

## Curriculum Vitae

**Dr. Sayed K. Ramadan**

Assistant Professor of Organic Chemistry,  
Chemistry Department, Faculty of Science, Ain Shams University



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

Practical in Organic Laboratory	<ul style="list-style-type: none"><li>• Preliminary Tests of Organic Compounds.</li><li>• Characterization of Inorganic Salts (Anions and Cations).</li><li>• Characterization and Separation of Mixtures of Inorganic Cations.</li><li>• Synthesis and Spectroscopic Characterization of Organic Dyes, Simple, and Heterocyclic Organic Compounds.</li><li>• Separation of Mixtures of Organic Materials.</li><li>• Qualitative and Quantitative Analysis of Organic Compounds.</li></ul>		
Research Interest	Organic Chemistry, Organic Synthesis, Heterocyclic Synthesis, Medicinal Chemistry, Spectroscopy, Characterization.		
Supervision	<ul style="list-style-type: none"><li>• Supervised 1 awarded MSc. and 1 awarded PhD. theses in Organic Chemistry.</li><li>• Supervise 5 current PhD. theses in Organic Chemistry.</li></ul>		
Membership and Reviewer	<ul style="list-style-type: none"><li>• Egyptian Heterocyclic Chemical Society (EHCS)</li><li>• Bentham Ambassador</li><li>• Certified Publons Academy Peer Reviewer</li><li>• Science Research Association (SCIREA)</li><li>• ACS Omega</li><li>• Arabian Journal of Chemistry</li><li>• European Journal of Organic Chemistry</li><li>• Open Chemistry</li></ul>	<ul style="list-style-type: none"><li>• ChemistrySelect</li><li>• Journal of Heterocyclic Chemistry</li><li>• Journal of Medicinal Chemistry</li><li>• Journal of Molecular Structure</li><li>• Journal of the Chemical Society of Pakistan</li><li>• Egyptian Journal of Chemistry</li><li>• Oriental Journal of Chemistry</li><li>• Studies in Natural Products Chemistry (SNPC)</li><li>• Food Chemistry Advances</li></ul>	
Training Courses & Workshops	<ul style="list-style-type: none"><li>• Fundamentals of Digital Transformation</li><li>• Use of the E-Learning System (Moodle)</li><li>• Leadership</li><li>• Legal Aspects of University Business</li><li>• Anti-corruption and Egypt's Vision 2030</li><li>• Credit Hours and Academic Advising</li><li>• Negotiation and Persuasion Skills</li><li>• Research Team Management</li><li>• Quality in the Educational Process</li><li>• Communication Skills</li></ul>	<ul style="list-style-type: none"><li>• Quality and Performance in Scientific Research</li><li>• Relevant Skill in International Publications</li><li>• Microsoft Teams</li><li>• Microsoft Forms</li><li>• Open Access for Egypt</li><li>• Qorrect Assessment</li><li>• The Way to Scopus</li></ul>	
Conferences	<ul style="list-style-type: none"><li>• The 9<sup>th</sup> Scientific Conference, Ain Shams University "The Fourth Generation of Universities Between Reality and Hope"</li></ul>		
Websites	<a href="https://www.scopus.com/authid/detail.uri?authorId=36922519700">https://www.scopus.com/authid/detail.uri?authorId=36922519700</a> <a href="https://orcid.org/0000-0003-2743-6544">https://orcid.org/0000-0003-2743-6544</a> <a href="http://www.researcherid.com/rid/G-2565-2018">http://www.researcherid.com/rid/G-2565-2018</a> <a href="http://research.asu.edu.eg/jspui/cris/rp/rp02230">http://research.asu.edu.eg/jspui/cris/rp/rp02230</a> <a href="https://scholar.google.com.eg/citations?user=kIoFJnkAAAAJ&amp;hl=en">https://scholar.google.com.eg/citations?user=kIoFJnkAAAAJ&amp;hl=en</a>		
Researcher ID	G-2565-2018	ORCID ID	0000-0003-2743-6544
h-index	15	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 NaBH<sub>4</sub> hydrolysis and CO<sub>2</sub> 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 cationic surfactants as corrosion inhibitors during chemical cleaning and biocides against corrosive bacteria.**

“PhD thesis” By: Aly Hassan Abdelrahman.

- 7. Synthesis, Characterization and Biological Evaluation of Some Novel Heterocyclic Compounds Containing Nitrogen.**

“PhD thesis” By: Nourhan Mahmoud Gad Ahmed.

**Sayed K. Ramadan**  
**(PhD in Organic Chemistry)**

**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 S.I. Abou-Elmagd, **Sayed K. Ramadan**,  
*Journal of Heterocyclic Chemistry*, **2015**, 52, 278-283. DOI: 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

- [3] Synthesis and antitumor activity evaluation of some N-heterocycles derived from pyrazolyl-substituted 2(3H)-furanone.**

Wael S.I. Abou-Elmagd, Ahmed K. El-Ziaty, Magdy I. Elzahar, **Sayed K. Ramadan**, Ahmed I. Hashem.  
*Synthetic Communications*, **2016**, 46(14), 1197-1208.  
DOI: 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

- [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

- [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

[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 H<sub>5</sub>N<sub>1</sub> 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-diphenylpyrazolytetrahydropyrimidine 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 N.M. 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)propenonitrile.**  
**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, Mustafa M. Kamel, **Sayed K. Ramadan**, Sameh A. 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)aceto-hydrazide.**

Mohamed M. Kaddah, Alaa 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-1*H*-pyrazol-4-yl)-acryloyl)-2*H*-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] 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*, **2022**. (in press).

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

**[29] Synthesis, SAR Studies, and Insecticidal Activities of Certain *N*-Heterocycles Derived from 3-((2-chloroquinolin-3-yl)methylene)-5-phenylfuran-2(3*H*)-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)

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

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

*Polycyclic Aromatic Compounds*, **2022**, (in press).

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



**[31] 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*, **2022**, (in press).

DOI:10.1080/10406638.2022.2128831

**[32] 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