

CURRICULUM VITA



MARWA A. RAMADAN

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PERSONAL INFORMATION

Full Name: Marwa Ali Ramadan Hassan
Gender: Female
Date of Birth: 13 June 1984
Nationality: Egyptian
Place of Birth: Egypt **Residence:** 6th October City, Egypt **Marital Status:** Married

SHORT BIOGRAPHY

Dr. Marwa Ramadan has graduated from the Faculty of Science, Cairo University in 2005 with major in Chemistry/Entomology and received her Master of Laser Science in Photochemistry & Photobiology from the National Institute of Laser Enhanced Science, Cairo University in 2011. She then obtained her Ph.D. in Photochemistry & Photobiology from the same Department in May 2018. She has contributed to the fields of photobiology and nanomaterials and their biomedical applications. She has significant experience in the development of various nanostructured materials for biological applications and other different fields. She has published 3 papers in peer-reviewed international journals. Dr. Ramadan has an *h*-index of 3 as of January 24, 2021.

EDUCATION

- Ph.D.** **Laser Sciences, Photochemistry & Photobiology, 2018, National Institute of Laser Enhanced Sciences (NILES), Cairo University, Egypt.**
Dissertation Title: Study the Efficiency of Graphene Oxide Nanocomposite as a Novel Photothermal Candidate: in Vitro Study.
- M.Sc.** **Laser Sciences, Photochemistry & Photobiology, 2011, National Institute of Laser Enhanced Sciences (NILES), Cairo University, Egypt.**
Dissertation Title: Silver Nanocomposites: Preparation, Characterization, Photostability, and Their Role in Biological Applications.
- Diploma** **Laser Sciences, 2006, National Institute of Laser Enhanced Sciences (NILES), Cairo University, Egypt.**
Division: Photochemistry & Photobiology
- B.Sc.** **Chemistry, 2005, Faculty of Science, Cairo University, Giza, Egypt**
Grade: Very Good *Minor:* Entomology

ACADEMIC POSITIONS

2018 – Present Lecturer, National Institute of Laser Enhanced Science, Cairo University, Giza, Egypt

2011 – 2018

Assistant Lecturer, National Institute of Laser Enhanced Science, Cairo University, Giza, Egypt

2006 – 2011

Teaching Assistant, National Institute of Laser Enhanced Science, Cairo University, Giza, Egypt

PROFESSIONAL EXPERIENCE

- A Member of *The Quality Assurance and Accreditation Unit*, NILES, Cairo Univ. (2010- present).
- A Member of *The Technical support team at NILES for the electronic platform for distance education at Cairo University (Blackboard and Gourmet)*, NILES, Cairo Univ. (2020- present).
- A Treasurer of the LAMPA Department Council Board (2019 – 2020).
- A Coordinator of many workshops held by *The Quality Assurance and Accreditation Unit*, NILES, Cairo Univ. (2010- present).

RESEARCH INTERESTS

- Nanotechnology (various aspects of Preparation, Characterization, and Applications)
- Photobiology (Photodynamic Therapy (PDT) and Photothermal Therapy (PTT)).
- Photochemistry
- Laser applications
- Cytotoxicity
- Cancer therapy
- Entomology

TEACHING EXPERIENCE

I have been teaching the following courses for Diploma, Master and Ph.D. students; Division of Photochemistry and Photobiology, NILES, Cairo Univ.

- Photobiology I
- Advanced Photochemistry and Photobiology
- Light in Bioscience
- Bio-Photonics
- Environmental Photochemistry and Photobiology
- Photobiological Techniques
- Bio-nanotechnology
- Laser-Tissue Interaction
- Experimental Studies of Photochemistry, Photobiology, and Nanotechnology

SELECTED PUBLICATIONS

- Reduced Graphene Oxide @ Magnetite Nanocomposite and ELFEF effect on *Staphylococcus aureus* growth inhibition, Marwa M. Mostafa, Ebtessam A. Mohamad, Marwa A. Ramadan, Mona S. Elneklawi, *Egyptian Journal of Chemistry*, 2022, DOI: [10.21608/EJCHEM.2022.157530.6825](https://doi.org/10.21608/EJCHEM.2022.157530.6825)

- Photochemical effect of silver nanoparticles on flesh fly larval biological system, Mona M. Ali, Marwa A. Ramadan, Nirvina A. Ghazawy, Amira Afify, Shaker A. Mousa, Acta Histochemica.2022, DOI: [10.1016/j.acthis.2022.151871](https://doi.org/10.1016/j.acthis.2022.151871)
- Ionic Gelation Synthesis, Characterization and Cytotoxic Evaluation of Chitosan Nanoparticles on Different Types of Human Cancer Cell Models, Marwa A Ramadan, Marwa Sharaky, Amna H. Faid, Egyptian Journal of Chemistry ,2022, DOI: [10.21608/EJCHEM2021.82733.4070](https://doi.org/10.21608/EJCHEM2021.82733.4070)
- Synthesis, characterization and cytotoxic evaluation of graphene oxide nanosheets: In vitro liver cancer model, Samah A Loutfy, Taher A Salaheldin, Marwa A Ramadan, Khaled Yehia Farroh, Zeinab F Abdallah, Tareq Youssef, Asian Pacific Journal of Cancer Prevention, 2017, DOI: [10.22034/APJCP.2017.18.4.955](https://doi.org/10.22034/APJCP.2017.18.4.955)
- Acknowledgment for me in chapter 3 (In Vivo Suppression of Solid Ehrlich Cancer via Ag and Co/Ag Mediated PTT) in the Holistic Approaches to Infectious Diseases book (Published 18 July 2016) due to the preparation of nanomaterials.
- Rapid and sensitive microplate assay for screening the effect of silver and gold nanoparticles on bacteria Rehab M Amin, Mona B Mohamed, Marwa A Ramadan, Thomas Verwanger, Barbara Krammer, Nanomedicine 2009 DOI: [10.2217/nnm.09.50](https://doi.org/10.2217/nnm.09.50)

SELECTED PROJECTS

- Contributed as a team member to the project entitled: “*Study the biological applications of novel and home designed nanoparticles*” funded by the Center for Special Studies and Programs Bibliotheca, Alexandria.

PATENTS

- Cobalt/silver core-shell nanoparticles application in solid tumor treatment, Tarek El-tayeb, Eman gomaa, Mona Bakr, Marwa Ali Ramadan International Patent, Publication Number WO2011/110186A1- Publication Date (15/9/2011).

CITATION REPORTS

- Orcid: <https://orcid.org/0000-0002-4148-3673>
- Scopus: (Total citations: 30, h-index: 2)
- Web of Science Researcher ID: AAV-922-2020 (Total citations: 22, h-index: 2)
- Google Scholar: (Total citations: 106, h-index: 2)

CONFERENCES & WORKSHOPS

- International Conference on Laser Applications (ICLA), Cairo Univ., 2007, Cairo (Attendance).

- Workshop on Photodynamic Therapy (PTD): Diagnosis and Therapy, 19th-20th March 2007, GUC Campus, Cairo, Egypt.
- International Conference on Laser Applications (ICLA), Cairo Univ., 2011, Cairo (Attendance).
- International Conference on Laser Applications (ICLA), Cairo Univ., 2017, Cairo (Attendance).
- International Conference on Laser Applications, (ICLA10), Cairo Univ., 23 - 28 November 2019, Cairo (Attendance).
- International Conference on Science & Sustainable Development (2nd ICSSD), National Research Center (NRC), 2021, Giza (Attendance).
- Workshop on Innovation & Entrepreneurship, 25th-26th October 2021, National Research Center (NRC), Giza, Egypt.
- Workshop on from research to industry, 27th October 2021, National Research Center (NRC), Giza, Egypt.

AWARDS AND PRIZES

- Scientific Publication Award, Cairo University, Egypt for the years 2010, 2018, 2020.
- A certificate of appreciation in Honoring 100 inventors Ceremony in the Smart Village, Egypt (2018)
- A certificate of appreciation and a medallion from the Faculty of Science- Cairo University for my graduation (2005).

PROFESSIONAL TRAINING

- Faculty and Leadership Development Project (FLDP) Cairo University-(2007 till now)
- Career ethics and protocols
- Active teaching
- Methods of scientific research
- Active communication skills
- The use of technology in teaching
- Strategic planning
- Active presentation skills
- Credit hour systems
- Quality standards in teaching
- The organization of scientific conferences
- Statistical analysis in biological experiments
- ICDL- course (2010) Cairo University
- TOEFL- course (2006) Cairo University
- Insect control in Research Institute Of Medical Entomology (RIME) (2004)
- Training in the Chemistry Department at the National Research Center (NRC), (2004).

ONLINE COURSES & WEBINARS

- **Online course: Research Writing in the Sciences (2020)**
INASP "International Network for the Availability of Scientific Publications" The AuthorAID project <https://moodle.inasp.info/course/view.php?id=168>
- **CABI Online-platform webinar**
CABI Scientific Resources for Agriculture and Life Sciences Organized in collaboration with the Egyptian Knowledge Bank (EKB) June 2020

- **Nano-Online-platform webinar**
How to accelerate your research with a Nature research solution Organized in collaboration with the Egyptian Knowledge Bank (EKB) June 2020
- **Discover with Elsevier: Getting Published**
Organized in collaboration with the Egyptian Knowledge Bank (EKB), 2020
- **Discover with Elsevier: Mendeley**
Organized in collaboration with the Egyptian Knowledge Bank (EKB) 2020
- **Discover the new enhanced CiteScore 2019 - Scopus**
Organized in collaboration with the Egyptian Knowledge Bank (EKB) 2020
- **How to conduct evidence-based research**
With Elsevier, research academy 2020
- **How to secure funding - ECR edition**
With Elsevier, research academy 2020

LANGUAGE SKILLS

- **Arabic:** Mother Tongue
- **English:** Excellent writing, reading, and speaking skills.

COMPUTER SKILLS

- Good knowledge of Windows 98, 2000, XP,7,10
- Advanced level in Microsoft Office 2000, 2007 and 2010
- Excellent in Excel, Word, and PowerPoint
- Excellent in Internet tools, scientific research engines, and EKB bank
- Very good at using the Endnote program.
- Excellent in using the Mendeley program.
- Very good in using Black Board
- Very good in using Gourmet

PERSONAL SKILLS

- Ability to work in a team.
- Ability to initiate and implement new ideas.
- Good communication with people and self-motivation.