

Curriculum Vitae

Dr. Sayed K. Ramadan



Name	Sayed Karam Ramadan Emam Dahroug			
Gender	Male	Birth Date	01-Oct-1987	
Marital Status	Married	Military Status	Exempt	
Nationality	Egyptian			
Tel. (Business)	202-24831836	Mobile	201119243757	
E-Mails	sayed.karam2008@sci.asu.edu.eg		sayed_karam88@yahoo.com	
Education	<ul style="list-style-type: none">• PhD. in Chemistry, Faculty of Science, Ain Shams University, 2017.• MSc. in Chemistry, Faculty of Science, Ain Shams University, 2013.• BSc. in Chemistry, Faculty of Science, Ain Shams University, 2008 (Excellent with honors).			
Specialization	General	Chemistry		
	Specific	Organic Chemistry		
Career History	<ul style="list-style-type: none">• Associate Professor of Organic Chemistry, Chemistry Department, Faculty of Science, Ain Shams University (26/12/2022 - till now)• Assistant Professor of Organic Chemistry, Chemistry Department, Faculty of Science, Ain Shams University (21/10/2017 – 25/12/2022)• Associate Lecturer at Chemistry Department, Faculty of Science, Ain Shams University (18/12/2013 - 20/10/2017)• Demonstrator at Chemistry Department, Faculty of Science, Ain Shams University (24/3/2010 - 17/12/2013)			
Professional Experience	<ul style="list-style-type: none">• Academic Advisor in the chemistry department.• Vice President of Control of Biological Sciences from May 2020 until July 2021.• Participation as a member of the Schedule Committee in the Division of Organic Chemistry and the Department, the Academic Guidance Committee, and the Committee for the Development of Practical Courses in the Division.• I am the administrator of the official page of the department on the social networking site "Facebook".• Participation in the development of student laboratory experiments in the Division.• Participation in quality work, and responsible for the quality committee at the third level 2018-2021.• Supervising graduation research for students of the Division of Chemistry and Applied Chemistry.			
Courses Teaching	<ul style="list-style-type: none">• Aliphatic and Aromatic Chemistry (CHEM 251)• Amino acids and Proteins (CHEM 254, CHEM 363, 326 C)• Chemistry of Heterocyclic Compounds and Alkaloids (CHEM 460)• Chemotherapy (CHEM 415, CHEM 362, 418 C)• Chemistry of Lipids (CHEM 462, CHEM 319)• Dyes (CHEM 353)• Stereo Chemistry (CHEM 214, 321 C, 401 C)• Non-traditional methods in organic synthesis (CHEM 703)			

**Dr. Sayed K. Ramadan**

Practical Teaching in Organic Laboratory	<ul style="list-style-type: none"> • Preliminary Tests of Organic Compounds. • Characterization of Inorganic Salts (Anions and Cations). • Characterization and Separation of Mixtures of Inorganic Cations. • Synthesis and Spectroscopic Characterization of Organic Dyes, Simple, and Heterocyclic Organic Compounds. • Separation of Mixtures of Organic Materials. • Qualitative and Quantitative Analysis of Organic Compounds. 	
Research Interest	Organic Chemistry, Organic Synthesis, Heterocyclic Synthesis, Medicinal Chemistry, Spectroscopy, Characterization.	
Supervision	<ul style="list-style-type: none"> • Supervised 1 awarded MSc. and 2 awarded PhD. theses in Organic Chemistry. • Supervise 6 current PhD. theses in Organic Chemistry. 	
Projects	<ul style="list-style-type: none"> • Member in the project entitled “Novel organic compounds enhancing the photocatalytic activity of TiO₂ nanoparticles toward the visible range for simulated wastewater treatment”, funded by STDF/STIFA, with a project code: 37139. 	
Awards	<ul style="list-style-type: none"> • Ain Shams Incentive Award in Basic Sciences (2023) 	
Membership and Reviewer activity	<ul style="list-style-type: none"> • Review Editor at Frontiers in Chemistry • Certified PUBLONS Academy Peer Reviewer • Bentham Ambassador • Member at Egyptian Heterocyclic Chemical Society (EHCS) • Editorial board member at Science Research Association (SCIREA) • Reviewer at many scientific journals like: <ul style="list-style-type: none"> • ACS Omega • RSC Advances • Arabian Journal of Chemistry • European Journal of Organic Chemistry • Scientific Reports 	<ul style="list-style-type: none"> • Chemistry & Biodiversity • Open Chemistry • ChemistrySelect • Journal of Heterocyclic Chemistry • Journal of Medicinal Chemistry • Journal of Molecular Structure • Egyptian Journal of Chemistry • Oriental Journal of Chemistry • Studies in Natural Products Chemistry (SNPC) • Food Chemistry Advances • Future Medicinal Chemistry • Journal of the Chemical Society of Pakistan
Training Courses & Workshops	<ul style="list-style-type: none"> • Computational Chemistry in Education and Research Training • Fundamentals of Digital Transformation • Use of the E-Learning System (MOODLE) • Leadership • Legal Aspects of University Business • Anti-corruption and Egypt's Vision 2030 • Credit Hours and Academic Advising • Negotiation and Persuasion Skills • The Way to Scopus • Open Access for Egypt • Research Team Management • Quality in the Educational Process 	<ul style="list-style-type: none"> • Communication Skills • Quality and Performance in Scientific Research • Relevant Skills in International Publications • Microsoft Teams • Microsoft Forms • Digital Signature • Correct Assessment • How to Easily Navigate Through Springer Nature Platform in Collaboration with Egyptian Knowledge Bank
Conferences	<ul style="list-style-type: none"> • The 9th Scientific Conference, Ain Shams University, 2021 "The Fourth Generation of Universities Between Reality and Hope" 	



Websites	https://www.scopus.com/authid/detail.uri?authorId=36922519700 https://orcid.org/0000-0003-2743-6544 http://www.researcherid.com/rid/G-2565-2018 http://research.asu.edu.eg/jspui/cris/rp/rp02230 https://scholar.google.com.eg/citations?user=kIoFJnkAAAAJ&hl=en		
Researcher ID	G-2565-2018	ORCID ID	0000-0003-2743-6544
<i>h</i> -index (Scopus)	21	SCOPUS ID	36922519700

List of PhD. and MSc. theses under my Supervision

- 1) Using of some 2(3*H*)-Furanone derivatives as building block for synthesis of some nitrogen heterocycles of anticipated biological activity.
“MSc thesis 2021” By: **Nourhan Mahmoud Gad Ahmed**.
- 2) New innovative study, reactions and anticipated biological evaluation of some heterocyclic compounds.
“PhD thesis 2022” By: **Mohamed Mahfouz Kaddah Fathy**.
- 3) Metal-organic framework-derived heterogeneous catalysts for hydrogen generation from NaBH₄ hydrolysis and CO₂ conversion to ultra – clean fuels and value-added chemicals.
“PhD thesis” By: **Nermin Moustafa Mohamed Youssef**.
- 4) Utilization of Some Furanone Derivatives for Construction of Biologically Important Heterocycles. “PhD thesis” By: **Mariam Sameh Hussein Kazem**.
- 5) Synthesis of some heterocyclic compounds containing nitrogen and studying their behavior towards some carbon electrophiles.
“PhD thesis” By: **Karima Noury Mahmoud Halim**.
- 6) Synthesis and Applications of New Heterocyclic Compounds as Corrosion Inhibitors During Chemical Cleaning and Biocides Against Corrosive Bacteria.
“PhD thesis” By: **Ali Hassan Abdelrahman**.
- 7) Synthesis, Characterization and Biological Evaluation of Some Novel Heterocyclic Compounds Containing Nitrogen.
“PhD thesis” By: **Nourhan Mahmoud Gad Ahmed**.
- 8) Synthesis of Heterocyclic Compounds with Predicted Biological Activity.
“PhD thesis” By: **Ahmed Ahmed Mohamed Moustafa El-Sewedy**.
- 9) Corrosion Mitigation of Carbon Steel Using Some Pyrazole Derivatives.
“PhD thesis” By: **Basma Mohamed Ahmed Metwally Khedr**



List of my Publications

- [1] Novel synthesis of some imidazolyl-, benzoxazinyl-, and quinazolinyl-2,4-dioxothiazolidine derivatives.
Ali M. Youssef, Ahmed K. El-Ziaty, Wael SI Abou-Elmagd, Sayed K. Ramadan.
Journal of Heterocyclic Chemistry, 2015, 52, 278-283. [DOI: 10.1002/jhet.1943](https://doi.org/10.1002/jhet.1943)
- [2] Behavior of some 2(3H)-furanones bearing a chromone moiety as alkylating agents.
Ahmed K. El-Ziaty, Wael S.I. Abou-Elmagd, Sayed K. Ramadan, Ahmed I. Hashem.
Egyptian Journal of Chemistry, 2016, 59(4), 637-646.
[DOI: 10.21608/EJCHEM.2016.1440](https://doi.org/10.21608/EJCHEM.2016.1440)
- [3] Synthesis and antitumor activity evaluation of some N-heterocycles derived from pyrazolyl-substituted 2(3H)-furanone.
Wael SI Abou-Elmagd, AK El-Ziaty, MI Elzahar, Sayed K. Ramadan, Ahmed I Hashem.
Synthetic Communications, 2016, 46(14), 1197-1208.
[DOI: 10.1080/00397911.2016.1193755](https://doi.org/10.1080/00397911.2016.1193755)
- [4] Synthesis and biological screening of some chromonyl-substituted heterocycles derived from 2(3H)-furanone derivative.
Ahmed K. El-Ziaty, Wael S.I. Abou-Elmagd, Sayed K. Ramadan, Ahmed I. Hashem.
Synthetic Communications, 2017, 47(5), 471-408.
[DOI: 10.1080/00397911.2016.1271896](https://doi.org/10.1080/00397911.2016.1271896)
- [5] Ring Transformation of a 2(3H)-furanone Derivative into Oxazinone and Pyrimidinone Heterocycles.
Ahmed I. Hashem, Wael S.I. Abou-Elmagd, Ahmed K. El-Ziaty, Sayed K. Ramadan.
Journal of Heterocyclic Chemistry, 2017, 54, 3711-3715.
[DOI: 10.1002/jhet.2937](https://doi.org/10.1002/jhet.2937)
- [6] Synthesis and antimicrobial evaluation of some novel heterocycles derived from chromonyl-2(3H)-furanone.
Sayed K. Ramadan, Eman A.E. El-Helw.
Journal of Chemical Research, 2018, 42, 332-336.
[DOI: 10.3184/174751918X15295796734379](https://doi.org/10.3184/174751918X15295796734379)
- [7] Synthesis, spectral characterization, cytotoxic, and antimicrobial activities of some novel heterocycles utilizing 1,3-diphenylpyrazole-4-carboxaldehyde thiosemicarbazone.
Sayed K. Ramadan, Hanan A. Sallam.
Journal of Heterocyclic Chemistry, 2018, 55, 1942-1954. [DOI: 10.1002/jhet.3232](https://doi.org/10.1002/jhet.3232)



[8] Synthesis and anti H₅N₁ activities of some novel fused heterocycles bearing pyrazolyl moiety.

Sayed K. Ramadan, Wael S.I. Abou-Elmagd.

Synthetic Communications, 2018, 48(18), 2409-2419.

[DOI: 10.1080/00397911.2018.1491995](https://doi.org/10.1080/00397911.2018.1491995)

[9] Reactions of 2(3*H*)-furanones: A Review.

Sayed K. Ramadan, Wael S.I. Abou-Elmagd, Ahmed I. Hashem.

Synthetic Communications, 2019, 49(22), 3031-3057.

[DOI: 10.1080/00397911.2019.1647441](https://doi.org/10.1080/00397911.2019.1647441)

[10] Cytotoxic and antimicrobial activities of some novel heterocycles employing 6-(1,3-diphenyl-1*H*-pyrazol-4-yl)-4-oxo-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carbonitrile.

Sayed K. Ramadan, Eman A.E. El-Helw, Hanan A. Sallam.

Heterocyclic Communications, 2019, 25(1), 107-115. [DOI: 10.1515/hc-2019-0008](https://doi.org/10.1515/hc-2019-0008)

[11] Efficient Microwave-Assisted Synthesis of Some *N*-Heterocycles Integrated with a Pyrazole Moiety.

Sayed K. Ramadan, Eman A.E. El-Helw.

Russian Journal of Organic Chemistry, 2019, 55(10), 1626-1628.

[DOI: 10.1134/S1070428019100282](https://doi.org/10.1134/S1070428019100282)

[12] 2-Cyano-*N'*-[(1,3-diphenyl-1*H*-pyrazol-4-yl)methylidene]acetohydrazide in the Synthesis of Nitrogen Heterocycles.

Sayed K. Ramadan, Eman A.E. El-Helw, Mohammad E. Azab.

Russian Journal of Organic Chemistry, 2019, 55(12), 1940-1945.

[DOI: 10.1134/S1070428019120224](https://doi.org/10.1134/S1070428019120224)

[13] Alkylation of 2(3*H*)-Furanones: Inter- versus Intra-molecular.

Sayed K. Ramadan, Wael S.I. Abou-Elmagd, Ahmed I. Hashem.

Letters in Organic Chemistry, 2020, 17(6), 430-433.

[DOI: 10.2174/1570178617666191203102528](https://doi.org/10.2174/1570178617666191203102528)

[14] Facile and expedient synthesis and anti-proliferative activity of diversely pyrrolones bearing 1,3-diphenylpyrazole moiety.

Sayed K. Ramadan, Safaa S. Shaban, Ahmed I. Hashem.

Synthetic Communications, 2020, 50(2), 185-196.

[DOI: 10.1080/00397911.2019.1691737](https://doi.org/10.1080/00397911.2019.1691737)

[15] Synthesis, DFT study, molecular docking and insecticidal evaluation of some pyrazole-based tetrahydropyrimidine derivatives.

Karema N.M. Halim, Sayed K. Ramadan, Sameh A. Rizk, Maher A. El-Hashash.

Synthetic Communications, 2020, 50(8), 1159-1175.

[DOI: 10.1080/00397911.2020.1720739](https://doi.org/10.1080/00397911.2020.1720739)



[16] Cytotoxic activity and density functional theory studies of some 1,3-diphenylpyrazolyltetrahydropyrimidine derivatives.

Sayed K. Ramadan, Karema N.M. Halim, Sameh A. Rizk, Maher A. El-Hashash, *Journal of the Iranian Chemical Society*, **2020**, 17, 1575-1589.

[DOI: 10.1007/s13738-020-01880-8](https://doi.org/10.1007/s13738-020-01880-8)

[17] Synthesis and antiviral activity of some pyrrolonyl substituted heterocycles as additives to enhance inactivated Newcastle disease vaccine.

Alaa R.I. Morsy, **Sayed K. Ramadan**, Mounir M. Elsafty. *Medicinal Chemistry Research*, **2020**, 29, 979-988.

[DOI: 10.1007/s00044-020-02538-z](https://doi.org/10.1007/s00044-020-02538-z)

[18] Efficient synthesis of some pyrimidine and thiazolidine derivatives bearing quinoline scaffold under microwave irradiation.

Abeer M. El-Naggar, **Sayed K. Ramadan**. *Synthetic Communications*, **2020**, 50(14), 2188-2198.

[DOI: 10.1080/00397911.2020.1769673](https://doi.org/10.1080/00397911.2020.1769673)

[19] Design, synthesis and in silico studies of new quinazolinone derivatives as antitumor PARP-1 inhibitors.

Sayed K. Ramadan, Eman Z. Elrazaz, Khaled A.M. Abouzid, Abeer M. El-Naggar. *RSC Advances*, **2020**, 10, 29475-29492. [DOI: 10.1039/d0ra05943a](https://doi.org/10.1039/d0ra05943a)

[20] Synthesis, antiproliferative activity and molecular docking of some N-heterocycles bearing a pyrazole scaffold against liver and breast tumors.

Sayed K. Ramadan, Ahmed K. El-Ziaty, Rania S. Ali. *Journal of Heterocyclic Chemistry*, **2021**, 58(1), 290-304. [DOI: 10.1002/jhet.4168](https://doi.org/10.1002/jhet.4168)

[21] Straightforward synthesis, antiproliferative screening and density functional theory study of some pyrazolylpyrimidine Derivatives.

Karema NM Halim, Sameh A. Rizk, Maher A. El-Hashash, **Sayed K. Ramadan**. *Journal of Heterocyclic Chemistry*, **2021**, 58(2), 636-645. [DOI: 10.1002/jhet.4204](https://doi.org/10.1002/jhet.4204)

[22] Synthesis and antioxidant evaluation of some heterocyclic candidates from 3-(1,3-diphenyl-1H-pyrazol-4-yl)-2-(4-oxo-4H-benzo[d][1,3]oxazin-2-yl)propanonitrile.

Sayed K. Ramadan, Ahmed K. El-Ziaty, Eman A. E. El-Helw. *Synthetic Communications*, **2021**, 51(8), 1272-1283.

[DOI: 10.1080/00397911.2021.1879152](https://doi.org/10.1080/00397911.2021.1879152)



[23] **Reactivity of 5-phenyl-3-[(2-chloroquinolin-3-yl)methylene]furan-2(3H)-one towards hydrazine and benzylamine: A Comparative Study.**

Nourhan M. Gad, Wael S.I. Abou-Elmagd, David S.A. Haneen, Sayed K. Ramadan. *Synthetic Communications*, **2021**, 51(9), 1384-1397.

[DOI: 10.1080/00397911.2021.1882498](https://doi.org/10.1080/00397911.2021.1882498)

[24] **Synthesis, characterization, computational chemical studies and antiproliferative activity of some heterocyclic systems derived from 3-(3-(1,3-diphenyl-1H-pyrazol-4-yl)acryloyl)-2H-chromen-2-one.**

Mohamed M Kaddah, Abdelgawad A. Fahmi, M.M. Kamel, Sayed K. Ramadan, SA. Rizk. *Synthetic Communications*, **2021**, 51(12), 1798-1813.

[DOI: 10.1080/00397911.2021.1904991](https://doi.org/10.1080/00397911.2021.1904991)

[25] **New potential fungicides pyrazole-based heterocycles derived from 2-cyano-3-(1,3-diphenyl-1H-pyrazol-4-yl)acryloyl isothiocyanate.**

Sayed K. Ramadan, Nasser A. Ibrahim, Sarah A. El-Kaed, Eman A.E. El-Helw. *Journal of Sulfur Chemistry*, **2021**, 42(5), 529-546.

[DOI: 10.1080/17415993.2021.1909591](https://doi.org/10.1080/17415993.2021.1909591)

[26] **Synthesis and biological activity on IBD virus of diverse heterocyclic systems derived from 2-cyano-N'-((2-oxo-1,2-dihydroquinolin-3-yl)methylene)acetohydrazide.**

Mohamed M. Kaddah, A.R.I. Morsy, Abdelgawad A. Fahmi, Mustafa M. Kamel, Sameh A. Rizk, Sayed K. Ramadan.

Synthetic Communications, **2021**, 51(22), 3366–3378.

[DOI: 10.1080/00397911.2021.1970776](https://doi.org/10.1080/00397911.2021.1970776)

[27] **Synthesis, density functional theory, and cytotoxic activity of some heterocyclic systems derived from 3-(3-(1,3-diphenyl-1H-pyrazol-4-yl)acryloyl)-2H-chromen-2-one.**

Sayed K. Ramadan, Sameh A. Rizk.

Journal of the Iranian Chemical Society, **2022**, 19, 187-201.

[DOI: 10.1007/s13738-021-02298-6](https://doi.org/10.1007/s13738-021-02298-6)

[28] **Synthesis, SAR Studies, and Insecticidal Activities of Certain N-Heterocycles Derived from 3-((2-chloroquinolin-3-yl)methylene)-5-phenylfuran-2(3H)-one Against Culex pipiens L. larvae.**

Sayed K. Ramadan, Doaa R. Abdel Haleem, Hisham S.M. Abd-Rabboh, Nourhan M. Gad, Wael S.I. Abou-Elmagd, David S.A. Haneen.

RSC Advances, **2022**, 12, 13628. [DOI: 10.1039/d2ra02388a](https://doi.org/10.1039/d2ra02388a)



[29] 3-Aryl/hetaryl-2-cyanoacryloyl chlorides: Synthesis and Reactions with Binucleophiles Targeting Heterocycles

Eman A.E. El-Helw, Ahamed K. El-Ziaty, Sayed K. Ramadan

Egyptian Journal of Chemistry, **2022**, 65 (11), 565-572.

[DOI: 10.21608/EJCHEM.2022.152901.6621](https://doi.org/10.21608/EJCHEM.2022.152901.6621)

[30] Ultrasonic Promoted Regioselective Reactions of The Novel Spiro 3,1-Benzoxazon-isobenzofuranone Dye Towards Some Organic Base Reagents.

Aya I. Hassaballah, Sayed K. Ramadan, Sameh A. Rizk, Eman A.E. El-Helw, Salwa S. Abdelwahab.

Polycyclic Aromatic Compounds, **2023**, 43 (4), 2973-2989.

[DOI: 10.1080/10406638.2022.2061021](https://doi.org/10.1080/10406638.2022.2061021)

[31] Rodenticidal Activity of Some Quinoline-Based Heterocycles Derived from Hydrazide-hydrazone Derivative.

Mohamed M. Kaddah, Abdelgawad A. Fahmi, MM Kamel, SA Rizk, Sayed K. Ramadan.

Polycyclic Aromatic Compounds, **2023**, 43 (5), 4231-4241.

[DOI: 10.1080/10406638.2022.2088576](https://doi.org/10.1080/10406638.2022.2088576)

[32] Synthesis and characterization of some chitosan-quinoline nanocomposites as potential insecticidal agents.

Sayed K. Ramadan, Hisham S.M. Abd-Rabboh, Nourhan M. Gad, Wael S.I. Abou Elmagd, David S.A. Haneen.

Polycyclic Aromatic Compounds, **2023**, 43 (8), 7013-7026.

[DOI: 10.1080/10406638.2022.2128831](https://doi.org/10.1080/10406638.2022.2128831)

[33] Photosensitization of TiO₂ microspheres by novel Quinazoline-derivative as visible-light-harvesting antenna for enhanced Rhodamine B photodegradation.

Mahmoud A. Hamza, S.A. Rizk, Ezz-Elregal M. Ezz-Elregal, Shaimaa A. Abd El-Rahman, Sayed K. Ramadan, Zeinab M. Abou-Gamra.

Scientific Reports, **2023**, 13 (1), 12929. [DOI: 10.1038/s41598-023-38497-9](https://doi.org/10.1038/s41598-023-38497-9)

[34] One-pot synthesis, computational chemical study, molecular docking, biological study, and *in silico* prediction ADME/pharmacokinetics properties of 5-substituted 1H-tetrazole derivatives.

Ahmed El-Sewedy, E.A. El-Bordany, NFH Mahmoud, KA Ali, Sayed K. Ramadan.

Scientific Reports, **2023**, 13, 17869.



- [35] **Synthesis and Antioxidant Activity of Some Benzoquinoline-Based Heterocycles Derived from 2-((3-Chlorobenzo[f]quinolin-2-yl)methylene)hydrazine-1-carbothioamide.**
Mahmoud Asran, Eman A.E. El-Helw, M.E. Azab, Sayed K. Ramadan, M.H. Helal. *Journal of the Iranian Chemical Society*, **2023**, 20, 3023-3032.
[DOI: 10.1007/s13738-023-02894-8](https://doi.org/10.1007/s13738-023-02894-8)
- [36] **Synthesis, Cytotoxic, and Antioxidant Activity of Some Benzoquinoline-Based Heterocycles.**
Eman A.E. El-Helw, Mahmoud Asran, M.E. Azab, M.H. Helal, Sayed K. Ramadan. *Polycyclic Aromatic Compounds*, **2023** (in press).
[DOI: 10.1080/10406638.2023.2270767](https://doi.org/10.1080/10406638.2023.2270767)
- [37] **Synthesis and antimicrobial activity of thiophene-based heterocycles derived from thiophene-2-carbohydrazide.**
Eman A.E. El-Helw, A.Y. Alzahrani, Sayed K Ramadan.
Future Medicinal Chemistry, **2024**, 16 (5), 439-451. [DOI: 10.4155/fmc-2023-0304](https://doi.org/10.4155/fmc-2023-0304)
- [38] **The enhanced visible-light-driven photocatalytic performance of nanocrystalline TiO₂ decorated by quinazolinone-photosensitizer toward photocatalytic treatment of simulated wastewater.**
Mahmoud A. Hamza, Shaimaa A. Abd El-Rahman, Sayed K. Ramadan, Ezz-Elregal M. Ezz-Elregal, Sameh A. Rizk, Zeinab M. Abou-Gamra.
Journal of Photochemistry and Photobiology A: Chemistry, **2024**, 452, 115599.
[DOI: 10.1016/j.jphotochem.2024.115599](https://doi.org/10.1016/j.jphotochem.2024.115599)
- [39] **Synthesis, computational chemical study, antiproliferative activity screening, and molecular docking of some thiophene-based oxadiazole, triazole, and thiazolidinone derivatives.**
Amna S. Elgubbi, Eman A. E. El-Helw, A.Y. Alzahrani, Sayed K. Ramadan.
RSC Advances, **2024**, 14, 5926–5940. [DOI: 10.1039/d3ra07048d](https://doi.org/10.1039/d3ra07048d)
- [40] **Synthesis and Biological Applications of Coumarinyl-Chalcones.**
Sayed K. Ramadan, Sameh A. Rizk, Eman A. E. El-Helw.
Current Organic Chemistry, **2024**, 28 (12), 897-904.
[DOI: 10.2174/0113852728248318240418092208](https://doi.org/10.2174/0113852728248318240418092208)



[41] Some pyrimidohexahydroquinoline candidates: synthesis, DFT, cytotoxic activity evaluation, molecular docking, and *in silico* studies.

Sayed K. Ramadan, H.S. Abd-Rabboh, A.A. Abdel Hafez, Wael S.I. Abou-Elmagd.

RSC Advances, **2024**, 14, 16584-16599. [DOI: 10.1039/D4RA02271H](https://doi.org/10.1039/D4RA02271H)

[42] β -Enaminonitrile in the synthesis of tetrahydrobenzo[*b*]thiophene candidates with DFT simulation, *in vitro* antiproliferative assessment, molecular docking, and modeling pharmacokinetics.

Amna S. Elgubbi, Eman A. E. El-Helw, Motaleb S. Abousiksaka, A.Y. Alzahrani, Sayed K. Ramadan.

RSC Advances, **2024**, 14, 18417-18430. [DOI: 10.1039/d4ra03363a](https://doi.org/10.1039/d4ra03363a)

[43] Synthesis, insecticidal Activity, and molecular docking analysis of some benzo[*h*]quinoline derivatives against *Culex pipiens* L. Larvae.

Eman A. E. El-Helw, Eslam M. Hosni, Mahmoud Kamal, Ahmed I. Hashem, Sayed K. Ramadan.

Bioorganic Chemistry, **2024**, 150, 107591. [DOI: 10.1016/j.bioorg.2024.107591](https://doi.org/10.1016/j.bioorg.2024.107591)

[44] Synthesis and *in silico* studies of certain benzo[*f*]quinoline-based heterocycles as antitumor agents.

Eman A. E. El-Helw, Mahmoud Asran, Mohammad E. Azab, Maher H. Helal, A.Y. Alzahrani, Sayed K. Ramadan

Scientific Reports, **2024**, 14, 15522. [DOI: 10.1038/s41598-024-64785-z](https://doi.org/10.1038/s41598-024-64785-z)

[45] Antiviral activity of pyrazole derivatives bearing a hydroxyquinoline scaffold against SARS-CoV-2, HCoV-229E, MERS-CoV, and IBV propagation.

Alaa R. I. Morsy, Sara H. Mahmoud, Noura M. Abou Shama, Walaa Arafa, Gehad A. Yousef, Ahmed. A. Khalil, Sayed K. Ramadan

RSC Advances, **2024**, 14, 27935. [DOI: 10.1039/D4RA04728A](https://doi.org/10.1039/D4RA04728A)

[46] Synthesis, Antiproliferative Activity, and *in silico* Studies of Quinoline-based Pyrimidinedione and Thiazolidinedione Derivatives.

A.Y. Alzahrani, Eman A. E. El-Helw, Sayed K. Ramadan

Synthetic Communication, **2024**, (*in press*). [DOI: 10.1080/00397911.2024.2409872](https://doi.org/10.1080/00397911.2024.2409872)