Curriculum vitae of Abdallah Aboelsoud

- *Personal Information:*

  Name: Abdallah Mohamed Ashraf Mostafa Aboelsoud
  Date of Birth: 13/03/1993

- *Contact Information:*

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- *Education:*
  - 2/2023-now: PhD student (Material Science and Nanotechnology) Faculty of Postgraduate Studies for Advanced Science, Beni-Suef University, Egypt
    under title

"Preparation, Characterization, and Application of Polymeric Membranes Blended with Metal-Organic Frameworks (MOF) Nanocomposites"

  - 2016 – 2018 M. Sc. (Physical Chemistry)
    Faculty of Science, Beni-Suef University, Egypt.
    Dissertation,

"Innovation Technology for Water Desalination Based on RO-NF Membrane"

  - 2014- 2015 Pre-Master Studies (Physical Chemistry)
    Faculty of Science, Beni-Suef University, Egypt.
  - 2009- 2013 B.Sc. (Special Chemistry, Excellent)
    Faculty of Science, Beni-Suef University, Egypt.

- *Employment History:*

  - **9/2022- Now: Assistant Lecturer at the Faculty of Postgraduate Studies for Advanced Sciences Beni-Suef University**
  - **4/2015- 2022 Membre at Nanophotonics and Applications Labs, Faculty of Science, Beni-Suef University, Egypt**
  - **9/2018- 12/2018: Deputed teaching assistant at Faculty of Navigation Science and Space Technology Beni-Suef University**
  - **1/2015- 1/2018: MSc. Grant Student at Academe of Scientific Research and Technology (ASRT)**

- *Main Research or Technology Topics:*
  - Polymers (Membrane technology)
  - Separation and purification
  - Water Desalination based on RO/NF Membranes
  - Water treatment technologies
  - Membrane gas separation
  - Catalysts (adsorbents, photocatalysis, etc.)
  - Sensors (Heavy metals, gases, chemical molecules, Biomolecules, pH)

- *Nanostructures fabrication and characterization*
  - Spray pyrolysis technique
  - Hydrothermal Technique
  - HR Transmission Electron Microscopy (HRTEM)
  - Field Emission Scanning Electron Microscopy (FE-SEM)
  - Atomic Force Microscopy (AFM)
  - Energy Dispersive X-Ray Spectroscopy (EDS)
  - X-ray Diffractometer (XRD)
  - LCR Bridge (Dielectric properties measurements).
  - Raman Spectrometers
  - Uv-Vis spectrophotometer

- *Awards and Honors:*
  - Master Grant from Academe of Scientific Research and Technology (ASRT)
    Grant no. (ASRT/SNG/W/2014-9)
    "Innovation Technology for Water Desalination Based on RO-NF Membrane"

- *Conferences Organization*

  - **Organizing Committee member**

1. International Workshop on Space Weather and Space Navigation, Beni Suief Uni., 3-4 Oct 2017.
2. One-day Seminar "Pyramids Science and Nanotechnology", Beni-Suef University and EgyptianMaterial Research Society, 14 December 2017.
3. The 2nd international conference of "Egy Nanophotonics and Nanophononics" ENPPC2, Sharm El Sheikh, Egypt, 13-16 Sep. 2017.
4. "Scientific Program of Nanophotonics training course", Beni-Suef University, 12,13 February 2017.
5. One Day Seminars "Materials Science and Nobel prize2016", (Eg-MRS and Beni-Suef University, 2016).
6. The 1st international conferences of "Egy Nanophotonics and Nanophononics" ENPPC1, Hurghada, Egypt, 10-13 Aug. 2016.

- *Recent relevant publications*

I) Journal Publications:

A.Tarek, N. Alfryyan, **A.M. Ashraf**, S. A. Ahmed, and M. Shaban. "Polyethersulfone blended with Titanium dioxide nanoribbons/Multi-Wall Carbon Nanotubes for strontium removal from water." Polymers 14, no. 7 (2022): 1390.
https://doi.org/10.3390/polym14071390

A.M. Ahmed, F. Mohamed, **A.M. Ashraf**, M. Shaban, A. Aslam, P. Khan, A.M. Asiri, Chemosphere Enhanced photoelectrochemical water splitting activity of carbon nanotubes @ TiO 2 nanoribbons in different electrolytes, Chemosphere. 238 (2020) 124554.
https://www.sciencedirect.com/science/article/pii/S0045653519317783.

A Helmy, M Rabia, M Shaban, **A.M. Ashraf**, S Ahmed, Graphite/rolled graphene oxide/carbon nanotube photoelectrode for water splitting of exhaust car solutionv, International Journal of Energy Research, 2020
https://onlinelibrary.wiley.com/doi/full/10.1002/er.5501 .

M. Shaban, **A.M. Ashraf**, M.R. Abukhadra, TiO_2 Nanoribbons/Carbon Nanotubes Composite with Enhanced Photocatalytic Activity; Fabrication, Characterization, and Application, Sci. Rep. 8 (2018) 781. doi:10.1038/s41598-018-19172-w.
https://www.nature.com/articles/s41598-018-19172-w

M. Shaban, **A.M. Ashraf**, H. AbdAllah, H M. Abd El-Salam. Titanium dioxide nanoribbons / Multi-Walled Carbon nanotube nanocomposite blended Polyethersulfone Membrane for Brackish Water Desalination. Desalination. 444 (2018) 129–141.
https://www.sciencedirect.com/science/article/pii/S0011916417315229

II) Conference Papers:

M. Shaban, **A.M. Ashraf**, H. AbdAllah, H M. Abd El-Salam. TiO_2 nanoribbons embedded Polyethersulfone membrane for Brackish water desalination, ENPPC, Sep 2017.

- *Courses and training*

Field Emission Scanning Electron Microscopy operation training at **ZEISS Germany May 2023**
Change Management
Communiction & Negotiation Skill
Financial Fundamental (business plan)
GC, HPLC, AAS, AAA & PC
IT Cambridge
Intellectual Property Right and Patents
Lab Safety - Bio Safety
Pathways to Higher Education " Behavioral approach "
Problem Solving
Research Methodology
Scientific Publication
Scientific Thinking and Proposal Writing
Self-learning and assessment
Team Management
Time Management
Water Analysis
Water Treatment