

# 1<sup>st</sup> French-Slovak Workshop

*on*  
**Inorganic compounds for environmental applications:  
 synthesis, characterization and analysis**

Monday 13<sup>th</sup> September 2021

*at*

Faculty of Natural Sciences, Comenius University in Bratislava  
 CPS+ conference room (B1-322)

## Programme of the workshop:

Time	Speaker and affiliation	Presentation
8h00 8h05	<b>Dr. Olivier Monfort</b> Chairman of the Workshop <b>Prof. Jozef Noga</b> Vice Dean, FNS CU Bratislava	<b>Welcome speech</b>
8h05 8h25	<b>Dr. Milan Sykora</b> CU Bratislava	Presentation of the <i>Laboratory for Advanced Materials (LAM)</i> : a new research laboratory co-funded by the European Union
8h25 8h45	<b>Prof. Florent Louis</b> Université de Lille	Environmental aspects of atmospheric chemistry modelling
8h45 8h50	<b>Prof Marek Stevcek</b> Rector, CU Bratislava	Medal Ceremony: Gold Medal of the CU Bratislava awarded to prof. Florent Louis
8h50 9h20		<i>Coffee break</i>
9h20 9h30	<b>Prof. Gilles Mailhot</b> ICCF	Presentation of the <i>Institut de Chimie de Clermont-Ferrand (ICCF)</i>
9h30 9h50	<b>Prof. Gilles Mailhot</b> ICCF	Iron (photo)chemistry: Implication in the environment and AOPs
9h50 10h10	<b>Dr. Guillaume Voyard</b> ICCF	The Chromatography analytical platform of the ICCF for water treatments: Metals and organic acids analyses by IC and MS
10h10 10h30	<b>Dr. Dana Dvoranova</b> STU Bratislava	How can be EPR helpful in the study of photocatalytic systems?
10h30 11h00		<i>Coffee break</i>
11h00 11h20	<b>Prof. Marcello Brigante</b> ICCF	Quantification and reactivity of inorganic radicals in AOPs
11h20 11h40	<b>Hryhorii Makarov</b> CU Bratislava	Synthesis and characterization of Ti-Mo oxide nanotubes
11h40 12h00	<b>Patricia Petriskova</b> Slovak Academy of Sciences	Effect of substrate on TiO <sub>2</sub> nanotube arrays formation and their photocatalytic efficiency under UVA irradiation
12h00 12h20	<b>Arezou Fazli</b> ICCF	Synthesis and characterization of new photocatalysts under visible light
12h20 14h00		<i>Lunch*</i>
14h00 14h20	<b>Guru Karthikeyan Thirunavukkarasu</b> CU Bratislava	Transition metal modified TiO <sub>2</sub> nanostructures: preparation, characterization and photo-induced degradation of organic pollutants
14h20 14h40	<b>Daqing Jia</b> ICCF	The use of manganese oxides for wastewaters treatment via AOPs
14h40 15h00	<b>Prof. Jan Hives</b> STU Bratislava	Electrochemical production of ferrate (VI)
15h00 15h20	<b>Dr. Olivier Monfort</b> CU Bratislava	The ferrate and its decomposition products in AOPs: degradation of bisphenol A in municipal wastewaters
15h20 15h50		<i>Coffee break</i>
15h50 16h45	<b>Department of Experimental Physics</b> CU Bratislava	Excursion** at the <i>Department of Experimental Physics</i> (laboratory for materials characterization)
16h45 17h30		<b>Discussion on future collaborations</b>

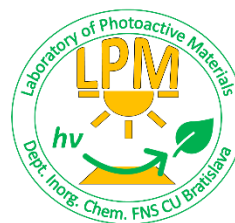
\* The lunch is not included in the workshop

\*\* The excursion is reserved for the speakers (and accompanying persons) of the workshop.

**Organisation:** Department of Inorganic Chemistry, FNS CU Bratislava



**FACULTY  
OF NATURAL SCIENCES**  
Comenius University  
Bratislava



**Funding:** PARCECO programme



**Invited institutions:**

Institut de Chimie de Clermont-Ferrand - Université Clermont Auvergne and CNRS



Université de Lille



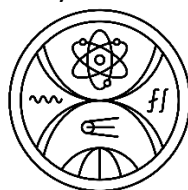
Slovak University of Technology in Bratislava (STU)



Slovak Academy of Sciences (SAS)



Comenius University in Bratislava, Faculty of Mathematics Physics and Informatics



**FACULTY OF MATHEMATICS,  
PHYSICS AND INFORMATICS**  
Comenius University  
Bratislava

Comenius University in Bratislava, Laboratory for Advanced Materials

