



Abdelhamid Ahmed El-Sayed Soliman

Work : Libraries Street, Markaz El-Fath, Assiut Governorate, 71516, Assiut, Egypt

Email: abdelhameed-ahmed@aun.edu.eg

Email: abdelhameedahmed111@gmail.com **Phone:** (+65) 93437664

Phone: (+20) 1019809816

Website: <https://www.linkedin.com/in/abdelhamid-ahmed-5ba038203/>

WhatsApp Messenger: <https://wsend.co/201154021171>

Facebook: <https://www.facebook.com/profile.php?id=100019040898271>

LinkedIn: <https://www.linkedin.com/in/abdelhameed-ahmed-5ba038203/>

Gender: Male **Date of birth:** 18 Mar 1998 **Nationality:** Egyptian

WORK EXPERIENCE

[26 Aug 2024 – 25 Dec 2024]

Researcher

Institute of Material Research and Engineering (IMRE), A*STAR

City: Singapore | **Country:** Singapore

1. Synthesis of metal chalcogenide nanomaterials for different energy applications involving HER, OER, and as thermoelectric materials.
2. Using different characterization techniques (SEM, EDX, TEM, and XRD) to confirm the structure, elemental composition, and surface morphology of prepared nanomaterials.
3. Study of thermal and electrochemical properties of prepared nanomaterials (LSV, CV, EIS, Multimeter, and TGA).
4. Data collection and analysis and prepare detailed reports summarizing findings.

[15 Mar 2023 – Current]

University research assistant

Chemistry department, Faculty of Science, Assiut University <https://www.aun.edu.eg/main/>

City: Assiut | **Country:** Egypt | **Email address:** abobark70@aun.edu.eg

1. Conduct literature reviews to stay updated on current trends in chemistry and material science research.
2. Experimental Design and Planning by developing research protocols and organizing experimental workflows
3. Synthesis of new organic compounds and study their properties.
4. Characterization of Compounds Using techniques (NMR, IR, MS, x-ray single crystal) to confirm their structure and purity.
5. Data collection and analysis and prepare detailed reports summarizing findings.

[4 Dec 2022 – Current]

University teaching assistant

Chemistry department, Faculty of Science, Assiut University <https://www.aun.edu.eg/main/>

City: Assiut | **Country:** Egypt | **Email address:** abobark70@aun.edu.eg

1. To demonstrate use of practical equipment, experiments, exercises, and techniques and/or processes that may form an element of an undergraduate course of study in line with specific learning objectives.
2. To oversee students carrying out such experiments, exercises, etc and offer assistance as appropriate.

3. Responsible for the day-to-day operation of the laboratory.
4. To be aware of any health and safety implications of procedures and take action to maintain a safe environment.
5. Give guidance, where required, to students who are carrying out practical exercises, etc
6. Maintain student attendance records.

[10 Oct 2021 – 1 Dec 2022]

Soldier (Mandatory)

Egyptian Armed Forces

Country: Egypt

EDUCATION AND TRAINING

[1 Sep 2017 – 12 Jun 2021]

BSc in Chemistry

Faculty of Science, Assiut University, (Assiut) Egypt <https://www.aun.edu.eg/science/ar/home-2>

Field(s) of study: Chemistry (completed in English Language) | **Final grade:** Excellent with honor, CGPA 3.85\4.00 (Top class student)

[1 Jul 2020 – 16 Jul 2020]

Training on the use of chemicals for water treatment

Company water and sanitation in Assiut <https://ascww.org>

City: Assiut | **Country:** Egypt |

DIGITAL SKILLS

My Digital Skills

Research and analytical skills | Material Characterization (XRD, SEM, XPS, EDS, TGA, UV-Vis, FTIR) | data processing and analysis software: Origin (advanced) | MS Office; CHEMDRAW; MESTRENOVA | LinkedIn | Good listener and communicator | Skilled in Schlenk techniques, Glovebox working and NMR investigation | Literature Reviewing

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

WORKSHOPS

X-ray Diffraction Method, Applications, and Results Refinement

-Theoretical basis, practical applications, peak indexing and calculation of lattice parameters

-Introduction to and Fundamentals of Rietveld refinement

NETWORKS AND MEMBERSHIPS

[1 Sep 2018 – 15 Jun 2019]

Social Member Faculty Of Science, students Union