



✓ **Name and Title:** PhD /Roxane Abdel-Gawad Moussa Serag El-Dine

✓ **Official e-mail:** Roxanne_abdelgawad@pharma.asu.edu.eg

✓ **Affiliation:**

1. Instructor at Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University (2024)
2. Teaching assistant at Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Ain Shams University (2016)
3. Bachelor of Pharmaceutical Sciences, Faculty of Pharmacy, Ain Shams University (June 2008)

✓ **Research Interest:**

Metallic nanoparticles (gold, silver, selenium, diamond, etc..), nanoparticles preparation and characterization, wound healing dressings, gels and hydrogels, dry powder inhalers for pulmonary delivery, PLGA nanoparticles, polymeric nanoparticles.

✓ **Peer reviewer** for a group of international research journals including:

1. Carbohydrate polymers
2. Journal of macromolecular science
3. Carbohydrate polymer technologies and applications
4. Pharmaceutical research.

✓ **H index:** 3

✓ **Citations:** 46

✓ **Published work:**

1. Montelukast spray dried microparticles: preparation, excipients selection and in vitro pulmonary deposition (2015)
2. Lecithin-based modified soft agglomerate composite microparticles for inhalable montelukast: Development, tolerability and pharmacodynamic activity (2020)
3. Wound healing potential of silver nanoparticles embedded in optimized bio-inspired hybridized chitosan soft and dry hydrogel (2024)
4. Advancement in Wound Healing by the Application of Folate Functionalized Metallic Colloidal Antibiotherapy (2024)

5. Polyphenolic protection: the role of mangiferin in mitigating neurodegeneration and neuroinflammation(2025)
6. Therapeutic potential of purpurin, a natural anthraquinone dye, in neuroprotection and neurological disorders (2025)
7. Dual statistical modeling using box behnken and D-optimal designs for optimization of Indocyanine Green conjugated silver nanoparticles and improvement of their associated Photothermal Therapy for application in wound healing (2025)



Pages:

1. **Google Scholar:** [Google Scholar Link](#)
2. **Research Gate:** [Research Gate Link](#)
3. **Orcid:** <https://orcid.org/my-orcid?orcid=0009-0007-9746-5080>
4. **Staff Profile:** <https://www.asu.edu.eg/staffPortal/en/staffProfile/1087>
5. **Academia:** <https://independent.academia.edu/RoxanneAbdelGawad>



Languages:

1. French (first language)
2. English (second language)
3. Arabic (tongue language)



Personal skills:

1. Good communication skills
2. Technical writing
3. Strong teamwork
4. Excellent problem solving skills
5. Excellent attention to details
6. Ability to work under pressure