

Field of Engineering

First workshop

Hands-On Scanning Electron Microscope : Principles and Applications

September 19th, 2023

9:30 – 11:00	<i>Registration</i>
11:05 – 11:30	<i>Opening / Welcome Remarks, Prof. Affaf Al-Oufy (Faculty Dean)</i>
11:30 – 12:00	<i>SEM an eye on the world of nanomaterials, Prof. Affaf Al-Oufy, Prof. of Advanced materials & Nanotechnology</i>
12:00 – 1:00	Lunch Break
1:00 – 2:30	<i>Scanning Electron Microscope Principles and Operation Conditions, Dr. Khaled Elsayed.</i>
2:45 – 4:30	<i>Hands on sample preparation/ SEM Demonstration, Dr. Khaled Elsayed.</i>

September 20th, 2023

9:30 – 10:30	<i>Microscopic characterization of nanoscale drug carriers, Prof. Radwa Hassan (Nanoscience program director, Faculty of Science)</i>
10:40 – 11:40	<i>Efficient C-O and C-N bond forming cross-coupling reactions catalyzed by core-shell structured Cu/Cu₂O nanowires, Dr. Ahmed El-Shiwey, Faculty of Pharmacy.</i>
12:00 – 1:00	Lunch Break
1:30 – 4:30	<i>Practical session (Investigation of different types of samples), Dr. Khaled Elsayed.</i>

September 21st, 2023

10:00 – 10:30	<i>Closing remarks</i>
10:30 – 11:00	<i>Presentation of certificates</i>
11:10 – 11:30	<i>Group Photo</i>

Eligibility: MSc/PhD students, Researchers from Academia and Industries and Post-doctors.

REGISTRATION FEE: 2500 EGP (covering full accommodation & testing a sample for each participant)

Limited to 10 participants ONLY!

