



International Arctic School, HIT, Summer 2021

(IAS-HIT-eSummer 2021)

POPs and Chemicals of Emerging Arctic Concern (CEACs) in the Arctic under Climate Change

Courses and Lectures

Platform: Zoom

The first week

Time	Lectures	Teacher	备注
July 12, 2021 (Monday)			
14:00- 15:30	Open Ceremony		
15:45- 17:30	Trends and effects of pollution and climate change on Arctic ecosystems and humans	Reiersen, Lars-Otto	
18:30- 20:15	Local sources of contaminants in Arctic environment	Kallenborn, Roland	
20:30- 22:15	Legacy and emerging contaminants in the Arctic	Muir, Derek	
July 13, 2021 (Tuesday)			

Time	Lectures	Teacher	备注
13:45-15:30	Modelling atmospheric transport of contaminants to the Arctic	Hansen, Kaj Mantzius	
15:45-17:30	Trends and effects of pollution and climate change on Arctic ecosystems and humans	Reiersen, Lars-Otto	
18:30-20:15	Local sources of contaminants in Arctic environment	Kallenborn, Roland	
20:30-22:15	Legacy and emerging contaminants in the Arctic	Muir, Derek	
July 14, 2021 (Wednesday)			
13:45-15:30	Persistent organic pollutants in polar regions: occurrence, variations, sources and bioaccumulation	Zhang, Qing-Hua	
15:45-17:30	Trends and effects of pollution and climate change on Arctic ecosystems and humans	Reiersen, Lars-Otto	
18:30-20:15	Local sources of contaminants in Arctic environment	Kallenborn, Roland	
20:30-22:15	Legacy and emerging contaminants in the Arctic	Muir, Derek	
July 15, 2021 (Thursday)			
13:45-15:30	Microfluidic devices – A useful tool for screening and detection of microorganism	Sun, Kai	
15:45-17:30	Trends and effects of pollution and climate change on Arctic ecosystems and humans	Reiersen, Lars-Otto	
18:30-20:15	Local sources of contaminants in Arctic environment	Kallenborn, Roland	
20:30-22:15	Legacy and emerging contaminants in the Arctic	Muir, Derek	

Time	Lectures	Teacher	备注
July 16, 2021 (Friday)			
13:45-15:30	Indoor environment and human health in cold regions	Liu, Li-Yan	
15:45-17:30	Regional cycling of persistent organic pollutants on the third pole	Wang, Xiao-Ping	
18:30-20:15	Long-term monitoring of POPs in an Arctic influenced by climate change	Vorkamp, Katrin	
20:30-22:15	Reproductive and environmental health in the Arctic	Odland, Jon Øyvind	

The second week

Time	Lectures	Teacher	备注
July 19, 2021 (Monday)			
13:45-15:30	Organic pollutants in the changing environments: From the North Pacific to the Arctic	Cai, Ming-Gang	
15:45-17:30	Contaminants in Arctic environment due to long-range transport	Li, Yi-Fan	
18:30-20:15	Conventional water and wastewater treatment in Cold Climates	Ratnaweera, Harsha	
20:30-22:15	Human Capacity Building in the North – The Role of Higher Education Cooperation	Markusson, Pål	
July 20, 2021 (Tuesday)			

Time	Lectures	Teacher	备注
13:45-15:30	Global food trade as a new pathway of POPs transport	Ma, Jian-Min	
15:45-17:30	Contaminants in Arctic environment due to long-range transport	Li, Yi-Fan	
18:30-20:15	Conventional water and wastewater treatment in Cold Climates	Ratnaweera, Harsha	
20:30-22:15	Science Diplomacy in Arctic Climate Governance: Based on Interviews with Chinese Scientists on the Arctic	Xu, Qing-Chao	
July 21, 2021 (Wednesday)			
13:45-15:30	Introduction to Arctic ecosystems	Nikolaev, Anatoly N.	
15:45-17:30	Contaminants in Arctic environment due to long-range transport	Li, Yi-Fan	
18:30-20:15	Arctic POPS/CEC LRT: Knowledge Gaps & Cooperative Research Opportunities	Bartlett, Paul	
20:30-22:15	China and the world work together to tackle global environmental crisis-Take the Stockholm Convention as an example	Hu, Jian-Xin	
July 22, 2021 (Thursday)			
13:45-15:30	Introduction to Arctic ecosystems	Nikolaev, Anatoly N.	
15:45-17:30	Polar microbial ecosystem and anaerobic biotechnology	Xing, De-Feng	
18:30-20:15	Contaminants in Arctic environment due to long-range transport	Li, Yi-Fan	
20:30-22:15	Climate change and its impact to local population of the Arctic region of Russia	Savvinova, Antonina	

Time	Lectures	Teacher	备注
July 23, 2021 (Friday)			
13:45- 15:30	Sources and molecular composition of organic aerosols in the polar regions	Fu, Ping-Qing	
15:45- 17:30	Great Ice Melting: Some thoughts inspired by documentary images and human observation from more than 180 Arctic settlements	Wang, Jian-Nan	
18:30- 20:15	The Rapid Decadal acidificaiton in the Arctic OCEAN and its implication in the Global OCEAN ACIDIFICATION	Chen, Li-Qi	
20:30- 22:15	Closing Ceremony		