# Workshop Schedule

## Workshop No. 1

## Magnetite Nanoparticles Preparation, Characterization and Applications

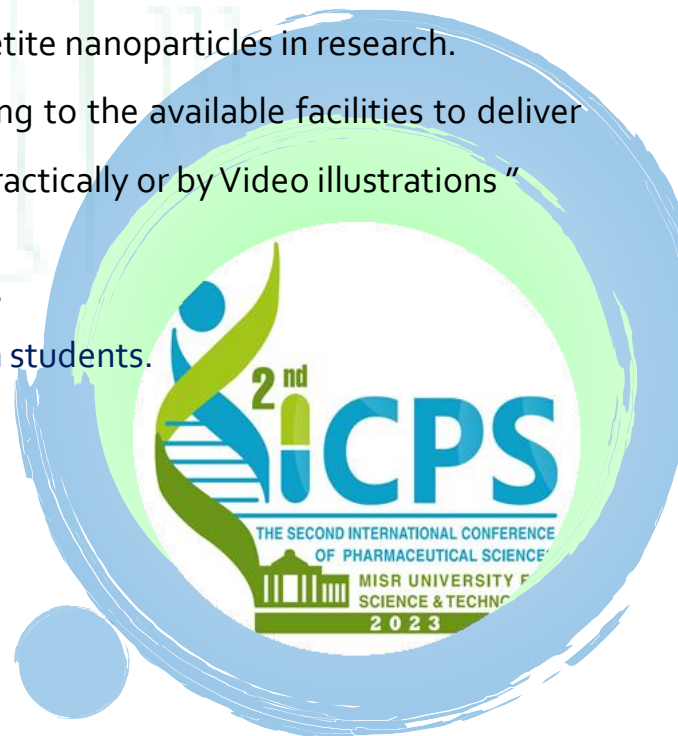| Fees | Time | Day |
|------|------|-----|
| **400** EGP | **10** AM **- 05** PM | **11/7** |

### Name of the Presenter

Dr. Hatem Mokhtar
Pharmaceutical Sciences (Analytical Chemistry),
2020 Lecturer of Pharmaceutical Analytical Chemistry,
Faculty of Pharmacy, Sinai University

### Topics to be Covered

- The origin of superparamagnetic behavior.
- Massart method for magnetite superparamagnetic nanoparticles preparation (Optional practical session*).
- Modification of magnetite nanoparticles surface.
- Required characterization tests and their interpretation.
- Applications of magnetite nanoparticles in research.

  " It is optional according to the available facilities to deliver the workshop either practically or by Video illustrations "

### Targeted Audience

- Academic researchers.
- Postgraduate research students.

# Workshop Schedule

## Workshop No. 2

### Know strategy fight allergy (Risk management of drug allergy)

### Tools and implementation

| Fees | Time | Day |
|------|------|-----|
| **200** EGP | **09** AM **- 12** PM | **12/7** |

**Name of the Presenter**

Dr. Islam Usama
Pharmacovigilance manager, QPPV
Dr. Gehan El-Hefny
Medical affairs General manager at MUP

**Topics to be Covered**

- pharmacovigilance Scope & tools.
- Counterfeit prevention.
- Pharmacovigilance History and awareness.
- Drug safety.

**Targeted Audience**

- Graduate and Undergraduate.

# Workshop Schedule

## Workshop No. 3

### Designing More Efficient and Effective Experiments for Researchers

| Fees | Time | Day |
|------|------|-----|
| **400** EGP | **10** AM **- 05** PM | **12/7** |

**Name of the Presenter**

Dr. Mahmoud Elkhoudary
Associate professor of pharmaceutical analytical chemistry –
Faculty of pharmacy – Galala University

**Topics to be Covered**

- Implement the DOE planning process.
- Understand the motivation for factorial designs.
- Interpret analysis of variance (ANOVA).
- Discover hidden interactions.
- Capitalize on efficient small-run fractional designs for screening or characterization.
- Use power to properly size designs:
    1. Follow the strategy of experimentation from screening to response surface methods.
    2. Set up central composite (CCD) and optimal designs.
    3. Select appropriate regression models with model reduction.
    4. Optimize multiple responses.

**Targeted Audience:**

- Pharmaceutics, Pharmaceutical Analytical Chemistry.
- Formulators and experimenters from different specialties.