

CURRICULUM VITAE



1. Surname, First Name(s). Titles

- Hussein, Islam.
- Ph.D. student at NCSR Demokritos, Greece.

2. Affiliation, Official Address and phone number

- Institute of Nanoscience and Nanotechnology, NCSR DEMOKRITOS, Aghia Paraskevi Attikis, Greece, 153 10
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3. Date and Place of Birth. Family:

- 13 September 1985, Alexandria, Egypt.
- Married to Amira Abdellatif, 1 child

4. Education (dates, degrees, universities):

- 2004-2007 Bachelor in Chemistry, Al-azhar University, Egypt, Excellent with honor degree (86/100)
- 2012-2015 Demonstrator at the Department of Chemistry, Faculty of Science, Al-Azhar University, Cairo, Egypt
- 2015-2016 Assistant Lecturer at the Department of Chemistry, Faculty of Science, Al-Azhar University, Cairo, Egypt
- 2016- now Researcher at the Institute of Nanoscience and Nanotechnology NCSR DEMOKRITOS Aghia Paraskevi Attikis, Greece

5. Career/Employment (dates, positions, employers):

- 2012-2015 Demonstrator at the Department of Chemistry, Faculty of Science, Al-Azhar University, Cairo, Egypt
- 2015-2016 Assistant Lecturer at the Department of Chemistry, Faculty of Science, Al-Azhar University, Cairo, Egypt
- 2016- now Researcher at the Institute of Nanoscience and Nanotechnology NCSR DEMOKRITOS, Aghia Paraskevi Attikis, Greece

6. Research Interests

- Nanotechnology driven light induced processes for environmental protection

- TiO₂ photocatalysis: photocatalytic obliteration of pollutants (water purification, air cleaning)
- photocatalytic construction materials; large band-gap semiconductors (powders, thin films)

Annex I – PUBLICATIONS

Citations: 124, h-factor 3 (Scopus, January 2020)

A. Monographs

“Synthesis and Structural Analysis of Some Nanomagnetic Iron Oxide Based-Photocatalysts and their Implication in Water Remediation“, Al-azhar university, Cairo, Egypt, 2015.

B. Papers in International refereed journals

- 1- Synthesis of magnetically recyclable spinel ferrite (MFe₂O₄, M = Zn, Co, Mn) nanocrystals engineered by sol gel-hydrothermal technology:High catalytic performances for nitroarenes reduction, Islam Ibrahim, Ibraheem O. Ali, Tarek M. Salama, A.A. Bahgat, Mohamed Mokhtar Mohamed, Applied Catalysis B: Environmental, 181 (2016) 389–402.
DOI: org/10.1016/j.apcatb.2015.08.005
- 2- Rational design of manganese ferrite-graphene hybrid photocatalysts:Efficient water splitting and effective elimination of organic pollutants, Mohamed Mokhtar Mohameda, Islam Ibrahim, Tarek M. Salama, Applied Catalysis A: General 524 (2016) 182–191.
DOI: org/10.1016/j.apcata.2016.06.031
- 3- Structural, optical, dielectric and magnetic properties of Bi_{1-x}La_xFeO₃ Nanoparticles, E.K. Abdel-Khalek, Islam Ibrahim, Tarek M. Salama, Ahmed M. Elseman, Mohamed Mokhtar Mohamed, Journal of Magnetism and Magnetic Materials 465 (2018) 309–315.
DOI.org/10.1016/j.jmmm.2018.06.024
- 4- Photocatalysis as an advanced reduction process (ARP): The reduction of 4-nitrophenol using titania nanotubes-ferrite nanocomposites, Islam Ibrahim, Chrysoula Athanasekou, Georgios Manolis, Andreas Kaltzoglou, Nektarios K. Nasikas, Fotios Katsaros, Eamonn Devlin, Athanassios G. Kontos, Polycarpos Falaras, Journal of Hazardous Materials 372 (2019) 37–44.
DOI.org/10.1016/j.jhazmat.2018.12.090
- 5- Magnetically separable TiO₂/CoFe₂O₄/Ag nanocomposites for the photocatalytic reduction of hexavalent chromium pollutant under UV and artificial solar light, Islam Ibrahim, Andreas Kaltzoglou, Chrysoula Athanasekou, Fotios Katsaros, Eamonn Devlin, Athanassios G. Kontos, Nikolaos Ioannidis, Maria Perraki, Petros Tsakiridis, Labrini Sygellou, Maria Antoniadou, Polycarpos Falaras, Chemical Engineering Journal 381 (2020) 122730.
DOI.org/10.1016/j.cej.2019.122730
- 6- Dielectric anomaly in the microwave region and exchange bias effect in LaFeO₃ nanoparticles at room temperature, E. K. Abdel-Khalek, Islam Ibrahim, Tarek M. Salama, Ferroelectrics, 550:1, (2019) 210-219.
DOI: 10.1080/00150193.2019.1652509

- 7- Bifunctional g-C₃N₄/WO₃ Thin Films for Photocatalytic Water Purification, Maria Antoniado, Michalis K. Arfanis, Islam Ibrahim, and Polycarpos Falaras, *Water* 2019, 11(12), 2439.
DOI.org/10.3390/w11122439
- 8- Surfactant Effects on the Synthesis of Redox Bifunctional V₂O₅ Photocatalysts, Islam Ibrahim, George V Belessiotis, Michalis K Arfanis, Chrysoula Athanasekou, Athanassios I Philippopoulos, Christiana A Mitsopoulou, George Em Romanos and Polycarpos Falaras, *Materials*, 13 (20) 4665.
DOI. org/10.3390/ma13204665
- 9- Study of the optical, dielectric and magnetic properties of the Bi_{0.75}La_{0.25}FeO₃ sample, E. K. Abdel-Khalek, Islam Ibrahim, Tarek M. Salama & Ahmed M. Elseman, *Ferroelectrics*, Volume 558, 2020 - Issue 1
DOI. org/10.1080/00150193.2020.1735899
- 10- DSSCs for Indoor Environments: From Lab Scale Experiments to Real Life Applications, George V Belessiotis, Islam Ibrahim, Chaido S Karagianni, Polycarpos Falaras, SVOA Materials Science & Technology.
DOI.

C. International Conferences and workshop

1. Athens international Conference on Advances in Chemistry (ACAC), 30 October-2 November 2018, National and Kapodistrian University of Athens, Greece.
2. 6th Hellenic Forum for science technology and innovation, 10-13 July 2018, at NCSR "Demokritos" in Athens, Greece.
3. MAESTRO – The European Training Network 11-15 February 2019: 3rd Training of Perovskite solar cells, at NCSR "Demokritos" in Athens, Greece.
4. 54th SUMMER SCHOOL 2019 - NCSR DEMOKRITOS, July 1, 2019 - July 11, 2019
5. CEST 2019 – the 16th International Conference on Environmental Science and Technology
6. NANOSMAT global conference 2020, 14th International Conference of Surfaces, Coatings and Nanostructured Materials
7. ICWRAE 9th International Conference on Water Resources and Arid Environment, 29-31 March 2021
8. ACAC 2021 Athens conference on advances in Chemistry 10-14 March 2021