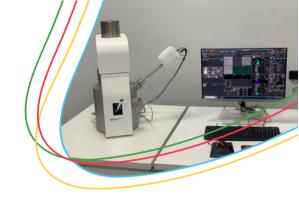
Field of Engineering

First workshop

Hands-On Scanning Electron Microscope: Principles and Applications

September 19th, 2023



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

September 20th, 2023

	Microscopic characterization of nanoscale drug carriers, Prof. Radwa Hassan (Nanoscience program director, Faculty of Science)
10:40 – 11:40	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.
12:00 – 1:00	Lunch Break
1:30 - 4:30	Practical session (Investigation of different types of samples), Dr. Khaled Elsayed.

September 21st, 2023

10:00 - 10:30	Closing remarks
10:30 - 11:00	Presentation of certificates
11:10 - 11:30	Group Photo

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

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

<u>Limited to 10 participants ONLY!</u>



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