



## Engineering School, Federal University of Rio de Janeiro – Institute of Environmental Engineering, RUDN University

### First Online Seminar

**Date/time:** February 16, 2022 at 11 a.m. (Rio de Janeiro) 5 p.m. (Moscow)

**Place:** Online

**Work Language:** English

**Meeting Link:**

<https://us06web.zoom.us/j/7649089674?pwd=aHB3UUlmRHJoY0xRSIFHUGZCWDJuZz09>

### AGENDA

**Moderators: Popkova Anna (RUDN University) | Dr. Ofelia Q.F. Araujo (Federal University of Rio de Janeiro)**

5.00 – 5.15 p.m.	<i>Welcome remarks Introducing the Participants</i>	Moderators
5.15 – 5.25 p.m.	<i>Institute of Environmental Engineering, RUDN University: General Information, Main Directions in Science and Education</i>	Popkova Anna
5.25 – 5.35 p.m.	<i>Graduate Program in Environmental Engineering, Federal University of Rio de Janeiro: General Information, Main Directions in Science and Education</i>	Dr. Ofelia Q.F. Araujo
5.35 – 5.45 p.m.	<i>The experience in Massive Open Online Courses Development: Case Study of the Institute of Environmental Engineering</i>	Priscila Jackeline Arias Ordonez

5.45 – 5.55 p.m.	<i>Environmental Safety in the Oil and Gas Complex: Educational Programs and the Monitoring of Hydrocarbon Pollution</i>	Dr Redina Margarita
5.55 – 6.05 p.m.	<i>Processing Biogas from MSW Landfills into Gas Motor Fuel using Methane Gas Hydrates</i>	Dr Lukanin Alexander
6.05 – 6.15 p.m.	<i>Bioorganic Waste Degradation: Environmental Aspects of Volatile Organic Substances Formation</i>	Dr Kharlamova Marianna
6.15 – 6.25 p.m.	<i>Circular Economy in Waste Management</i>	Dr Kurbatova Anna
6.25 – 6.35 p.m.	<i>Industrial Wastewater Treatment using Micromixing Reactor</i>	Basamykina Alena
6.35 – 6.45 p.m.	<i>Sustainable Urban Development: Geoecological Assessment of Urban Areas</i>	Dr Stanis Elena
6.45 – 6.55 p.m.	<i>How to Reduce Nutrients Emissions From Agriculture for a Healthy Environment and Sustainable Agriculture?</i>	Dr Rebuch Nazih Yasser
6.55 – 7.05 p.m.	<i>Energy transition and sustainability</i>	Dr Ofelia Araujo
7.05 – 7.15 p.m.	<i>Carbon Capture and Utilization</i>	Dr George Victor Brigagao
7.15 – 7.25 p.m.	<i>Process Systems Engineering and Digital Technologies for Renewable Energy</i>	Dr Argimiro Rezende Secchi
7.25 – 7.35 p.m.	<i>Challenges for the technological development of the sanitary sewage system in Rio de Janeiro</i>	Dr Isaac Volschan Jr
7.35 – 7.45 p.m.	<i>Nutrients recovery from the supernatant of anaerobic sludge digestion</i>	Dr Lidia Yokoyama
7.45 – 7.55 p.m.	<i>Sustainability in Agriculture</i>	Dr Eduardo Serra
7.55 – 8.05 p.m.	<i>Understanding the Sustainability of Circular Economy and Waste Management Solutions Through Environmental and Social LCA</i>	Dr Bettina Susanne Hoffmann
8.05 – 8.15 p.m.	<i>Academic Communication without Borders: English Medium Education to Bridge Internationalization Gaps</i>	Dr Ana Luiza Freitas MSc Cristina Gibk
8.15 – 8.30 p.m.	Q&A, Conclusion and next Steps	All participants

Recorded Presentation	<i>Non-metallic materials used in oil and gas industry</i>	Dra. Ana Lucia Nazareth da Silva
Recorded Presentation	<i>Removal of emerging micropollutants and microcontaminants</i>	Dr Fabiana V. da Fonseca
Recorded Presentation	<i>Sustainability in Food Supply Chains</i>	Dr Fabio Almeida Oroski
Recorded Presentation	<i>Monitoring of Aquatic Biodiversity. Taxonomy, distribution and abundance of Plankton in Southwest Atlantic Oceans</i>	Dr. Sergio L. C. Bonecker
Recorded Presentation	<i>Qualification for sustainability: School, University and Community hand in hand</i>	Dr Cristina A. G. Nassar