

# ACL

## Analytical Chemistry Core Laboratory

SUPPLYING ADVANCED TECHNIQUES FOR CUSTOM AND  
ROUTINE CHEMICAL ANALYSIS

### TECHNICAL SEMINAR series

Every Monday, 11:00 a.m. — 11:45 a.m. (KSA time)

Zoom link: <https://kaust.zoom.us/j/98125880850>

June 15, 2020

**INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY (ICP-MS):  
PRINCIPLES AND APPLICATIONS**

Klimentsi Cherviakaouski

June 22, 2020

**DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN  
FISH TISSUES BY GC MS/MS**

Patricia Lopez Sanchez

June 29, 2020

**MATERIAL CHARACTERIZATION USING ADVANCED THERMAL  
ANALYSIS TECHNIQUES**

Mustafa Altunkaya

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July 6, 2020

**CHROMATOGRAPHY & MASS SPECTROMETRY: PRINCIPLES AND  
APPLICATIONS**

Vasilios Samaras

July 13, 2020

**FUNDAMENTALS AND APPLICATIONS OF FOURIER TRANSFORM  
ION CYCLOTRON RESONANCE MASS SPECTROMETRY**

Wen Zhang

July 20, 2020

**INTRODUCTION TO CHEMICAL ADSORPTION (CHEMISORPTION)  
ANALYTICAL TECHNIQUES AND METHODS FOR CATALYSTS  
CHARACTERIZATION**

Omar El Tall

July 27, 2020

**INTRODUCTION TO THE NEW UPLC-MSMS TSQ ALTIS INSTRUMENT**

Salim Sioud



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**August 10, 2020**    **INTRODUCTION TO GC/MS BASE METABOLOMICS**

Najeh M. Kharbatia

**August 17, 2020**    **ORGANIC ELEMENTAL ANALYSIS BY CHNS/O ANALYZER**

Eman Barradah

**INTRODUCTION TO GPC AND ITS APPLICATIONS**

Miriam Amah

**August 24, 2020**    **COUNTING AND SIZING NANOPARTICLES BY SINGLE PARTICLE  
ICP-MS**

Jingyu Liu

**August 31, 2020**    **CHARACTERIZATION OF POROUS MATERIALS BY PHYSISORPTION  
TECHNIQUES: THE BET METHOD AND TEXTURAL PROPERTIES**

Jose N. Primera-Pedrozo

**September 7, 2020**    **HOW TO IMPROVE YOUR TRACE ELEMENT ANALYSIS BY ICP-OES**

Mohammed Khalid