

POSTER SESSION

Scientific Program Day 1 12 January 2027

Scientific Program Day 2 13 January 2027

Poster Session

01
Immunoprecipitation Based on Freely Diffusing Biotinylated-Protein a and Avidin: Protein Purification in the Absence of a Polymer Resin Substrate
Syeed Ghulam Razi
Ariel University, Ariel, Israel

02
Zepto-Molar Detection of Biomarkers
Anjali Kumari
Ariel University, Ariel, Israel

03
Understanding the Causes of Filter Clogging: the Role of Oil–Water Emulsions, Contamination, and System Degradation
Adva Cohen
Ministry of Defense, Yehud-Monosson, Israel

04
Unmasking the Source: Molecular Fingerprinting of Trace Elastomeric Degradation in Liquid Fuels
Jonathan Prilusky
Ministry of Defense, Israel

05
Beyond Identification: DSC as a Probe of Crosslink History in an Used Thermoset
Yehonatan Moller
MOD, Israel

06
Unambiguous Molecular Ion Determination Using GC-MS with Cold EI
Alex Yakovchuk
Tel Aviv University, Tel Aviv, Israel

07
Determination of Methylphosphonofluoridic Acid in the Environment by Derivatization and LC/MS/MS Analysis
Chen Belay Joskowicz
IIBR, Kfar Bilu, Israel

08
De Novo Structure Generation from Mass Spectrometry with Ensemble Learning
Nir Cohen
IIBR, Ness Ziona, Israel

09
From Galactose to Carrageenan-Based Biosensing: Synthesis, Surface Functionalization, and Characterization
Yonatan Sukhran
The Hebrew University of Jerusalem, Jerusalem, Israel

10
Optimizing Meta-Chemical Surfaces for Heavy-Metal Sensing in Complex Aqueous Matrices
Ron Peretz
Sami Shamoon College of Engineering and Ariel University, Netivot, Israel

11
Adsorption of Ciprofloxacin Hydrochloride onto Different Types of Microplastics under Simulated Seawater Conditions
Imeda Rubashvili
Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia

12
Automated Nanoscale Cluster Characterization of Meta-Chemical Surfaces via Foundation Vision Models
Amit Efraim
Sami Shamoon College of Engineering, Beer Sheva, Israel

13
Validating DPN-Patterned Meta-Chemical Surfaces for Trace Lead Detection in Real Drinking Water via Standard Addition
Moshe Zohar
Sami Shamoon College of Engineering, Beer Sheva, Israel

14
Combination of Spectral Data Preprocessing Methods for Monitoring Mango Cultivar Analysis
Joseph Dubrovkin
Western Galilee College, Zikhron Yakov, Israel

15
The Detectability of Randomly Acquired Characteristics on Shoe Soles
Aviad Levi
Division of Identification and Forensic Science, Maale Adumim, Israel