Mineralogy and Sr-Nd isotope Geochemistry of the Rocks (Northwestern Anatolia, Turkey)
P07	Jackowicz E., Wolkowicz K., Wolkowicz S., Bojakowska I.	Petrological Studies of Rocks From Catanda Carbonatitic Massif (W Angola) - Preliminary Results
P08	Andrea Galli, D.N. Grassi, L. Schwab, F. Schenker	Petrological and Geochemical investigation on a Carbonate-Dyke From the Val Mastallone (Ivrea-Verbano Zone): Evidence of a Cumulate Carbonatite in the Lower Crust?
P09	Montecinos Munoz P., Simonetti A., Mateus A., Tassinari C.	In-Situ Geochemical Data of Minerals From Jacupiranga Complex Carbonatites (Southern Brazil): Some Petrogenetic Considerations
P10	Lyudmila Lyalina, Zozulya D., Savchenko Y., Selivanova E.	Ree, Y, Zr, Nb Contents in Hainite From Different Alkaline Rocks
P11	Udoratina Oksana V., Travin A.V.	Alkaline Picrites From the Chetlassky Complex in Middle Timan: Ar-Ar Data



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P12	Udoratina Oksana V., Varlamov D.A.	Ultrapotassic Rocks of the Lower Part of the Basalt Cover (Middle Timan)
P13	Sharygin Victor V.	Y-Ree-Dominant Zirconolite-Group Mineral From Dmitrovka Metasomatites, Azov Sea Region, Ukrainian Shield
P14	Abderrahmane Houria, Benali H	Geochemistry Oued Amizour igneous Rocks (Bejaia, Eastern Algeria)
P15	Abla Azzouni-Sekkal, Faiza Ikhlef-Debabha, Karima Aidrous-Belhocine, Bernard Bonin, Jean-Paul Liégeois	Mafic Layered Complexes Coeval to Felsic Complexes in the Latea Metacraton (Hoggar Algeria): an Example of Alloum-in Amertek-Oukcem Complexes implications For Post-Collisional Igneous Episodes in the Panafrican Orogen.
P16	Sharygin Victor V., Ivanov O.K.	Cr-Rich “Tiooxyspinel” Mineral From Kosva Dunite Massif, Middle Urals: Possible Link Between Spinel- and Tiospinel-Group Minerals
P17	Velikanov Yriy F., Velykanova O.Y.	Mineralogical-Petrographic Characteristics of Ultrabasite Massif in the Northern Kryvbas
P18	Faridazad Morovvat	Petrology of Meta-Ultramafic Rocks in the Khoy Ophiolitic Complex, NW Iran
P19	Velykanova Olga Y., Velikanov Y.F.	Comparative Characteristics of Ultrabasites of the Devlsdivska Fault Zone and Vysokopilska Structure (Fore-Mid-Dnieprian)
P20	Ignatkevich Elena S., Varlamov D.A.	Typochemism of the Apatite Supergroup Minerals From Devonian Ultrabasic Alkaline Rocks Found in the Braginsky and Loevsky Saddle (Belarus)
30 SEPTEMBER 2014 / Tuesday		
HARRINGTON PARK RESORT HOTEL POSTER PRESENTATIONS		
P21	Tijen Uner, Fatih Oghan, Uner Cakir	The Geochemistry of Chromitites in Eldivan Ophiolite, Cankiri (Central Anatolia, Turkey)
P22	Arat I., Yanik G., Kibici Y., Ilbeyli N., Ozkul C.	Petrographical and Geochemical Properties of the Mafic (Gabbroic) Rocks, (Turkey, Kinik - Kütahya)
P23	Davoudian A.R., Sakhaei Z., Shabanian N.	Petrology of Sarkoobeh Alkali Gabbro in the North of Khomain, Iran
P24	Ozturk M., Kaygusuz A	LA-ICP Ms Zircon Dating, Geochemical and Sr-Nd-Pb-O isotopic Compositions of the Eocene I-Type Kilickaya Granitoid, Eastern Pontide, NE Turkey
P25	Okrostsvavidze Avtandil V., Bluashvili D.I., Chung S.I.	Petrology of the Vakijvari Syenite intrusive Complex and their Orefield Characteristic (Lesser Caucasus, Guria Region, Georgia)
P26	Shabanian N., Jaberli M., Davoudian A.R.	Geochemistry and Tectonic Setting of Syenites of the North Shahrekord, Iran
P27	Zaitsev Victor A.	Kontay Layered Subalkaline Intrusion (Polar Siberia)
P28	Batki Aniko, Pál-Molnár E.	Parental Melts From Metasomatised Mantle Source: Camptonites in the Ditrau Alkaline Massif, Romania



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P29	Andrey A. Arzamastsev	Dykes in the Northeastern Fennoscandian Shield: a Key for Paleozoic Magmas Emplacement and Estimation of Primary Mantle Melts Composition
P30	Enkhbayar Dorjpalma , Seo J., Lee Y.J., Choi S.G., Batmunkh E.	Mineral Chemistry of Ree-Rich Apatite at the Mushgai-Khudag Carbonatite-Alkaline Complex, South Gobi, Mongolia
P31	Alexander V. Tolstov	Platinum Prospects of Alkaline Rocks of Udzha Province (Northwest of Yakutia)
P32	Alexander V. Tolstov	Distribution of Rare and Radioactive Elements in Rocks and Ores of Massif Tomtor
P33	Hussein A. Hegazy	Petrogenesis of El-Kahfa Ring Complex Eastern Desert, Egypt
P34	Yusuf Uras, Vahide Caliskan	Geochemical Patterns of the Buyukkizilcik (Kahramanmaraş) Fluorite Deposits
P35	Djeddi Mabrouk	Sismicity of the Region of Algeriers/Analysis and Synthesis of Current Knowledge
P36	Elhabab Adel, Adasani Ibrahim	Geochemical and Mineralogical Characters of the Coastal Plain Sediments of the Arabian Gulf, Kuwait
P37	Alain Bindu	Problematic of the Ariisanal Mining Exploitation and their impacts On the Environment in Walikale (North Kivu)
P38	Bouchilaoune Naby, Abderrahmane H, Boutaleb A.	Geology Study of Boukdema, Northeast of Setif (Algeria)
P39	Nourredine Bentahar, G. Otmanine, H. Mimoun	Application of Solid Catalysts from the Bentonite
P40	Said Eladj, Sid-Ali Ouadfeul, Amir Mallek, Massa Samir and Leila Aliouane	Study of the Phenomenon of Low Resistivity Reservoir Producer Devonian (Southern Algeria)

01 OCTOBER 2014 / Wednesday

HARRINGTON PARK RESORT HOTEL POSTER PRESENTATIONS

P41	Siyamak Bagheriyan	Singular Synergistic Effects of Expanded Nanoclay On Flame Retardant Abs/Sb ₂ O ₃ /Bromine Hybrid Nanocomposites
P42	Siyamak Bagheriyan	A Selective and Efficient Method For the Adsorption and Separation of Arsenic Metal ion From Waste Waters by Magnetic Solid-Phase Extraction with Modified Magnetic Nanoparticles
P43	Siyamak Bagheriyan	Mineralization of Quadrangle of Aligodarz Aria (West of Iran) Using Geomagnetism Data of Satellite Images
P44	Siyamak Bagheriyan	The investigation of Sormeh Manganese Mineralization (West of Nourabad – Lorestan Province)
P45	Serpil Kilic, Fusun Yalcin, Murat Kilic, M. Gurhan Yalcin, Ebru Pakso	Chemical Content and Statistical Correlation of Rare Earth Elements (Ree) Between Bogacayi (Antalya) Beach Sand and Alanya-Manavgat (Mediterranean) River Sediment
P46	Ilbeyli N., Demirbilek M., Kibici Y.	Petrological and Geochemical Features of Enclaves in the Sögüt Pluton (Eskisehir-Bilecik, Turkey)



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P47	Afsin Gungor	As A Green Energy Resource; Turkey's Thourium
P48	Yasemin Leventeli	Geochemical Data in Geotechnics: Ecemis Fault Zone
P49	M.Gurhan Yalcin, Ebru Paksu	Rare Earth Elements (Ree) Content of Bauxite Deposits of Bolkaradagi (Ayranç - Karaman)
P50	Fusun Yalcin, Nurdane Ilbeyli	Multivariation Statistics Determination of Hamit Alkaline Plutonic Rocks (Kirsehir-Turkey)
P51	Sheremet E.M.	On the Genesis of Kimberlites of the Ukrainian Shield
P52	Kalender L.	Oxygen, Carbon and Sulphur Isotope Studies in the Keban Pb-Zn Deposits, Eastern Turkey; an Approach on the Origin of Hydrothermal Fluids
P53	Khorshidian F., Asadi S.	Investigating Iron Mineralization in Choghart and Chadormalu Iron Deposits, Based on Mineralogical and Geochemical Characteristics of Apatite in Bafq Mining District, Yazd Province, Iran
P54	Swain Sagar K., Sarangi S., Sarkar A., Srinivasan R., Vasudev V.N.	Stable Isotope ($\Delta^{13}C$ and $\Delta^{18}O$) Composition of Carbonates of Auriferous Quartz Carbonate Veins, Chigargunta and Bisanattam Gold Deposits, South Kolar Schist Belts: Implication To Source of Ore Fluids
P55	Chen Bin, Xinghua M.A., Zhiqiang W.	Origin of the Fluorine-Rich Highly Differentiated Granites From the Qianlishan Composite Plutons (South China) and Implications for Polymetallic Mineralization
P56	Kerimov Vagif M., Purmuxtari M.B.	Strontium and Barium Behavior in Potassic-Alkaline and Sub-Alkaline Basaltoid Complexes of the Talysk Zone (Azerbaijan)
P57	Babayeva G.J., Mammadov M.N., Gasanguliyeva M.Y.	Behavior of Alkali, Alkali-Earth and Rare-Earth Elements of Trachybasalt-Trachydolerite and Tephrite-Teschentite Complexes of Khojavid Trough
P58	SaadatS., Stern, C.R., Moradian A.	Evidences of Ree Mineralization in a Quaternary Highly Potassic Volcanic Complex with Carbonatite Affinities, Central Iran
P59	M.Gurhan Yalcin, Ebru Paksu, Serpil Kilic	La, Ce, Y, and Sc (Rare Earth Elements) Contents of Coastal Sands Between Alanya and Manavgat (Western Mediterranean) Areas
P60	Proskurnin Vasilij F., Petrov O.V., Lukyanova L.I., Gavriush A.V., Saltanov V.A., Stepunina M.A., Gromov P.A.	Placement Principles of Potentially Diamantiferous Middle-Late Triassic Magmatic Rocks (Hydroexplosive Tuffs of Kimberlites, Lamproites, Crustal Carbonatites) of Taimyr-Olenek Region
P61	Burcu Demirel Utku	The Accounting Policy Practiced By The Mining Firms In The Cost Of Mining Excavation
P62	Lukianova L.I., Goloburdina M.N. Alkaline	Ultramafic magmatism in diamondiferous areas in the Western Urals (Perm Region)

02 OCTOBER 2014, Thursday

30th International Conference on
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One-day Field Excursion

The Tekirova (Antalya) Ophiolite, ANTALYA – TURKEY

Excursion Leaders: Osman PARLAK and Utku BAGCI

Ore Potential of Alkaline, Kimberlite & Carbonatite Magmatism



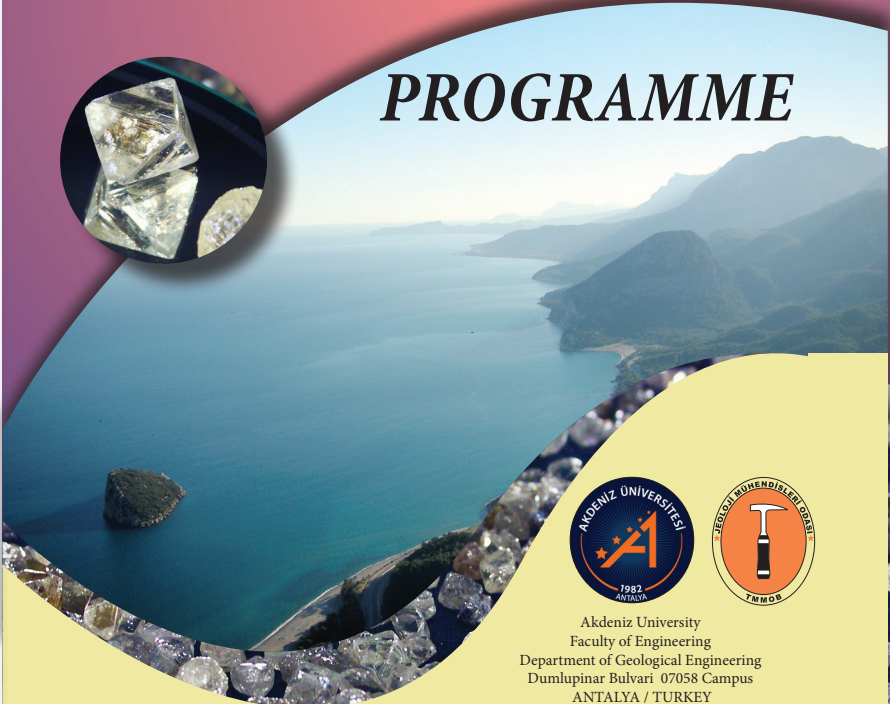
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PROGRAMME



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