

Program of Third CSIR-NASB Topical Interaction Meeting between CSIR and National Academy of Sciences of Belarus

Topic: Chemical Sciences

February 9, 2023
10.00 by Minsk time
(12.30 IST)

Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MGY5MjhiZGUtMzJjNy00OGE0LWJmODQtNjA0NThiNWNhNDE4%40thread.v2/0?context=%7b%22Tid%22%3a%22b867f20e-8a9c-4603-b5ab-39c3840dfb64%22%2c%22Oid%22%3a%22c751da9d-d595-4da1-b8ff-c04d60cfc91d%22%7d

Moderator from NAS of Belarus:

10.00-10.10 12.30-12.40 (IST)	–	Opening of Topical Interaction Meeting. Opening speeches of NAS of Belarus and CSIR representatives. From NAS of Belarus - Chief Scientific Secretary of the NAS of Belarus Vasiliy L.Hurski From CSIR – The Director of CSIR-Central Salt Marine Chemicals Research Institute (CSIR-CSMCRI), Dr Kannan Srinivasan
10.10-10.20 12.40-12.50 (IST)	–	Presentation of the Director of the Institute of Physical and Organic Chemistry of the NAS of Belarus Acad. Alexandr Bilydukevich « <i>Novel membrane and ion-exchange materials for water purification</i> ».
10.20-10.25 12.50-12.55 (IST)	–	Discussion
10.25-10.35 12.55-13.05 (IST)	–	Presentation of CSIR- Central Salt Marine Chemicals Research Institute (CSIR-CSMCRI) by Dr. Kamalesh Prasad, Senior Principal Scientist and Head, Business Development <i>Title: Research domains and competencies of CSIR-CSMCRI</i>
10.35-10.40 13.05-13.10 (IST)	–	Discussion
10.40-10.50 13.10-13.20 (IST)	–	Presentation of the Director of the Institute of Bioorganic Chemistry of the NAS of Belarus Dr. Aleksei Yantsevich « <i>Research and development of new molecules with targeted biological activity</i> ».
10.50-10.55 13.20-13.25 (IST)	–	Discussion
10.55-11.05 13.25-13.35 (IST)	–	Presentation of the CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Dr. Sutapa Ghosh, Sr. Pr. Scientist <i>Title:</i> <ul style="list-style-type: none">• <i>Functional carbonaceous nanoparticles and doped</i>

		<p>graphene quantum dots based new materials for delivery and multimodal imaging (NIR imaging, T1 MRI, SPECT/PET)</p> <ul style="list-style-type: none"> • Biopolymer based cheap nanocomposites for food packaging applications • Biopolymer-Nanocomposite based Electrospun micro and nano porous membranes for the treatment of Waste water <p><i>Mode of Cooperation:</i></p> <p>1.Focused Experimental/Design Program (focusing on TRL 1-4); Research topic- Theragnostic based on carbon quantum dots(multimodal imaging and therapy).</p> <p>2.Technology Development and Showcase Program (TRL 6-7); Research topic - Micro and nanoporous carbon nanocomposite based biodegradable membranes for water purification.</p> <p>3.Capacity Building and Exchange Visit Program;</p>
11.05-11.10 13.35-13.40 (IST)	–	Discussion
11.10-11.20 13.40-13.50 (IST)	–	Presentation of the Deputy Director for Science and Innovations of the Institute of General and Inorganic Chemistry of NAS of Belarus Dr. Alexander Ratko « <i>Innovative Developments of the Institute of General and Inorganic Chemistry of the National Academy of Sciences of Belarus</i> ».
11.20-11.25 13.50-13.55 (IST)	–	Discussion
11.25-11.35 13.55-14.05 (IST)	–	Presentation from CSIR-National Chemical laboratory, by Dr. T. G. Ajith Kumar, Senior Principal Scientist, Chair, Physical/Materials Chemistry Division and Central NMR Facility Participating Scientists: Dr. S. Kiran, Dr. M. Banu, Dr. Benudhar Punji. <i>Title: Core Areas and Activities of the CSIR-National Chemical laboratory (CSIR-NCL)</i>
11.35-11.40 14.05-14.10 (IST)	–	Discussion
11.40-11.50 14.10-14.20 (IST)	–	Presentation of the Deputy Director for Science and Innovations of the Institute of Chemistry of New Materials of the NAS of Belarus Viktoryia Kulikouskaya « <i>Functional materials based on biopolymers and silver nanoparticles for biomedical applications</i> ».
11.50-11.55 14.20-14.25 (IST)	–	Discussion
11.55-12.05 14.25-14.35 (IST)	–	Presentation of the Chief Scientist CSIR-Institute of Minerals and Materials Technology (CSIR-IMMT), Head of Material Chemistry Department, Dr. L.D. Besra and Chief Scientist Dr. N.K. Dhal, Head, Environment and Sustainability. <i>Title:</i> <i>Nanomaterials for energy conversions and applications and optoelectronic devices; Functional materials for coating and environmental applications; Waste water management; Phytoremediation; Algal CO2 sequestration, Solid waste management</i>

12.05-12.10 14.35-14.40 (IST)	–	Discussion
12.10-12.20 14.40-14.50 (IST)	–	Presentation of the Director of the Institute of Nature Management of the NAS of Belarus Dr. Sergei Lysenko and Deputy Director for Scientific Work of the Institute Alexey Thomson « <i>Products of complex chemical processing of peat to improve soil fertility and environmental protection</i> »
12.20-12.25 14.50-14.55 (IST)	–	Discussion
12.25-12.35 14.55-15.05 (IST)	–	<p>Presentation of CSIR - Central Institute of Mining and Fuel Research (CIMFR) by Dr. M. S. Santosh, Senior Scientist and Head Coal to Hydrogen Energy for Sustainable Solutions</p> <p><i>Title of Presentation:</i></p> <ul style="list-style-type: none"> • <i>Multifunctional Catalysts and Membranes for energy production</i> • <i>Chemical conversion, and sustainable mining activities involving porous carbon materials derived from biomass/coal-derived products,</i> • <i>Nanomaterials, and other composites for energy technologies.</i>
12.35-12.45 15.05-15.15 (IST)	–	Discussion. Summary of Topical Interaction Meeting Results.