

Circular Economy: A Sustainable Innovation Platform for Oil, Gas, and Chemical Industry ☆, *

Workshop Jointly Organised By:

☆ Qatar Environment and Energy Research Institute (QEERI), HBKU, Qatar Foundation

* Rosneft International Center for Research and Development QSTP-LLC, Qatar

Sustainable Chemical Industry



Bio-Refinery & Bio-Derived Feedstock

Carbon Neutral Processes



Plastic Recycling to Chemical Feedstock

ICSEWEN-21

November 23-24, 2021, Doha, Qatar
<https://www.hbku.edu.qa/en/ICSEWEN21>

Chair ICSEWEN-21: Jenny Lawler, PhD.

Workshop Chair: Sarim Dastgir, DPhil. (oxon)

Workshop Co-Chair: Rustam Alparov

👉 For ICSEWEN21 Information, Sponsorship & Advertisement packages, contact:
qeeri-icsewen@hbku.edu.qa

Тема: Экономика замкнутого цикла: Возможности для устойчивого развития и инноваций в нефтегазовой и химической промышленности[☆], *

Организаторы:

- ☆ Qatar Environment and Energy Research Institute (QEERI), HBKU, Qatar Foundation
- * Rosneft International Center for Research and Development QSTP-LLC, Qatar

Устойчивая химическая отрасль



НПЗ на био-сырье

Конференция ICSEWEN-21:

23-24 ноября 2021г., Доха, Катар

<https://www.hbku.edu.qa/en/ICSEWEN21>

Председатель ICSEWEN-21: Проф. Дженни Лолер.

Председатель семинара: Проф. Сарим Дастгир
(Оксфордский университет)

Сопредседатель семинара: Рустам Алпаров

Углерод-нейтральные процессы



**Переработка пластмассы с
целью получения сырья
для химической продукции**

👉 По вопросам спонсорских и рекламных пакетов просьба обращаться по контактам:
qeeri-icsewen@hbku.edu.qa

الاقتصاد الدائري: منصة الابتكار المستدام لقطاع النفط والغاز والصناعات الكيميائية

ورشة عمل مشتركة ينظمها:

معهد قطر لبحوث البيئة والطاقة، جامعة حمد بن خليفة، مؤسسة قطر
مركز روسنفت الدولي للبحوث والتطوير، واحة قطر للعلوم والتكنولوجيا، ذ.م.م.، قطر

الصناعات الكيميائية المستدامة

العمليات الكربونية المحايدة



مصفاة حيوية ومواد خام مشتقة
من المواد الحيوية

إعادة تدوير البلاستيك وتحويله
لمواد

المؤتمر الدولي لعلاقة الترابط المستدامة بين الطاقة والمياه والبيئة 2021
24-23 نوفمبر 2021، الدوحة، قطر

رئيس المؤتمر: الدكتورة جيني لولر
رئيس الورشة: الدكتور صارم داستجير (جامعة أكسفورد)
رئيس ورشة مشارك: رستم ألباروف

للمزيد من المعلومات عن المؤتمر وعروض
الرعاية والإعلان،

qeeri-icsewen@hbku.edu.qa

QEERI-ROSNEFT Joint Workshop

Circular Economy: A Sustainable Innovation Platform for Oil, Gas, and Chemical Industry

AGENDA

23 November 2021	
Session Chair: Dr. Sarim Dastgir, Qatar Environment and Energy Research Institute	
09:20 – 09:30	Opening Remarks and Welcoming Speech Dr. Marc Vermeersch , Executive Director, Qatar Environment and Energy Research Institute
09:30 – 09:40	Opening Remarks & Welcome Speech (Co-Sponsor) Erik Dzhordzhashvili , General Director at Rosneft International Centre for Research and Development QSTP – LLC
09:40 – 10:20	Keynote Speech: Sustainable Hydrogen for Energy, Fuel and Commodity Applications Salim Mousallam , Executive Director, Decarbonization Strategy & Partnerships, GE Gas Power, Europe, Middle East & Africa
10:20 – 11:00	Keynote Speech: Role of Carbon Management in Net Zero Scenario Dr. Veronica Bermudez , Senior Research Director, Energy Centre, Qatar Environment and Energy Research Institute.
DAY-1 Morning Session	
From Waste to Resource – Development of Sustainable Petrochemical Feedstock	
Session Chair: Dr. Alessandro Sinopoli , Qatar Environment & Energy Research Institute	
11:15 – 12:00	Keynote Speech: Cultivation of microalgae as a source of raw materials for petrochemical processing. Dr. Maria A. Sinetova , Head of the Laboratory of Eco physiology of Microalgae, Institute of Plant Physiology, Russian Academy of Sciences

12:00 – 12:30	<i>A Low Carbon Chemical Industry Towards a Net-Zero Emission, Qatar Case Study</i> Dr. Abdulkarem Amhamed , Project Director CO ₂ Cluster, QEERI Energy Centre.
12:30 – 13:00	<i>Photobioreactors for intensive cultivation of biomass feedstock using cyanobacteria</i> Boris V. Gabel , Engineer, K.A. Timiryazev Institute of Plant Physiology, Russia
13:00 – 13:30	<i>Energy efficient method for producing cellulose filaments of Lyocell-type.</i> Prof. Dr. Valeriy G. Kulichikhin , Head of Rheology laboratory, Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science
13:30 – 14:00	Lunch Break
DAY-1 Afternoon Session: Chemical Processing of Sustainable Feedstock to Valuable Chemical and Petrochemicals Session Chair: Dr. Abdulkarem I. Amhamed , Qatar Environment and Energy Research Institute	
14:00– 14:30	<i>A method of producing glycols based on saccharides of plant origin.</i> Prof. Dr. Anton L. Maximov , General director, Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science
14:30 – 15:00	<i>A method of producing glycerol ketals based on polysaccharides for environment friendly solvents and components of fuel.</i> Dr. Vadim O. Samoilov , Research Scientist, Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science
15:00 – 15:30	<i>Production of polylactic acid polymers from bio-feed.</i> Dr. Dmitry V. Marochkin , Deputy head of Oxo-products laboratory, LLC “Rosneft Research and Development Center”
15:30 – 16:15	Keynote Speech: CO₂ Utilisation Systems within An Energy, Food, and Water Nexus Dr. Tareq Al-Ansari , College of Science and Engineering, HBKU

24 November 2021

DAY-2 Morning Session:

Sustainable and Circular Chemical Industry

Session Chair: Dr. Alexander V. Kulik, Deputy Director for Science, LLC "Rosneft United Research and Development Centre" (RN-RDC)

09:15 – 09:45	Keynote Speech: Development of state-of-the-art methods of chemical recycling of polymer waste. Prof. Dr. Anton L. Maximov, General director, Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science
09:45 – 10:15	<i>Gas to X Chemistry for Circular Economy</i> Prof. Dr. Konstantin B. Rudyak, General Director, LLC "Rosneft Research and Development Centre"
10:15 – 10:45	<i>Methane processing into aromatic petrochemical products and hydrogen</i> Dr. Evgeniy V. Korolev, Gas chemistry laboratory, "Rosneft Research and Development Centre"
10:45 – 11:00	Tea Break

DAY-2 Morning Session:

Sustainable and Circular Textile Industry

Session Chair: Dr. Shahid Rasul, Director of Advance Practice, Mechanical Engineering and Textile Circular Economy (Texonomy), Northumbria University

11:00 – 11:30	Keynote: Bringing textile sector into a circular economy model Dr. John Arthur, Director of Strategy, Texonomy, Northumbria University
11:30 – 12:00	<i>Textile Waste: A Secondary Raw Material for High Value Industrial Applications</i> Giuseppe Pezzini, Chief Executive Officer (CEO), PielleItalia, Italy
12:00 – 12:20	<i>The sustainability culture in textile sector</i> Mujeebullah Khan, Chief Executive Officer (CEO), iTextile, Pakistan
12:20 – 12:40	<i>Sustainability in textile industries: From Interloop's perspective</i> Muhammad Fauz-ul-Azeem, Deputy General Manager, Corporate Sustainability & Chemical Management, Interloop, Pakistan

12:40 – 13:40	Panel Discussion: Sustainable and circular textile industry Panellists: • Dr. Veronica Bermudez, Senior Research Director, Energy Centre, Qatar Environment & Energy Research Institute, Qatar • Dr. John Arthur, Director of Strategy - Texonomy, Northumbria University, UK • Mr. Giuseppe Pezzini, CEO, Pielleitalia, Italy • Mr. Mujeebullah Khan, CEO, iTextile, Pakistan • Mr. M. Fauz-ul-Azeem, Deputy General Manager, Interloop, Pakistan Moderator: Dr. Shahid Rasul, Northumbria University, UK
13:40 – 13:50	Closing Remarks: Dr. Marc Vermeersch, Executive Director, QEERI