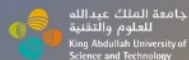


KAUST Analytical Chemistry Core Lab presents:

2021 Virtual Technical Lectures

April 5 to 7, 2021
on ZOOM



جامعة الملك عبد الله
للعلوم والتقنية
King Abdulrahman University of
Science and Technology

Core Labs and
Research Infrastructure

KAUST Analytical Chemistry Core Lab (ACL) presents: 2021 ACL Virtual Technical Lectures

Technical Symposium:

Materials Characterization by Gas/Vapor Sorption and Thermal Analysis Techniques

Monday, April 5 [9:00 to 11:00 a.m. and 2:00 to 4:00 p.m. KSA time]

Tuesday, April 6 [9:00 to 10:45 a.m. and 2:00 to 5:00 p.m. KSA time]

During the two-day event, presenters from ACL and [TA Instruments](#) will discuss the principles and instrumentations of physisorption, chemisorption and thermal analyses of materials, including BET surface area; porosimetry; isothermal chemisorption (static and dynamic); temperature programmed analysis (TPD and TPSR); thermogravimetric analysis (TGA); thermal stability and transition; and evolved gas analysis using coupling techniques .

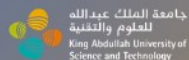
The first day of lectures will cover theory and fundamentals, and the second day will cover sample preparation and experimental procedures.



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Environmental Analysis Workshop:

Analysis of Trace Metals and Polycyclic Aromatic Hydrocarbons in Sediments and Water

Wednesday, April 7 [1:15 to 5:00 p.m. KSA time]

During the event, presenters from ACL and invited speakers from [LCTech](#) and [Elemental Scientific](#) will focus on topics related to the analysis of two environmental contaminants—trace metals and polycyclic aromatic hydrocarbons (PAHs)—in sediments and water. ACL's scientists will discuss an analytical method used in ACL to determine PAHs in sediments.

LCTech's speaker will present the versatility of its robotic sample preparation system called "[FREESTYLE XANA](#)" to analyze PAHs in water.

Elemental Scientific's speaker will introduce the use of the [seaFAST](#) sample preparation system for the analysis of trace metals in seawater and in other high-matrix samples.