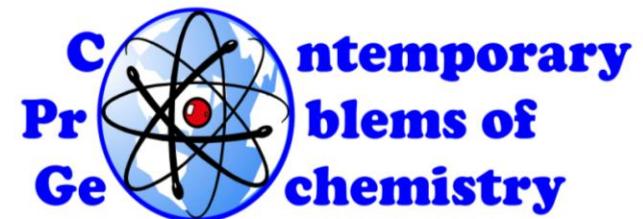


Program

The 2nd Conference on



Kielce, Poland, Sept 24–26.2012

Sept 23, 2012 (Sunday)

Since 16:00	Arrival and accommodation	On-site registration at "Melodia" Hostel of J. Kochanowski University in Kielce, 15 Śląska St.
Since 16:00	Poster mounting	Institute of Chemistry, 15G Świętokrzyska St.

Sept 24, 2012 (Monday)

7:00–8:00	Breakfast	University in Kielce, 15 Śląska St. (catering)
8:00–9:00	Poster mounting/registration	Institute of Chemistry, 15G Świętokrzyska St.
Addresses		
9:00–9:05	Zdzisław M. Migaszewski (Leader of the Geochemical Group of the Mineralogical Society of Poland)	Greeting of the participants and presentation of the conference agenda
9:05–9:10	Jacek Semaniak (President of the Jan Kochanowski University in Kielce)	Official opening of the conference
9:10–9:15	Ryszard Kryza (President of the Mineralogical Society of Poland)	Greeting of the participants
Plenary session I/1 (invited speakers)		
Chairperson: Zdzisław M. Migaszewski		
9:15–10:00	Khageswar S. Patel, Yogita Nayak, Raj K. Patel, Harald Saathoff, Jutta Lintelmann, Georg Matuschek	Black carbon and polycyclic aromatic hydrocarbon pollution in India
10:00–10:45	Ruth E. Wolf, Andrew S. Todd, Suzette A. Morman, Todd M. Hoefen, Philip L. Hageman, Geoffrey S. Plumlee	Using ICP-MS to decipher biogeochemical processes: speciation and isotope doping case studies
10:45–11:00	Discussion	
11:00–11:30	Coffee break + poster session	

Plenary session I/2 (environmental geochemistry (1))
Chairperson: Ruth E. Wolf

11:30–11:50	Khageswar S. Patel, Yogita Nayak, Nitin K. Jaiswal, Raj K. Patel, Matini Lautent, Laura Borgese, Alessandra Gianoncelli, Elza Bontempi	Heavy metal pollution of Indian sediment
11:50–12:10	Beata Smieja-Król	The formation of ZnS and barite pseudomorphs after Ca oxalate crystals in organic rich soil
12:10–12:30	Jakub Kierczak, Artur Pędziwiatr Jarosław Waroszewski	Distribution and bioavailability of Ni and Cr in serpentine soils from Lower Silesia – preliminary results
12:30–12:45	Discussion	
12:45–13:45	Lunch	

Plenary session I/3 (isotope geochemistry/geochemical modeling)
Chairperson: Khageswar S. Patel

13:45–14:05	Maciej Górką, Dominika Lewicka-Szczebak, Roland FUß, Mariusz-Orion Jędrysek	One-year spatial and temporal monitoring of concentration and carbon isotopic composition of atmospheric CO ₂ and CH ₄ in urban area (Wrocław, SW Poland)
14:05–14:25	Stanisław Hałas, Józef Dąbek, Adrian Pacek	Lithium isotope analysis in waters and sediments
14:25–14:45	Agnieszka Gałuszka, Zdzisław M. Migaszewski	Arsenic in waters of the Podwiśnówka area: geochemical and environmental considerations
14:45–15:00	Discussion	
15:00–15:15	Presentations of scientific instruments by Perkin Elmer Polska	
15:15–15:35	Coffee break + poster session	
15:35–16:15	Free time	
16:15–19:00	Tour of Kielce: "Devonian story" (leaders: Zdzisław Migaszewski, Agnieszka Gałuszka)	Itinerary: (1) Center of Geoeducation in Kielce; (2) Geology of Wietrzna quarry
19:00–	Break the ice dinner at the Institute of Chemistry	

Sept 25, 2012 (Tuesday)

7:30–8:30	Breakfast	University in Kielce, 15 Śląska St. (catering)
Plenary session II/1 (applied geochemistry)		
Chairperson: Ruth E. Wolf		
9:15–9:35	Jakub Matusik, Tomasz Bajda	Kaolinite-based sorbent of hexavalent chromium: sorption mechanism, pH effect and desorption behaviour
9:35–9:55	Ciążela Jakub, Torsten Bolte, Francois Holtz, Andrzej Muszyński, Katarzyna Machowiak	The effect of water activity on the eutectic point in natural granitic systems
9:55–10:15	Zdzisław M. Migaszewski, Agnieszka Gałuszka, Andrzej Migaszewski	REE concentrations in well and pond waters of the Podwiśniówka area (Holy Cross Mountains, south-central Poland)
10:15–10:30	Discussion	
10:30–11:00	Coffee break	
11:00–11:15	Presentation of scientific instruments by Bruker Polska	
11:15–11:45	Poster session (Agnieszka Gałuszka)	
11:45–12:30	Free time (preparation for the field trip)	
Field session (departure of coach at "Melodia" Hostel of J. Kochanowski University)		
12:30–18:00	Excursion leaders: Zdzisław M. Migaszewski, Agnieszka Gałuszka	Tour of Romanesque Cistercian abbey in Wąchock and Neolithic Flint Mine at Krzemionki (approx. 70 km north-east of Kielce)
18:00–19:00	Free time	
19:00–	Official dinner	"Monte Carlo" restaurant in Kielce

Sept 26, 2012 (Wednesday)

7:30–8:30	Breakfast	University in Kielce, 15 Śląska St. (catering)
Plenary session III/1 (environmental geochemistry (2))		
Chairperson: Stanisław Hałaś		
9:20–9:40	Sabina Dołęgowska, Artur Michalik	Anomalous concentrations of rare earth elements in mosses and soils from the Kielce region (south-central Poland)
9:40–10:00	Artur Michalik, Sabina Dołęgowska	Rare earth elements distribution in spring waters of Świętokrzyski National Park, Poland
10:00–10:15	Discussion	

10:15–10:45	Coffee break
10:45–11:00	Summary of poster session by Agnieszka Gałuszka
11:00	Conference closure

List of Posters:

IMPORTANT NOTE: The Authors of posters should prepare a 5 minute speech on the thematic issue, which will be presented during the poster sessions.

Topic "Environmental Geochemistry"

1. Zdzisław M. Migaszewski, Agnieszka Gałuszka, Karina Krzciuk – "LA-ICP-MS study of selected trace element distributions in pyrite from the Podwiśniówka quarry, Holy Cross Mts (south-central Poland)"
2. Justyna Smolarek, Leszek Marynowski, Achim Bechtel, Marc Philippe – "New molecular indicator of fossil conifer wood degradation by wood-decay fungi"
3. Irena A. Wysocka, Irena Jaroń, Jarosław Kucharzyk – "Investigation of rare earth elements content in ground waters of Poland by using ICP-MS technique"
4. Irena A. Wysocka, Ewa Krzemińska – "Analysis of the garnet samples as the example of application of laser ablation inductively coupled plasma mass spectrometry technique"

Topic "Applied Geochemistry, Mineralogy and Petrology"

1. Piotr Bożecki, Grzegorz Rzepa, Przemysław Rzepka – "Preliminary results of neutralization of AMD waters from selected reservoir in the Muskau Arch near Łęknica, W Poland"
2. Kamil Czech, Magdalena Garnuszek, Dariusz Wideł – "Application of selected modified halloysite adsorbents for ammonia adsorption determined by capillary electrophoresis method"
3. Beata Gebus, Stanisław Hałaś – "Micro ion selective electrodes – an alternative for nitrate/nitrite precision concentration measurements"
4. Dorota Kowalik-Kociszewska, Ryszard Kryza, Jacek Ćwiąkalski – "Historical sandstone epitaphs from Lower Silesia (SW Poland: preliminary results of petrographic investigations"
5. Katarzyna Pietrzykowska, Marta Prell, Ryszard Kryza – "Świny Castle (Sudetes, SW Poland): a natural laboratory to study lichenological-lithological interrelationships"
6. Marta Prell, Katarzyna Pietrzykowska, Ryszard Kryza – "Petrography, deterioration and lichenology of sandstones from the Pomorski bridge in Wrocław and old Płakowice quarry (a comparative study)"

7. Alicja Wzorek, Mariusz Urbaniak, Barbara Gawdzik, Jarosław Gawdzik, Łukasz Rożak – “Remediation of soils contaminated with petroleum hydrocarbons: A case study, TBD S.A. Dębica”

Topic “Isotope Geochemistry”

1. Anna Baran, Andrzej Pelc, Stanisław Chmiel, Stanisław Hałas – “Origin of saline waters in the vicinity of Rzeszów in the light of isotope ($\delta^{18}\text{O}$, δD , $\delta^{13}\text{C}$, $\delta^{37}\text{Cl}$) and hydrochemical studies”
2. Zbigniew Czupryt, Stanisław Chmiel, Stanisław Hałas – “Cavity Ring Down Spectrometry: an alternative to Isotope Ratio Mass Spectrometry”
3. Agata Duczmal-Czernikiewicz, Stanisław Hałas, Beata Gebus, Zbigniew Czupryt – “Stable isotope record of carbonates from the Poznań Formation”
4. Beata Gebus, Zbigniew Czupryt, Stanisław Hałas – “Simultaneous preparation of N_2 and CO_2 for stable isotope analysis from nitrate samples”
5. Mirosław Huber, Stanisław Hałas – “Ore minerals characterization and stable sulfur isotopes from Broken Hammer, Sudbury”
6. Maciej Rybicki, Maciej Górką, Leszek Marynowski – “Detection of multiple organic matter sources in PM10 aerosol particles from Wrocław city using carbon isotope signature and molecular study”
7. Elżbieta Zwolińska, Maciej Górką, Anna Zwoździak, Jerzy Zwoździak, Mariusz-Orion Jędrysek – “Carbon isotope analyses of PM10 dust in the vicinity of Bogatynia (SW Poland) as an indicator of anthropogenic impact”