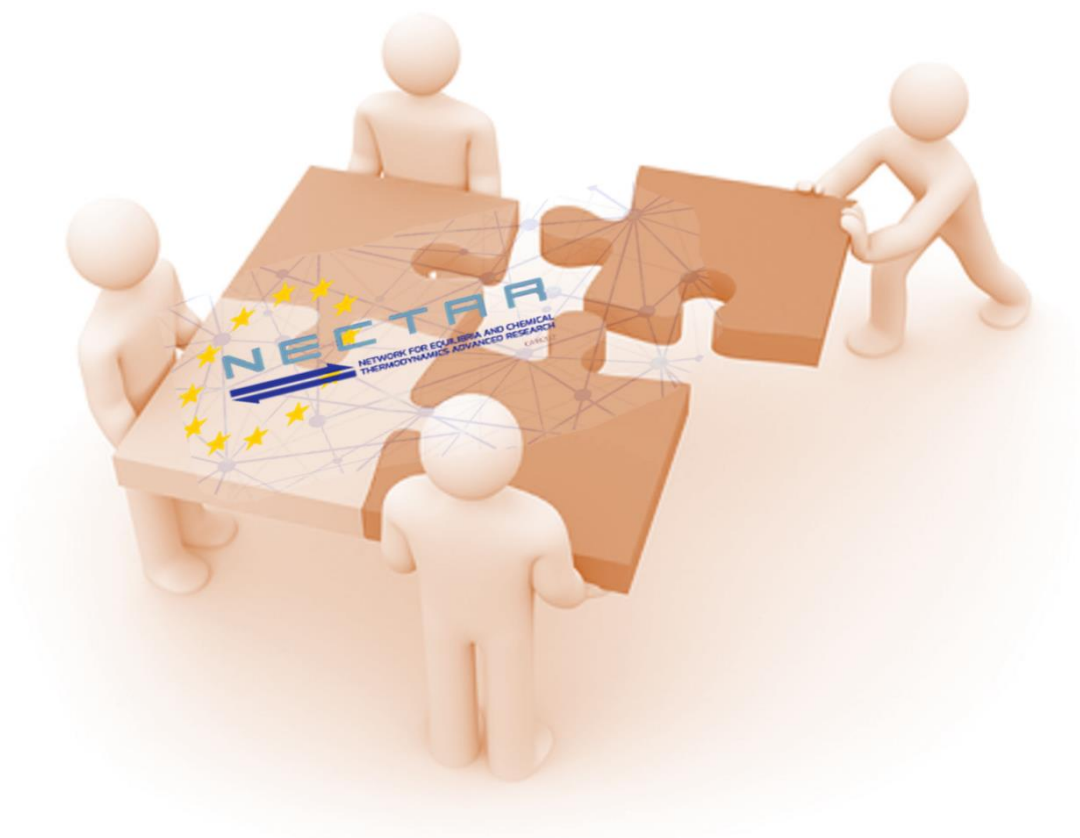




NECTAR's Spring Web-meeting



COST ACTION CA18202- NECTAR: Network for Equilibria
and Chemical Thermodynamics Advanced Research



25th-26th March 2021
ONLINE

It has been one year since all COST-NECTAR members have met to discuss science. The covid-19 pandemic has prevented the organization of traditional conferences.

Some working groups have met regularly but kept isolated from each other. A larger event is needed to share the findings since the last NECTAR conference. The NECTAR's Spring Web-meeting 2021 will be two informal afternoon dedicated to share and discuss the activities and results from all NECTAR working groups and NECTAR members.

Please bring your own food and drinks, and enjoy the discussion!

Isabel Cavaco

Scientific Committee

Demetrio Milea, University of Messina, Italy (Action Chair)
Sofia Gama, University of Bialystok, Poland (Action Vice-Chair)
Matteo Tegoni, University of Parma, Italy (STSM Coordinator)
Elzbieta Gumienna-Kontecka, University of Wroclaw, Poland (Science Communication Manager)
Emel Yildiz, Cukurova University, Turkey (ITC Conference Grant Coordinator)
Enrique García-España, University of Valencia (Training Schools Coordinator)
Eva A. Enyedy, University of Szeged, Hungary (Equal Opportunities Manager)
Oreste Todini, P&G, Belgium, ITM (Industry Transfer Manager)
Montserrat Filella, University of Geneva, Switzerland (WG1 leader)
Petr Herman, Universita Karlova, Czech Republic (WG2 leader)
Slodoban Gadžurić, University of Novi Sad, Serbia (WG3 leader)
Aleksandar Cvetkoski, Goce Delcev University, Macedonia (WG4 leader)
Isabel Cavaco, Universidade do Algarve, Portugal (WG5 leader)

Organizing Committee

Sofia Gama, University of Bialystok, Poland (Action Vice-Chair)
Elzbieta Gumienna-Kontecka, University of Wroclaw, Poland (Science Communication Manager)
Isabel Cavaco, Universidade do Algarve, Portugal (WG5 leader)
Natalia Busto, Universidad de Burgos, Spain (WG5 co-leader)
Montserrat Filella, University of Geneva, Switzerland (WG1 leader)
Olga Iranzo, Institut des Sciences Moléculaires de Marseille, France (WG2 co-leader)
Petr Herman, Universita Karlova, Czech Republic (WG2 leader)
Amelia Santos, Instituto Superior Técnico, Portugal (WG2 co-leader)
Aleksandar Cvetkoski, Goce Delcev University, Macedonia (WG4 leader)
Winfried Plass, Friedrich Schiller University Jena, Germany (WG4 co-leader)



NECTAR's Spring Web-meeting Program



Thursday, 25th March 2021

14:00	Opening Ceremony
14:05	WG1: NECTAR for Challenging Cations – State of the Art <i>Montserrat Fillela (WG1 Leader)</i> <i>Olga Iranzo (WG1 co-Leader)</i>
14:15	<i>Preliminary studies of vanadium and sulfide/polysulfide system</i> Elvira Bura Nakić (<i>Rudjer Boskovic Institute, Croatia</i>)
	Hydrolytic equilibria of gallium ions - a necessity in coordination studies of novel DFO E analogues complexes for infection imaging Andrzej Mular (<i>University of Wroclaw, Poland</i>)
	U(IV) hydrolysis: can we study it by spectrophotometry and potentiometry? Vladimir Sladkov (<i>Laboratoire de Physique des 2 Infinis Irène Joliot-Curie, France</i>)
	State of art and advances on the definition of Fe ³⁺ hydrolysis Demetrio Milea (<i>Università degli Studi di Messina, Italy</i>)
	DISCUSSION

14:45	<p>WG2: NECTAR for Challenging Ligands -State of the Art</p> <p>Petr Hermann (WG2 Leader)</p>
	<p>Polydentate ligands (TG1) State of the Art <i>Petr Hermann (Charles University in Prague, Czech Republic)</i></p>
	<p>Metal - DNA Interactions (TG2) State of the Art <i>Tarita Biver (Università degli Studi di Pisa, Italy)</i></p>
15:00	<p>Zincophore metal binding sites: from solution equilibria to metal transport in human pathogens <i>Denisse Bellotti (Università degli Studi di Ferrara, Italy)</i></p>
	<p>Development and investigation of novel anticancer thiosemicarbazones and their copper complexes <i>Eva A. Enyedy (University of Szeged, Hungary)</i></p>
	<p>Transition metal complexes of Schiff base ligands as selective G-quadruplex DNA binders. <i>Gianluca Farine (Università degli Studi di Palermo, Italy)</i></p>
	<p>New and ready biodegradable phosphonates <i>Stephan Liebsch (Schimmer & Schwarz Mohsdorf GmbH & Co. KG)</i></p>
	<p>Luminescent Sensor Based on Ln(III) Ternary Complexes for NAD(P)H Detection <i>Přemysl Lubal (Masaryk University, Brno, Czech Republic)</i></p>
	<p>Strong complexes bearing labile ligands: challenges in catalysis with supported metal complexes <i>Matteo Savastano (University of Florence, Italy)</i></p>
	<p>Metal-enhanced antimicrobial peptides from marine creatures <i>Adriana Miller (University of Wroclaw, Poland)</i></p>
	DISCUSSION

15:45	<p>WG3: NECTAR multicomponent solutions and complex matrices - State of the Art</p> <p>Slodoban Gadžurić (WG3 Leader)</p>
15:50	<p>A calorimetric study of the alkali COSAN salts' self-assembly in aqueous solutions Žiga Medoš (University of Ljubljana, Slovenia)</p>
	<p>Acidity constants of zwitterionic ionic liquid Nikolett Bagany (University of Novi Sad, Serbia)</p>
	<p>Thermodynamic study of the micellization process of functionalized surface-active ionic liquids task-specific for extraction of technologically critical elements Tatjana Trtić-Petrović (University of Belgrade, Serbia)</p>
	<p>Interactions of pharmaceutically active ionic liquids with DNA and BSA Aleksandar Tot (University of Novi Sad, Serbia)</p>
	<p>Thermodynamic studies of interactions in aqueous solutions of ionic liquids based on the local anaesthetic drugs and salicylic acid Jovana Panić (University of Novi Sad, Serbia)</p>
	DISCUSSION

16:25	Coffe Break
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16:35	<i>WG4: NECTAR Tools, Services and Facilities - State of the Art</i> <i>Aleksandar Cvetkovski (WG4 Leader)</i>
16:40	<i>An open source software for potentiometric data analysis</i> <i>Silvia Berto</i> (<i>University of Turin, Italy</i>)
	<i>Spectrapp: an open source software to interpret spectroscopic data using chemometric strategies</i> <i>Eugenio Alladio</i> (<i>University of Turin, Italy</i>)
	DISCUSSION

17:00	<i>Overview of STSMs</i> <i>Matteo Tegoni (STSM Manager)</i>
17:05	<i>Synthesis of bioinspired metallopeptides and study of their catalytic properties in oxidation reactions</i> <i>Silvia Gentili</i> (<i>University of Parma, Italy</i>)
	<i>New efficient chelators for Zr-89 radiometal: design, synthesis and thermodynamic properties</i> <i>Yuliya Toporivska</i> (<i>University of Wroclaw, Poland</i>)
	<i>Complexation of V(IV) and V(V) with succinic and oxalic acid in aqueous acid solutions using affinity capillary electrophoresis</i> <i>Lucija Knežević</i> (<i>Rudjer Boskovic Institute, Croatia</i>)
	DISCUSSION

17:30	<i>Guidelines on outreach activities</i> <i>Elzbieta Gumienna-Kontecka (SC Manager)</i>
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Friday, 26th March 2021

15:00	<p style="text-align: center;"><i>Working Group Leaders Round Table</i></p> <p>WG1 - Montserrat Fillela WG2 - Petr Hermann WG3 - Slodoban Gadžurić WG4 - Aleksandar Cvetovski WG5 - Isabel Cavaco</p> 
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16:30	<p style="text-align: center;"><i>Management Committee Meeting</i></p>
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18:00	<p style="text-align: center;"><i>Closing Ceremony</i></p>
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For all further information:

Email: wg5@cost-nectar.eu

Visit: <https://www.cost-nectar.eu/symposium2021/>

We are looking
forward to see you
online!!!

