

**Proceedings of the 7<sup>th</sup> Slovenian-Serbian-Croatian  
Symposium on Zeolites**  
**Proceedings of the 7<sup>th</sup> Serbian-Croatian-Slovenian  
Symposium on Zeolites**  
**Proceedings of the 7<sup>th</sup> Croatian-Slovenian-Serbian  
Symposium on Zeolites**

Abbreviated title:  
**Proc. Croat.-Slov.-Serb. Symp. Zeolites**

**ISSN 2584-3176**

Publisher  
Croatian Zeolite Association (CROZA)

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Print  
KOPIR BIRO BALEN, Zagreb  
CROATIA

Copies  
60

Zagreb, 2017.

PROCEEDINGS OF THE  
7<sup>th</sup> SLOVENIAN-SERBIAN-CROATIAN  
SYMPOZIUM ON ZEOLITES

May 25-27, 2017.  
Ljubljana, Slovenia

Organizers

SLOVENIAN ZEOLITE ASSOCIATION  
SERBIAN ZEOLITE ASSOCIATION  
CROATIAN ZEOLITE ASSOCIATION

Under the auspices of  
Federation of European Zeolite Associations (FEZA)

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**7<sup>th</sup> Slovenian-Serbian-Croatian Symposium on Zeolites**  
**25<sup>th</sup> – 27<sup>th</sup> May 2017, Ljubljana, Slovenia**

Time	Thursday, May 25 <sup>th</sup>	Friday, May 26 <sup>th</sup>	Saturday, May 27 <sup>th</sup>
8:00 AM	<b>Registration</b>		
9:00 AM	<b>Symposium Opening</b>		
	<b>Chair: Mali</b>	<b>Chair: Novak Tušar</b>	<b>Chair: Hrenović</b>
9:15 AM			<b>Ristić (Keynote Lecture)</b>
9:30 AM	<b>Senker (Plenary Lecture)</b> <i>Structure, disorder and function in metal-organic frameworks</i>	<b>De Vos (Plenary Lecture)</b> <i>Structural variability, shaping and catalysis with d(0) metal based MOFs</i>	<i>Design of water sorbents for energy storage and transformation</i>
9:45 AM			<b>Krajnc</b> <i>Microporous aluminophosphates for heat reallocation</i>
10:00 AM			
10:15 AM	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
10:30 AM	<b>Gascon (Keynote Lecture)</b>	<b>Giordano (Keynote Lecture)</b>	<b>Short Presentations</b>
10:45 AM	<i>Towards new concepts in the design of heterogeneous catalysts</i>	<i>From methanol to DME: Comparison from 1-D to 3-D zeolite in the catalytic behaviour</i>	<b>Nuić:</b> <i>The assessment of natural zeolite as a material for remediation of mercury contaminated water bodies</i>
11:00 AM	<b>Tüysüz (Keynote Lecture)</b>	<b>Milenković (Keynote Lecture)</b>	<b>Jevtić:</b> <i>Structural characteristics of a clinoptilolite / iron oxide composite</i>
11:15 AM	<i>Endo- and exo-templated materials for water splitting</i>	<i>On the antibacterial activity of metal-exchanged zeolites</i>	<b>Čendak:</b> <i>Determining the structure of chemisorbed CO<sub>2</sub> species in amine-functionalized mesoporous silicas by solid-state nmr and computational modeling</i>
11:30 AM	<b>Rac</b>	<b>Dekić</b>	<b>Pliekhov:</b> <i>Water adsorption behavior of dealuminated zeolite Y</i>
11:45 AM	<i>Issues in the assessment of textural properties of micro/mesoporous zeolitic materials using low temperature nitrogen adsorption</i>	<i>Reduction of Acinetobacter baumannii biofilm formation by natural zeolite</i>	<b>Ganjto:</b> <i>Environmental impact of foamed glass prepared from sewage sludge ash</i>
12:00 PM			
12:15 PM			
12:30 PM	<b>Lunch Break</b>	<b>Lunch Break</b>	
12:45 PM			<b>Lunch Break</b>
	<b>Chair: Zabukovec Logar</b>	<b>Chair: Rajić</b>	
1:00 PM		<b>Kragović</b>	
1:15 PM		<i>Lead removal from water solutions by natural and Fe(III)-modified zeolite encapsulated with alginate</i>	
1:30 PM	<b>Morris (Pregl Lecture)</b>	<b>Vukojević Medvidović</b>	
1:45 PM	<i>Storage and delivery of medical gases using zeolites and metal-organic frameworks</i>	<i>Leaching behaviour of natural "low cost" sorbents saturated with zinc and copper</i>	
2:00 PM		<b>Ugrina</b>	
2:15 PM	<b>Coffee Break</b>	<i>Design of a two-stage sorption system for Zn and Cd removal onto iron-modified zeolite - mass optimization</i>	
	<b>Chair: Bronić</b>	<b>Bosnar</b>	
2:30 PM	<b>Palčić (Keynote Lecture)</b>	<i>Positron annihilation characteristics of some low-silica zeolites</i>	
2:45 PM	<i>Insights into the formation of zeolites by studying of the reaction precursors</i>		
3:00 PM	<b>Mazaj</b>	<b>Dissemination Session</b>	
3:15 PM	<i>In-situ growth of metal-organic frameworks via metal-oxide recrystallization: A new approach of MOF@Polyhipe design</i>		
3:30 PM	<b>Puškarčić</b>		
3:45 PM	<i>Synthesis of zinc and cadmium glycyl-L-phenylalanine coordination polymers: Mechanochemical approach</i>		
4:00 PM			
4:15 PM	<b>Triantafyllidis (Keynote Lecture)</b>	<b>Excursion to Postojna Cave</b>	
4:30 PM	<i>Catalytic fast pyrolysis of biomass by zeolites and mesoporous aluminosilicates</i>	<b>Conference Dinner</b>	
4:45 PM	<b>Stöcker</b>		
5:00 PM	<i>Thermo-chemical conversions of biomass - new trends</i>		
	<b>Milovanović</b>		
	<i>Syringol production in the presence of NiO/H-ZSM-5: Influence of lignin origin and lignin depolymerisation method</i>		
	<b>Šuligoj</b>		
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