



Mostafa M. Elsaady

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Website: <https://scholar.google.com.eg/citations?user=n-6lgeAAAAJ&hl=en>

Home: 36 college avenue east, North tower, 07-206., 138600 (Singapore)

WORK EXPERIENCE

Assistant lecturer

Faculty of science-Ain shams university [Study leave] [01/11/2020 – Current]

City: Cairo | Country: Egypt

Ph.D. Student

National University of Singapore (NUS) [07/08/2023 – Current]

Country: Singapore

Chemistry Content Developer (Part time)

Nagwa company [12/12/2021 – 20/07/2023]

City: Cairo | Country: Egypt | Website: <https://www.nagwa.com/en/> | Name of unit or department: Chemistry - Business or sector: Education

Teaching Assistant (Inorganic and Analytical Chemistry)

Faculty of Science - Ain Shams University [03/2018 – 01/11/2020]

City: Cairo | Country: Egypt

Analytical scientist and Technical support

Laboratory Scientific Supplies CO. (HANNA Inst. CO. agent). [07/2017 – 03/2018]

City: Cairo | Country: Egypt

EDUCATION AND TRAINING

M.Sc. in analytical Chemistry

Faculty of Science - Ain Shams University [12/2018 – 11/2020]

City: Cairo | Country: Egypt

under supervision of [Prof.Dr.\ M. S. A. Abdel-Mottaleb](#) and [Prof. Dr.\ M. S. Attia](#). Department of Chemistry, Faculty of Sciences, Ain shams University, Egypt. "New Analytical Method Based on Lanthanide Luminescence for Assessment of Activity of Some Glands in Human Body "

Premaster In Inorganic and Analytical Chemistry

Faculty of Science - Ain Shams University [11/2017 – 09/2018]

City: Cairo | Country: Egypt

B.Sc.

Faculty of Science - Ain Shams University [09/2013 – 06/2017]

City: Cairo | Country: Egypt | Field(s) of study: Major chemistry | Final grade: First class Excellent with Honors degree.

Ph. D. in Chemistry

National University of Singapore [01/08/2023 – Current]

Field(s) of study: Chemistry | Thesis: Novel strategies of employing single-atom catalysts (SAC) in Advanced oxidation processes in wastewater treatment.

In [Prof. Sam Li's group](#), Faculty of Science, National University of Singapore

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

English

LISTENING C1 READING C2 WRITING C2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

HONOURS AND AWARDS

[04/2018] Ain-Shams university

Medal of excellence

[01/2018] Egyptian syndicate of scientific professions

The Golden medal

[2022] Ain-Shams university

International Publishing Certificate of Appreciation

I have been awarded this appreciation certificate four times in 2019, 2020, 2021, and 2022 for the participation in the international publications.

[07/08/2023] NUS

Singapore international graduate award (SINGA scholarship)

JOB-RELATED SKILLS

Job-related skills

- Excellent Teaching and presentation skills.
- Excellent research reading and writing skills.
- Meticulous and detail-oriented
- Excellent time management
- Excellent interpersonal and communication skills
- Proficient in Microsoft Office applications like Excel, PowerPoint, and Word.

PUBLICATIONS

[2019]

Determination of uric acid in serum using an optical sensor based on binuclear Pd(II) 2-pyrazinecarboxamide-bipyridine doped in a sol gel matrix

[2020]

Highly Efficient Gold Nano-Flower Optical Biosensor Doped in a Sol-Gel/PEG Matrix for the Determination of a Calcitonin Biomarker in Different Serum Samples

[2020]

Highly Selective Optical Sensor Eu (TTA)₃ Phen Embedded in Poly Methylmethacrylate for Assessment of Total Prostate Specific Antigen Tumor Marker in Male Serum Suffering Prostate Diseases

[2020]

A stable and sensitive luminescent photoprobe based on tris(3-acetylindole) terbium(III) complex: Molecular modeling, luminescence quenching, and Ab initio molecular dynamics

[2021]

Chapter 18: Cellulose Nanoparticle-based Advanced Materials for Optical Sensors Technology and Applications

[2021]

A Novel Photoprobe Based On Nano Tris(3-acetylindole)-terbium(III) Complex For The Quantitative Determination of Epinephrine In Blood Samples

[2022]

A new method for early diagnosis of liver cancer using a biosensor embedded in an alginate polymer thin film

PATENT

[03/2022 – Current]

New Kit based on the nano biosensor benzo[b]phenoxazinyl embedded in Alginate polymer thin film for highly selective and sensitive determination of Alpha Fetoprotein in blood Samples for early diagnosis of liver cancer: New Kit Ready for Clinical Use.

Patent under registration number (EGP/2022/418), Egyptian patent office, EGPO