CURRICULUM VITAE

Personal information

Name: **Entsar Ibrahim Mahmoud Rabea**
Date of Birth: 24/10/1970
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Education:

Degree	University	Faculty	Country	Year of graduation	Major Field	Minor Field
B.Sc	Alexandria	Agriculture	Egypt	June, 1993	Pesticde Chemistry	Pesticide Chemistry
M.Sc	Alexandria	Agriculture	Egypt	October, 1998	Pesticide Chemistry and Toxicology	Toxicology of certain pesticide and heavy metals
Title	**Toxicological studies of some toxicants: 'Toxicological *and pharmacological interaction between chlorpyrifos and two heavy metals in albino rats'***					
Ph.D	Ghent	Bioscience Engineering	Belgium	May, 2005	Crop Protection Chemistry	Chemical modification and biological activity
Title	**CHEMICAL MODIFICATIONS, FUNGICIDAL AND INSECTICIDAL ACTIVITY OF THE NATURAL POLYMER CHITOSAN AND DERIVATIVES**					

Professional Experience and Employment:

Association	Field	Year
Demonstrator Alexandria University (Damanhour) Damanhour, Egypt).	Toxicological studies of some toxicants	**1994-1998**
Assistant Lecturer (Dept. Pesticide Chemistry & Toxicology, Faculty of Agriculture, Alexandria University (Damanhour), Damanhour, Egypt).	Chemical modification, fungicidal and insecticidal activity of the natural polymer chitosan and derivatives	**1999-2005**
Lecturer (Dept. pest control and environmental protection, Faculty of Agriculture, Alexandria University, (Damanhour), Damanhour, Egypt).	Chemical modification, fungicidal and insecticidal activity of the natural polymer chitosan and derivatives	**2005-2010**
Associate Professor Dept. pest control and environmental protection, Faculty of Agriculture, Damanhour University, Damanhour, Egypt).	Chemical structure and pesticidal activity relationship of biologically active biopolymer chitosan derivatives.	**2010-2015**
Member of the Office of Scientific Publishing University	**Damanhour University**	**2012-till now**
Professor Dept. Plant Protection, Faculty of Agriculture, Damanhur University, Damanhur, Egypt).	Chemical structure and pesticidal activity relationship of biologically active biopolymer chitosan derivatives.	**2015-till now**
Head of Dept. Plant Protection, Faculty of Agriculture, Damanhour University, Damanhour, Egypt).	-	**2016**
Member of the Agricultural Studies Sector Committee	**Supreme Council of Universities**	**2025-2028**
Member on promotion committees for professors and assistant professors	**Supreme Council of Universities**	**2020-till now**
Member of the University's International Classification Team	**Damanhur University**	**2024-2025**

Academic awards:

- **Damanhur University Prize for Science Encouragement in Agricultural Sciences (2011).**

- **Egyptian State Prize for Science Encouragement in Agricultural Sciences (2014).**
- **Shield of Damanhur University for Publishing Scientific Excellence (2017).**
- **First Class Excellence Franchise.**

Research interest:

- Search for novel natural composites biologically effective against certain pests of agricultural crops.
- Study the configuration and chemistry of chitosan derivatives by spectral analysis of the several devices such as IR, UV and NMR.
- Study the relationship between chemical structure and biological action of chitosan derivatives effective on various agricultural pest of economic importance.
- The chemical composition modification of a chitosan compound to increase its effectiveness against numerous pests.
- Study the toxic effect of certain pesticides, synthetic and natural against some insect pests and animal that most harmful agricultural crops.
- Study the comparative influences of some insect growth regulators and biocides on some beneficial insects.

Activities:

Teaching

Sharing in the Teaching of the following courses:

- **Chemistry courses**

1. Chemistry 101 (Physical Chemistry) for first-year students.
2. Chemistry 102 (Organic Chemistry) for first-year students.
3. Chemistry 203 (Analytical Chemistry) for the second year students.
4. Chemistry 304 (Advanced Organic Chemistry) for the third year students.

5. Chemistry 305 (Advanced Physical Chemistry) for the third year students.
6. Instrumental analysis 2706821 for post-graduate students.

- **Pesticides courses**

1. Pesticides 408 (Pesticides Analysis and Residues) to fourth-year students and graduate students
2. Pesticides 404 (Acaricides) for students of the fourth year of the Department of Plant Protection
3. pesticides 499 (scientific research) for students of the fourth year of Plant Protection Department
4. Environment protection 302 (environmental toxicity) for students of the third year of the Department of Plant Protection
5. Bioassay for students of the fourth year of the Department of Plant Protection
6. Fungicides 407 for students of the fourth year of the Department of Plant Protection
7. Insecticides for students of the fourth year of the Department of Plant Protection
8. Toxicity of pesticides to fourth-year students of Department of Plant Protection
9. Herbicides for the fourth year students of the Department of Plant Protection
10. Basics of pest control for the fourth year students of the Department of Plant Protection
11. Advanced Acaricides 2706810 (post Graduate)

Conferences:

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1. International Symposium on Chemical Safety and the media about the risks and toxic chemicals, "the special needs of developing countries," Faculty of Agriculture (El-Shatby) Alexandria University - 1994.
2. Symposium risk use of pesticides in homes and indoor -Faculty of Agriculture (El-Shatby) -Alexandria University-1996
3. 54th International Symposium on Crop Protection, Dept. of Crop Protection Chemistry, Faculty of Bioscience Engineering, Ghent University, Gent, Belgium, May 7, 2002.
4. 55th International Symposium on Crop Protection, Dept. of Crop Protection Chemistry, Faculty of Bioscience Engineering, Ghent University, Gent, Belgium, May 6, 2003.
5. 9th International Chitin-Chitosan Conference, Montreal, Québec, Canada, August 27-30, 2003.
6. 9th PhD Symposium on Applied Biological Sciences, University Hall, Leuven, Belgium, October 16, 2003.
7. 56th International Symposium on Crop Protection, Dept. of Crop Protection Chemistry, Faculty of Bioscience Engineering, Ghent University, Gent, Belgium, May 4, 2004.
8. 10th PhD Symposium on Applied Biological Sciences, University of Ghent, Hat Pand, Gent, Belgium, September 29, 2004.
9. 57th International Symposium on Crop Protection, Dept. of Crop Protection Chemistry, Faculty of Bioscience Engineering, Ghent University, Gent, Belgium, May 10, 2005
10. The 1st Conference of the Egyptian Society for Promotion of Scientific Research “Egypt in the new World of Science of Technology” Alexandria University, Egypt, 2006.
11. The conference of advantages and disadvantages of pesticides - Faculty of Agriculture (El-Shatby) University of Alexandria, Septamber 6-7, 2006.
12. Biovision Alexandria Conference. New life sciences: From promises to practice. Bibliotheca Alexandrina, Alexandria, Egypt, 12-16 April 2008.
13. Science Super Course day, Bibliotheca Alexandrina-Egypt, 5-6 January 2009.
14. Scientific Conference of the cereal crops and its role in the economic development of Arab- Faculty of Agriculture (El-Shatby) University of Alexandria, February 10, 2010.
15. Scientific Conference of academic research to the pesticide industry - Conference Hall - Faculty of Agriculture (El-Shatby), Alexandria University - March 2010.
16. Biovision Alexandria Conference. New life sciences: Future prospects. Bibliotheca Alexandrina, Alexandria, Egypt, 11-15 April 2010.

17. International Conference on Climate Change and Biological Diversity, Bibliotheca Alexandrina, Alexandria, Egypt, which was held in December 27, 2010.
18. The "Research-Industry Day: From Lab to Reality'" Bibliotheca Alexandrina, Alexandria, Egypt, which was held in July 28, 2011.
19. Biovision Alexandria Conference. New life sciences: Future prospects. Bibliotheca Alexandrina, Alexandria, Egypt, 11-15 April 2012.
20. Cairo International Conference for Clean Pest Management. Cairo, Egypt, 12-13 November 2012.
21. The first annual Conference of Alexandria University organized by the university at conference hall, Faculty of Medicine, entitled: "Health daughter of all science" emphasized that the conference will be held on Thursday, December 27-28, 2012.
22. TWAS-ARO 8th Annual Meeting "The Role of Science, Engineering and Technology in Achieving Sustainable Human Development in the Arab Region" Conference. This was held in 30-31 December 2012, at the Bibliotheca Alexandrina.
23. The 11th International Symposium on Biocontrol and Biotechnology- This was held in October 1-4, 2013, at the Bibliotheca Alexandrina-Alexandria – Egypt.
24. The 6th Alexandrina Conference of Food Science and Technology- Conference Hall - Faculty of Agriculture (El-Shatby), Alexandria University. This was held in 4-6 March 2014.
25. BioVision Alexandria 2014 Conference. The Conference will take place at the Bibliotheca Alexandrina on 7–9 April 2014.
26. The 3rd International Conference of Agriculture and Food Safety. October, 19-20, 2015, Alexandria, Egypt.
27. On science and innovation, Misr El Kheir Foundation. December, 27, 2015, El-Doki, Giza, Cairo, Egypt.
28. The 12th Arab congress of plant protection- Hurghada, Egypt, 4/11/2017.
29. BioVision Alexandria 2018 Conference. The Conference will take place at the Bibliotheca Alexandrina on 20–22 April 2018.
30. The Seventh International Conference on Sustainable Agriculture and the Environment, which was held on 27/8/2020 on the air at Sabilat University, Indonesia.
31. The LIVE Conference on Endocrinology & Diabetes- 31 March 2021- https://us02web.zoom.us/j/86365380799
32. The day of the earth: On the usage of Earth observations to address key environmental challenges along the sustainable development goals. 22 April 2021.

https://zoom.us/j/97431697601?pwd=RFByOG1pcWpUb0FjU1dOeU03UUJMUT09.

33. Smart Vision Investment EXPO, which was held on 3-5/11/2022 on four-season Hotel –Alexandria Egypt.
34. 3rd International Conference for Future Studies and Risk Management (ICFSRM 2022), 2-3 sep 2022.
35. AI Literacy webinar for academic librarians and library users. Notion Wave for the first session of our certified nano-course, "Competence in Research Innovation with AI." scheduled for October 22, 2025.
36. A lecture on "Carbon Footprint: Climate Change and Knowledge," organized by the Culture and Knowledge Research Council in cooperation with the Environmental Research Council of the Academy of Scientific Research and Technology, will be held via Zoom on October 23, 2025.
37. A forum entitled "Preparing Trainers in Light of 21st Century Skills" will be held by the Supreme Council of the Arab Thought Forum for Education and Training at the Intercontinental Crowne Plaza Mirage Smouha, Alexandria, on November 1 and 2, 2025.
38. The Third National Forum to Support Arab Women's Issues Larin Hall, Engineers Club, Alexandria on 1 November 2025.
39. AI Literacy webinar for academic librarians and library users. Notion Wave for the second session of our certified nano-course, "How to supercharge your research with prompt engineering." scheduled for November 5, 2025.
40. The fourth Scientific conference for Egyptian Entomologists 2025. The Conference will take place at conference hall, Faculty of Agriculture, El Shatby Alexandrina on 10 November 2025.
41. AI Literacy webinar for academic librarians and library users. Notion Wave for the third session of our certified nano-course, "**How to Conduct an Effective Research Gap Analysis with AI**." scheduled for November 19, 2025.
42. The 9th Lean Transformation and Digitalization Conference. Webinars@Symbios-Consulting.com. 14th February 2026.

Workshops and training courses:

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1. Training course on thinking skills, Alexandria University- Conference Hall- in June 2005.
2. Training course on Effective Communication Skills -Conference Hall - University of Alexandria in July 2005.
3. Training course for university teacher preparation -Alexandria University- Faculty of Education - July 2005.

4. Training course on writing scientific research and international publication - Conference Hall- Alexandria University - August 2006.
5. Training course on the use of technology in teaching (Teaching with Technology) -Conference Hall Alexandria University - August 2006.
6. Symposium rational use of pesticides to protect the rights and the environment- Faculty of Agriculture (Shatby) -Alexandria University - 2007.
7. Training course on modern trends in teaching the conference room, Alexandria University in June 2007.
8. Training course on the design decision (Curriculum Design) conference room, Alexandria University - July 2007.
9. Training course for the preparation of a research project (Preparing Research Project)- Conference Hall, Alexandria University - July 2007.
10. Training course in the area of analysis gas chromatographic instruments and analysis of liquid chromatography and mass spectroscopy (HPLC), GC/MS and LC/MS/MS - Faculty of Agriculture (El-Shatby) -Alexandria University in January 2010
11. Training course on examination systems for evaluating students - conference room, Alexandria University -Branch Damanhur, 6 - 8 February 2010.
12. Training course on the formulation of a wide variety of assessment tools, Alexandria University- Conference Hall -Branch Damanhur, 05/31 to 06/01 2010.
13. Lecture on the fight against cancer using nanotechnology, Bibliotheca Alexandrina, Alexandria, Egypt, which was held in December 23, 2010.
14. Lecture on the Scientific Research in Egypt. Damanhur University- Faculty of Science - Conference Hall - 05/4 -2011.
15. The "Climate Changes: An Introductory Workshop" which took place in Alexandria, on 16 February 2012.
16. TRANSLATOR'S DAY, which took place in Bibliotheca Alexandrina, BA Conference Center – Lectures Hall, Monday, 15 October 2012.
17. Lecture on the biological explanation for the adaptive response memory to stress and diseases "lessons learned from the heart", Lecture Hall - Faculty of Agriculture (El-Shatby), Alexandria University which was held in October 21, 2012.
18. Lecture on the Analytical methods: Sample preparation and chromatography", Lecture Hall - Faculty of Agriculture (El-Shatby), Alexandria University which was held in February, 17, 2013.
19. Health Education Club (HEC): Health Awareness Day on Hypertension. Which took place on 31 March 2013 at Bibliotheca Alexandrina Conference Center, lecture Hall.

20. Short course on the Introduction of Mass Spectrometry and its Application in Drug Metabolism - Prof. Dr. Rasmy E. Talaat -, which took place on 4-6 June 2013 at Bibliotheca Alexandrina Conference Center, lecture Hall.
21. Training course on Training of trainer for pesticide traders -The Ministry of Agriculture and Land Reclamation - Laboratory Center of Pesticides, 27/02/ 2017.
22. Training course on Evaluation and adoption of an educational program in higher education institutions Damanhur University- Faculty of Agriculture - Conference Hall – 12/7/2017.
23. The workshop on "Survey about the responsible conduct of research in Egypt" which was held on 9:00 am, Wednesday, 30th August 2017 in Faculty of Agriculture – Damanhour University.
24. Training of trainers to obtain a license for trafficking in pesticides from the Committee on Agricultural Pesticides, Ministry of Agriculture and Land Reclamation.
25. Regional on Wind Engineering Skills in Egypt and Tunisia. Aug 16, 2020 05:00 PM Cairo.
26. "HPLC Troubleshooting - Part 1".Tue, Nov 24, 2020 11:00 AM - 12:00 PM EET, Restek Webinars.
27. Crop Pest Diagnosis v2.0 (en). Academy CABI org. Oct 24, 2020.
28. Nature Research Academies: Logical Manuscript Structure in Collaboration with the EKB. January 11, 2021 10:00 AM -3.00 PM. Webinars.
29. Nature Research Academies: Successful Pre-submission Publishing Strategies in Collaboration with the EKB. January 13, 2021 10:00 AM -3.00 PM. Webinars.
30. Enhance your Research with Elsevier: How to Improve R&D Productivity with Reaxys? January 18, 2021, 1.00-2.30 PM. Elsevier-NRC Webinar series.
31. Nature Research Academies: Effective Post-submission Publishing Strategies in Collaboration with the EKB. Februay 3, 2021 10:00 AM -3.00 PM. Webinars.
32. Understanding Research Metrics: What Really Matters?. LetPub webinar at Wednesday, February 24, 2021.
33. C & EN webinar: A New Platform for GC-MS Analysis of Complex Samples sponsored by JEOL USA, Inc. March 16, 2021.
34. Webinar on Understanding the peer review and publication processes – How to get published. EKB training team, March 17th 2021.
35. Webinar on Advancing Research, Technology and Detection of PFAS in Our Environment, American Chemical Society, March 18, 2021.
36. Webinar on Development of New Solvents for CO2 Capture Using Molecular Simulations- March 23, 2021

37. Webinar 'ES&T: What was and what's next?' Environmental Science & Technology. Thursday, March 25, 2021.
38. Webinar on MALDI Tandem Mass Spectrometry – the Most Versatile Analytical Tool for Analysis of Polymeric Materials- American Chemical Society, March 30, 2021.
39. Webinar on Quantifying 1,4-Dioxane in Personal Care, Cosmetic and Cleaning Products. American Chemical Society, sponsored by Agilent Technologies. March 31, 2021.
40. Webinar on Accelerating Novel Peptide Therapies into Clinical Trials: A Partnership Approach. American Chemical Society, April 6, 2021.
41. Webinar on A step further towards achieving confidence in spectroscopy results: A Summary of ASTM D8340 Standard Practice for Performance-Based Qualification of Spectroscopic Analyzer Systems. American Chemical Society, April 8, 2021.
42. Webinar on Definitive Nanoparticle Dissolution Testing. American Chemical Society. April 15, 2021.
43. Webinar on Quality attributes and extended characterization of lent viral and gamma retroviral vectors using light scattering. American Chemical Society. April 20, 2021.
44. Webinar on Arbuscular Mycrorrhizal Fungi for Sustainable Agriculture. 5th webinar for American Society for Microbiology. June 30, 2021.
45. Webinar on Analytical Strategies for USP Residual Solvents Analysis Using Agilent Gas Chromatography Coupled with Flame Ionization and Mass Spectrometry Detectors. March 17, 2022
46. Webinar on HPTLC Online User Meeting, hosted by the HPTLC Association (UK), SelectScience on Thursday 17th March 2022.
47. Webinar on Power and Beauty: The Ease of Drawing Chemistry in 3D and Color on Wednesday 4th May 2022.
48. Webinar: Development of New Synthetic Methodologies Enabled by Advion Interchim Scientific Workflow. Thursday 5th May 2022.
49. Webinar on The Universal HPTLC Mix (UHM): A new concept for System Suitability Tests (SST) in high-performance thin-layer chromatography Association (UK), SelectScience on Tuesday 17th May 2022.
50. Webinar: Reviewing the literature from a critical perspective. WWW.peeref.com. Thursday 26th February 2026.
51. Webinar: Reducing similarity and understanding text recycling. WWW.peeref.com. Thursday 29th January 2026.
52. Webinar: "Practical SciNote Features for Real Lab Inventory Use Cases". SciNote LLC. February 25th, 2026.

53. The online Natural Products Seminar "Connecting the Dots: Recent Advances in Computational Metabolomics to Prioritise Relevant Metabolite Features", which will be delivered by Dr. Justin J.J. van der Hooft (Wageningen University & Research, The Netherlands). The seminar will take place on 27th February 2026. https://sulieia.it/#/conference/naturalproducts.
54. Lecture on: Is Battery Technology The Key to The Survival of Our Planet. The Academy of Scientific Research & Technology (ASRT) which was held in February 1st, 2026.

Participation in Societies and Scientific Journals:

1. Editor: Journal of Pest Control and Environmental Sciences (JPCES) (https://jpess.journals.ekb.eg/).
2. Editor: Journal of Agricultural and Environmental Sciences (https://jaesj.journals.ekb.eg/).
3. Membership in Journal of Alexandria Science Exchange (https://asejaiqjsae.journals.ekb.eg/).
4. Membership in Alexandria Journal of Agricultural Sciences (AJAS) (https://alexja.journals.ekb.eg/).
5. Membership in The Egyptian Science Magazine (https://esm.journals.ekb.eg/).
6. Reviewer in Bibliotheca Alexandrina.

Projects and other activities:

1) Participating in a project to assess the effectiveness of pesticides on cotton pests (insects insight into the absorbent) cotton leaf worm (laboratory / fields in) Bollworms first year in Behera governorate funded by the Fund to support research solutions of problems of applied field - the Institute of Plant Protection - Ministry of Agriculture- 15/5/2007 for a period of 1 year.
2) Sharing in the Quality Assurance and Accreditation project, Faculty of Agriculture, Damanhur University.
3) Participating in a project "Innovation in the development and application of edible chitosan coatings with pesticides degradable enzymes as a promising technology for packing and preservation of perishable agricultural commodities" funded by Misr El Kheir Foundation: Science, Technology and Innovation (STI) Program (2012).
4) Researcher alternate in a research project No. 917 "Evaluation of the effectiveness of pesticides on snails in gardens and fields," the governorate of Beheira and funded by the Ministry of Agriculture and Land Reclamation

(Committee evaluation account and registration of agricultural pesticides) (2014).

5) Researcher alternate in a research project No. 917 "Evaluation of the effectiveness of pesticides on snails in gardens and fields," the governorate of Beheira and funded by the Ministry of Agriculture and Land Reclamation (Committee evaluation account and registration of agricultural pesticides) (2017).
6) Principal Investigator in the project to evaluate the effectiveness of herbicides on different summer crops (seedling rice and full-grown rice), Project 1286 - at the Faculty Farm, Damanhour University, Beheira Governorate, funded by the Fund for Supporting Research on Applied and Field Problem Solutions, Plant Protection Institute - Ministry of Agriculture.

Referee for International Journals:

No.	**Journal Name**	**Publisher**
1	African Journal of Microbiology Research	**Academic Journals**
2	Asian Journal of Agriculture and Food Sciences	**http://www.ajouronline.com/index.php/AJAFS**
3	African Journal of Agricultural Research	Academic Journals
	Aquaculture International (1 review)	Springer Nature Switzerland AG
4	Biocatalysis and Agricultural Biotechnology (4 reviews)	**ScienceDirect**
5	Current Research in Food Science (2 reviews)	**ScienceDirect**
6	Crop Protection	**ScienceDirect**
7	Chemosphere	ScienceDirect
8	Environmental International (2 reviews)	ScienceDirect
9	Food Bioscience (2 reviews)	ScienceDirect
10	International Journal of Polymer Science	Hindawi Publishing Corporation
11	International Journal of Agricultural Research and Crop Sciences (IJARCS)	ACTA Scientific
12	International Journal of Biological Macromolecules (4 reviews)	ScienceDirect
13	Journal of Cell and Animal Biology	Academic Journals
14	Journal of Biopesticides	**Crop Protection Research Centre,** Manonmaniam Sundaranar University, India.
15	Journal of Mycology	Hindawi Publishing Corporation
16	Journal of Agricultural Engineering and Biotechnology	Bowen Publishing

17	Journal of Environmental Science and Health, Part B.	Taylor and Francis
18	Mycoses	Blackwell Verlag GmbH
19	Natural Product Research	Taylor & Francis
20	Pesticide Biochemistry and Physiology (7 reviews)	ScienceDirect
21	Polymer International	Wiley interscience
22	Polymer testing (2 reviews)	ScienceDirect
23	Scientific Reports (1 review)	Springer Nature Switzerland AG
	South Asian Journal of Research in Microbiology (1 review)	http://dx.doi.org/10.9734/sajrm (Link)
24	The Philippine Agricultural Scientist	UPLB Journals Online
25	Current Research in Food Science	ScienceDirect
26	Frontiers in Chemistry	Frontiers
27	Journal of Biologically Active Products from Nature	Taylor & Francis
28	Fine **C**hemical Engineering (1 review)	Universal Wiser Publisher

Publications:

2026

1. Mohamed E. I. Badawy, Gehan I. Kh. Marei, Azza G. A. Reyad, Entsar I ... (2026). Synthesis, structure, and application of new benzyl-functionalized chitosan derivatives and their tripolyphosphate cross-linked nanoparticles as antimicrobial agents. Journal of Carbohydrate Chemistry
2. AGA Reyad, MA Abbassy, GIK Marei, EI Rabea (2026). Synthesis, Characterization and Toxicity Assessment of Chlorantraniliprole Nanosuspension and Its Environmental Risk. Fine Chemical Engineering, 133-145.
3. YIG Abd-Elhady, EI Rabea, GIK Marei, MA Abbassy (2026). Essential oil nanoemulsions as promising nanofungicides for managing various plant pathogenic fungi. Journal of Pest Control and Environmental Sciences 26 (1), 41-54.
4. Entsar E. I. Rabea; Gehan E. K. Marei; Hoda M. Nasr; Asmaa E. A. Ahmed; Fares F. F. Gayed; Ghada Y. A. Youssef; Ghada R. A. Younis; Mariam S. G. Saad; Merna H. M. Mohamed; Mohamed M. M. Abdelfattah; Ola B. A. Abdelhady; Omnia M. A. Hussein; Sagda A. M. Ragab; Walaa H. M. Hemdan; Walaa M. A. Abdelsalam; Mohamed E. I. Badawy (2026). Development and efficacy of a novel, scalable eco-friendly trap for housefly (Musca domestica L.) control. Journal of Pest Control and Environmental Sciences, 26 (1), 11–17.

2025

5. AGA Reyad, MA Abbassy, GIK Marei, EI Rabea (2025). RELATIVE ASSESSMENT OF THE PERFORMANCE OF CASTOR LEAF AND TWO ARTIFICIAL DIETS IN THE REARING OF FALL ARMYWORM, Spodoptera frugiperda (Lepidoptera: Noctuidae). Journal of Agricultural and Environmental Sciences 24 (3), 37-55
6. Ola S. Ali, Hoda M. Nasr, Entsar I. Rabea, Mona A. Abd Elrasoul and Mohamed Singab (2025). Differential Susceptibility of Laboratory and Field Strains of Spodoptera littoralis Boisd (Lepidoptera: Noctuidae) to Insect Growth Regulators. J. Agric. & Env. Sci. 24 (3), 1-19.
7. GIKM Abd-Elghany, Islam K.F., Moustafa A. Abbassy, Entsar I. Rabea 2025 METALAXYL NANOEMULSION: SYNTHESIS, CHARACTERIZATION AND ITS EFFICACY AGAINST PLANT PATHOGENIC FUNGI J. Agric. & Env. Sci 24 (1), 24-46
8. Hamed, M. S., Nasr, H. M., Abbassy, M. A., & Rabea, E. (2025). Comparative Efficacy of Chitosan-Silver Nanoparticles and Bioproducts as Alternative Strategies Against Root-Knot Nematode Meloidogyne incognita, and Their Impact on The Non-Target Organisms. Alexandria Science Exchange Journal, 46(2), 489-505.

9. AMA Abd-Elghany I. K. F., Rabea E.I., Marei G. I. Kh., Nasr H. M. (2025). Preparation and in vitro antifungal evaluation of difenoconazole nanoemulsion for efficient transport into fungal cells. Assiut Journal of Agricultural Sciences, In Press
10. Abd-Elghany I.K.F.; Rabea E.I; Marei G.I.Kh.; Nasr H.M.; Abbassy M.A. (2025). Ultrasonic Fabrication and Evaluation of Azoxystrobin Nanoemulsion against Plant Pathogenic Fungi Journal of the Advances in Agricultural Researches 30 (2), 236-247.

2024

11. Hamed M., S. Nasr H., M., Abbassy M., A and Rabea E. 2024 Assessment of nematicidal efficacy of some biomaterials against Meloidogyne incognita on eggplant (Solanum melongena L.) Journal of Agricultural Sciences and Sustainable Development 1 (1), 35-52

2023

12. AGA Reyad, GIK Marei, MA Abbassy, EI Rabea, MEI Badawy (2023) Sustainable alternative for sorption of some insecticides from water and their detection by UV/Vis spectrophotometry International Journal of Modern Agriculture and Environment 3 (1), 29-48
13. AGA Reyad, MA Abbassy, GIK Marei, MEI Badawy, EI Rabea (2023) Eco-friendly products for sorption of fenamiphos, imidacloprid, and oxamyl pesticides from water and their detection by UV/VIS spectrophotometry 06(01), 040–058.
14. Azza G. A. Reyad, Moustafa A. Abbassy, Gehan I. Kh. Marei, Entsar I. Rabea &Mohamed E. I. Badawy Removal of fenamiphos, imidacloprid, and oxamyl pesticides from water by microalgal Nannochloropsis oculata biomass and their determination by validated HPLC method Journal of Environmental Science and Health, Part B Volume 58, 2023 - Issue 4 Pages 345-356

2022

15. El Ashry, E. H.; Awad, L. F.; Badawy, M. E. I.; **Rabea, E. I.**; Ibrahim, N. A.; Abd Al Moaty, M. N. (2022). Synthesis, antibacterial, antioxidant, and molecular docking studies of 6-methylpyrimidin-4 (3H)-one and oxo-1, 2, 4-triazolo [4, 3-a] pyrimidine derivatives. *Journal of Molecular Structure*. 131551
16. MEI Badawy, MAM El-Nouby, PK Kimani, LW Lim, **EI Rabea** (2022). A review of the modern principles and applications of solid-phase extraction techniques in chromatographic analysis Analytical Sciences 1-31
17. AGA Reyad, MA Abbassy, **EI Rabea**, M Bedawy (2022). Potential Removal of Some Insecticides from Water using Microalgae and their Determination by a Validated UV-Vis Spectrophotometric Method. Alexandria Science Exchange Journal 43 (4), 431-450.

2021

18. MEI Badawy, **EI Rabea**, AR Eid, MM Badr, GIK Marei (2021). Structure and antimicrobial comparison between N-(benzyl) chitosan derivatives and N-(benzyl) chitosan tripolyphosphate

nanoparticles against bacteria, fungi, and yeast. International Journal of Biological Macromolecules 186, 724-734
19. SFE Mohsen, MA Abbassy, HK Abou-Taleb, **EI Rabea** (2021). Plant Lectins as Insecticidal Agents against Cotton Leafworm Spodoptera littoralis and Their Potential Applications in Crop Protection. The Natural Products Journal 11 (4), 569-582

2020

20. Mohamed EI Badawy, **Entsar I Rabea**, Samir AM Abdelgaleil (2020). Studies on the EC50 of Natural Monoterpenes as Fungal Inhibitors with Quantitative Structure-Activity Relationships (QSARs) The Natural Products Journal 10 (1), 44-60.

2019

21. MA Samy, MA Abbassy, EE Hafez, **EI Rabea**, DG Aseel (2019). Biosynthesis and Characterization of Silver Nanoparticles Produced by Plant Extracts and Its Antimicrobial Activity South Asian Journal of Research in Microbiology, 1-14
22. GI Marei, **EI Rabea**, MEI Badawy (2019). In Vitro Antimicrobial and Antioxidant Activities of Monoterpenes against some Food-Borne Pathogens Journal of Plant Protection and Pathology 10 (1), 87-94.
23. **E Rabea**, G Marei, M Badawy (2019). Ultrasonic Emulsification and Characterizations of Bio-based Nanoemulsion Formulations Containing Citral with Their ntimicrobial Activity Egyptian Society of Biological Sciences
24. MEI Badawy, GIK Marei, **EI Rabea**, NEM Taktak (2019). Antimicrobial and antioxidant activities of hydrocarbon and oxygenated monoterpenes against some foodborne pathogens through in vitro and in silico studies Pesticide Biochemistry and Physiology
25. GIK Marei, YMM Mohammed, **EI Rabea**, MEI Badawy (2019). Isolation, characterisation and efficacy of the bacterial strain Lysinibacillus sphaericus YMM in biodegradation of malathion insecticide in liquid media International Journal of Environmental Studies 76 (4), 616-633.
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