



Islam Mohamed El-Said Mohamed El-Sewify

Date of birth: 17/09/1989 | **Nationality:** Egyptian | **Gender:** Male |

Phone number: (+20) 01115203809 (Mobile) | **Email address:**

eslamelsewify@sci.asu.edu.eg | **Website:**

<https://scholar.google.com.eg/citations?hl=en&pli=1&user=Ge6OtFIAAAAJ> |

Website: https://www.researchgate.net/profile/Islam_El-Sewify | **Website:**

<http://orcid.org/0000-0003-1934-4260> | **Website:**

<https://www.scopus.com/authid/detail.uri?authorId=57194384800> |

Skype: eslam.elsewify |

Address: 1498th Fourth District, 7th Neighboring , 6 october, Giza, Egypt,
11566, Giza, Egypt (Home)

● WORK EXPERIENCE

01/07/2018 – 01/02/2022 Cairo , Egypt

RESEARCHER DEPARTMENT OF CHEMISTRY, SCHOOL OF SCIENCES & ENGINEERING, THE AMERICAN UNIVERSITY IN CAIRO.

06/2016 – 06/2018 Tsukuba, Japan

VISITING RESEARCHER AT NATIONAL INSTITUTE OF MATERIAL SCIENCE

25/02/2019 – CURRENT Cairo, Egypt

LECTURER OF INORGANIC CHEMISTRY AND ANALYTICAL CHEMISTRY FACULTY OF SCIENCE - AIN SHAMS UNIVERSITY

The lecturer who demonstrates inorganic and Analytical Chemistry, Chemistry of alkali metals, transition elements, coordination chemistry, Group theory, Chemistry of silicates, nanomaterials, Advanced Applied Spectroscopy, Special Topics in Analytical Chemistry, Environmental Analysis, and Chemistry of nanomaterial, Photochemistry, food, and ore chemical analysis.

20/11/2013 – CURRENT cairo, Egypt

ASSISTANT LECTURER FACULTY OF SCIENCE - AIN SHAMS UNIVERSITY

Lecturer Assistant who illustrates practical Inorganic and Analytical Chemistry for undergraduate students and aids them within the laboratory to conduct their experiments correctly, and also works on the development of undergraduate lab books.

26/04/2011 – 20/11/2013 Cairo, Egypt

DEMONSTRATOR OF INORGANIC AND ANALYTICAL CHEMISTRY FACULTY OF SCIENCE - AIN SHAMS UNIVERSITY

Demonstrator who illustrates practical Inorganic and Analytical Chemistry for Undergraduate students and aids them within the Laboratory to conduct their experiments correctly,

● EDUCATION AND TRAINING

01/11/2014 – 30/12/2018 cairo, Egypt

PH.D., ANALYTICAL CHEMISTRY AND INORGANIC CHEMISTRY Ain Shams university

Synthesis, Characterization and Applications of Some Nano Optical Sensors

A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy (Ph.D.) in Science "Chemistry"

06/2016 – 06/2018 Tsukuba, Japan

JOINT SUPERVISION PHD SCHOLARSHIP BETWEEN EGYPT AND JAPAN supported and funded by cultural affairs and mission sector Egyptian Ministry of Higher Education

02/2012 – 10/2013 Cairo, Egypt

MSC., ANALYTICAL CHEMISTRY Faculty of Science - Ain Shams University

Prof. Mostafa Khalil' . Department of Chemistry, Faculty of Sciences, Ain shams University, Egypt. "**Modern Physicochemical Methods and Their Applications in Chemical Analysis for Determination of Some Important Industrial Material**"

09/2010 – 09/2011 Cairo, Egypt

PREMASTER COURSES OF INORGANIC AND ANALYTICAL CHEMISTRY Faculty of Science - Ain Shams University

09/2006 – 06/2010 Cairo, Egypt

B.SC. IN CHEMISTRY Faculty of Science - Ain Shams University

Excellent with Honours, 85.34 %, Ranked Second out of 120 students

02/2013 Giza, Egypt

INFO-DAY FOR TEMPUS PROJECT "EXCELLENCE IN NANOSCIENCE EDUCATION FOR THE MENA REGION (XNEM)" Conference Center, Smart Village

07/2010

INTERNSHIP EXPERIENCE Contemporary Chromatographic Techniques

From the central laboratory, Faculty of Science, Ain Shams University

08/2009 cairo, Egypt

INTERNSHIP EXPERIENCE Egyptian Petroleum Research Institute

2016

CERTIFICATE IN CREDIT HOURS Faculty and Leadership Development Center (FLDC), Ain Shams University

2018

CERTIFICATE IN ORGANIZATION OF SCIENTIFIC CONFERENCES Faculty and Leadership Development Center (FLDC), Ain Shams University

2018

CERTIFICATE IN THE USE OF TECHNOLOGY IN SCIENTIFIC RESEARCH Faculty and Leadership Development Center (FLDC), Ain Shams University, Cairo (Egypt)

2018

CERTIFICATE IN INTERNATIONAL PUBLICATION Faculty and Leadership Development Center (FLDC), Ain Shams University, Cairo (Egypt)

2018

CERTIFICATE IN THE USE OF TECHNOLOGY IN SCIENTIFIC RESEARCH Faculty and Leadership Development Center (FLDC), Ain Shams University, Cairo (Egypt)

08/2008 Cairo, Egypt

INTERNSHIP EXPERIENCE West Cairo station of electricity

09/2009 Cairo, Egypt

INTERNSHIP EXPERIENCE Atomic Energy Authority

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B2	B1	B1	B2

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

● ADDITIONAL INFORMATION

PUBLICATIONS

Publications

1-A Novel Method for the Assessment of Cortisol Hormone in Different Body Fluids Using A New Photo Probe Thiazole Derivative.

M. S. Attia, I. M. El-Sewify, A. O. Youssef, H. A. Hefny, M. H. Khalil, Journal of fluorescence 24, no. 2 (2014): 337-344.

Publications

2-Nanospherical inorganic α -Fe core-organic shell necklaces for the removal of arsenic(V) and chromium(VI) from aqueous solution

A. M. Azzam, M. A. Shenashen, M. M. Selim, H. Yamaguchi, I. M. El-Sewify, S. Kawada, A. A. Alhamid, Sherif. A. El-Safty, Journal of Physics and Chemistry of Solids 109 (2017): 78-88.

Publications

3-Mesoporous Organic-Inorganic Core-Shell Necklace Cages for Potentially Capturing Cd^{2+} Ions from Water Sources

A. E. Soliman, M. A. Shenashen, I. M. El-Sewify, G.M. Taha, M. A. El-Taher, H. Yamaguchi, A. S. Alamoudi, M. M. Selim, Sherif A. El-Safty, 2017, ChemistrySelect 2, 6135 - 6142.

Publications

4-Ratiometric Fluorescent Chemosensor for Zn^{2+} Ions in Environmental Samples Using Supermicroporous Organic-Inorganic Structures as Potential Platforms,

I. M. El-Sewify, M. A. Shenashen, A. Shahat, H. Yamaguchi, M. M. Selim, M. M.H. Khali, Sherif. A. El-Safty, 2017, ChemistrySelect 2, 11083 -11090.

Publications

5-Sensitive and selective fluorometric determination and monitoring of Zn^{2+} ions using supermicroporous Zr-MOFs chemosensors

I. M. El-Sewify, M. A. Shenashen, A. Shahat, M. M. Selim, M. M.H. Khalil, Sherif. A. El-Safty, Microchemical Journal 139 (2018): 24-33.

DOI:<https://doi.org/10.1016/j.microc.2018.02.002>

Publications

6-Dual Colorimetric and Fluorometric Monitoring of Bi^{3+} Ions in Water using Supermicroporous Zr-MOFs Chemosensors

I. M. El-Sewify, M. A. Shenashen, A. Shahat, H. Yamaguchi, M. M. Selim, M. M.H. Khali, Sherif. A. El-Safty, Journal of Luminescence, 198, pp.438-448.

Publications

7-Broccoli-shaped biosensor hierarchy for electrochemical screening of noradrenaline in living cells

Mohammed Y.Emran, Moataz Mekawy, Naeem Akhtar, Mohamed A. Shenashen, Islam M. El-Sewify, Ahmed Faheem, Sherif A. El-Safty, Biosensors and Bioelectronics, 100, pp.122-131.

Publications

8-Decorated Nanosphere Mesoporous Silica Chemosensors For Rapid Screening and Removal of Toxic Cadmium in Well Water Samples

A.Radwan, I.M.El-Sewify, Shahat, A., El-Shahat, M.F. and Khalil, M.M., 2020, Microchemical Journal, p. 104806.

Publication

9-Multi-Use Al-MOF Chemosensors for Visual Detection and Removal of Mercury Ions in Water, and Skin Whitening Cosmetics

Ahmed Radwan, Islam M. El-Sewify, Ahmed Shahat, Hassan M. E. Azzazy, Mostafa M.H. Khalil, ACS Sustainable Chemistry & Engineering, 8(40), pp.15097-15107.

Publication

10- Mesoporous nanosensors for sensitive monitoring and removal of copper ions in wastewater

I. M.El-Sewify, & Khalil, M. M. (2021). samples. New Journal of Chemistry, 45(5), 2573-2581.

Publication

11-Superior Adsorption and Removal of Aquaculture and Bio-Staining Dye from Industrial Wastewater Using Microporous Nanocubic ZnMOFs

I. M. El-Sewify, A. Radwan, A. Shahat, M. F. El-Shahat, M. M.H. Khalil, Microporous and Mesoporous Materials 329 (2022): 111506

Publication

12-Novel polychromogenic fluorine-substituted spiropyrans demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches.

Artem D.Pugache, ally. V. Ozhogin, Nadezhd I.Makarovaalrin, A.RostovtsevaaMaria B.LukyanovaaAnastasia S.KozlenkoaGennady S.Borodkin, Valery V.Tkachev, Islam M.El-Sewify, Igor V.Dorogan, Anatoly V.Metelitsa, Sergey M.Aldoshinb Boris S.Lukyanova, Dyes and Pigments, 199, p. 110043.

Publication

13-Porous Optical Chemosensors for Early Detection and Monitoring of Heavy Metals Correlated with Alzheimer's Disease

Islam M. El-Sewify, Ahmed Radwan, Hassan M. E. Azzazy, Available at SSRN 4007919

Publication

14-Monitoring of Cobalt and Cadmium in Daily Cosmetics Using Powder and Paper Optical Chemosensors

Ahmed Radwan, Islam M. El-Sewify, Hassan M. E. Azzazy, ACS omega 7, no. 18 (2022): 15739-15750.

Publication

15-Mesoporous polyaniline/SnO₂ nanospheres for enhanced photocatalytic degradation of bio-staining fluorescent dye from an aqueous environment

Mostafa A. Sayed, M.A. Ahmed, M.F. El-Shahat, Islam M. El-Sewify, inorganic chemistry communications, Inorganic Chemistry Communications 139 (2022): 109326.

Publication

16-Spiropyrans: molecules in motion

Anastasia S Kozlenko, Artem D Pugachev, Ilya V Ozhogin, Islam M El-Sewify, Boris S Lukyanov, Chemistry of Heterocyclic Compounds, 57(2021)984-989.

Publication

21- A Green Fabrication of Nanosphere ZnO/CuO Using Bee byproduct Extract for Removal of Fluorescent Stain Azo Dye.

Samir Osman Mohamed, I. M. El-Sewify, A. Radwan, M. M.H. Khalil, Inorganic Chemistry Communications, under submission.

Publication

22- Multi-Responsive Functionalized Mesoporous Silica Paper Based Chemosensors for Quantitative Sensing of Heavy Metals in Water

Islam M. El-Sewify, Ahmed Radwan, Hassan M. E. Azzazy, Microchemical journal, under submission

DRIVING LICENCE

Driving Licence: B

PROJECTS

11/2021 – CURRENT

Synthesis and applications of metal organic frameworks for sensing and removal of environmental pollutants in water The project was funded by **Ain Shams University**

07/2021 – CURRENT

Optical Nanosensors for Detection of heavy Metals in industrial applications The project was funded by **The American University in Cairo**

01/10/2018 – 01/06/2019

Optical Nanosensors/Nanocollectors for Detection and Elimination of Toxic Metals in Water The project was funded by **The American University in Cairo**

01/10/2019 – 01/04/2020

The project funded by Science & Technology Development Funding (STDF) Photodegradation of some organic pollutants using new nanomaterials with magnetic properties

HONOURS AND AWARDS

2022

Winner of Ain Shams Incentive Award in Basic Science – Ain Shams University, Egypt

2022

Innovation award in Basic science – Ain Shams University, Egypt First-class researcher track

2021

The " Coup de Coeur " Award – France supporting innovation in Egypt Award of the **French-Egyptian Startup Competition**

2020

The " Creativity Prize - 9th Award " in water – Prince Sultan bin Abdulaziz International Prize The team of **Dr. Sherif El-Safty – National Institute for Materials Science, Japan**

International Publication Reward – Ain Shams University, Egypt

2013

The Master Motivation Award – Supreme Council of Universities, Egypt

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Eager to learn
- Able to communicate and cooperate
- Organized and mentally creative
- Positive, and have an optimistic vision
- Adapt successfully to changing situations & environments
- Manage time effectively, prioritizing tasks and able to work to deadlines

JOB-RELATED SKILLS

Job-related skills

- Able to conduct practical experiments independently.
- Able to run UV-VIS absorption spectrophotometer.
- Able to run spectrofluorometer.
- Able to run Scanning Electron Microscope (SEM).
- Can design optical chemical nanosensors.
- Can prepare materials in nano size.
- Can Design, assemble and functionalize nanostructured materials.
- Have experience in preparing Metal-Organic Frameworks (MOFs).
- Have experience in preparing Zeolitic Imidazolate Frameworks (ZIFs).

- Have experience in preparing Bi-metallic MOFs.
 - Have experience in preparing MOF/Nanoparticles.
 - Have experience in preparing Mesoporous Silica Nanospheres (MSNs).
 - Able to attain Digital Image-based Colorimetric analysis.
 - Can design nano-adsorbents for the determination and removal of inorganic pollutants.
 - Can design nano-photosensitizer.
 - Can deal with a few milligrams to 1 mg and prepare very low concentrations up to ppb (part per billion) with high accuracy.
 - Able to interpret IR, SEM, TEM, XRD, and N₂ physisorption isotherms.
 - Can prepare Organic compounds.
 - Good Teaching Skills.
-