

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	Mostafa Elsayed Ahmed Salem
<b>Nationality</b>	Egyptian
<b>Position</b>	Associate professor
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### EDUCATION

<b>Year</b>	<b>Academic Degree</b>	<b>Institution</b>
2003	Bachelor of science	Cairo university
2011	Master of science degree	Cairo university
2016	Ph. D. Degree in chemistry	Cairo university

### WORK EXPERIENCE

<b>Period</b>	<b>Position</b>	<b>Address</b>
2004-2010	Demonstrator	faculty of science cairo university
2011-2015	Assistant lecturer	faculty of science cairo university
2016-2021	Lecturer	faculty of science cairo university
2021-2022	Associated professor	faculty of science cairo university
2022-9/2023	Assistant professor	College of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU)
9/2023 till now	Associated professor	College of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU)

## RESEARCH INTERESTS

Bioorganic Chemistry, Synthesis of heterocyclic compounds and pharmaceutical chemistry

## PUBLICATIONS

1. *Regioselective synthesis and ab initio calculations of fused heterocycles thermally and under microwave irradiation*; Mostafa E. Salem, Ashour A. Ahmed, Mohamed R. Shabaan, Mohamed F. Shibl, Ahmad M. Farag; *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 148 (2015) 175–183.
2. *2-Bromo-1-(1H-pyrazol-4-yl)ethanone: Versatile Precursor for Novel Mono- and Bis[pyrazolylthiazoles]*; Mostafa E. Salem, Ahmed F. Darweesh, Ahmed E. M. Mekky, Ahmad M. Farag and Ahmed H. M. Elwahy; *Journal of Heterocyclic Chemistry*, 54 (2016) 226-234.
3. *2-Bromo-1-(1H-pyrazol-4-yl)ethanone: versatile precursors for novel mono-,bis- and poly{6-(1H-pyrazol-4-yl)-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazines}*; Mostafa E. Salem, Ahmed F. Darweesh, Ahmad M. Farag, Ahmed H. M. Elwahy; *Tetrahedron*, 72 (2016) 712-719
4. *Synthesis and Structures of Novel Multi-armed Molecules Involving Benzene as a Core and 4-Phenylthiazole, 4-Pyrazolylthiazole, or Thiadiazole Units as Arms*; Mostafa E. Salem, Ahmed F. Darweesh, Ahmad M. Farag, and Ahmed H. M. Elwahy; *Journal of Heterocyclic Chemistry*, 54 (2016) 586-595
5. *2-Mercapto-4,6-disubstituted nicotinonitriles: versatile precursors for novel mono- and bis[thienopyridines]*; Mostafa E. Salem, Ahmed F. Darweesh, and Ahmed H. M. Elwahy; *Journal of Sulfur Chemistry*, 39, NO.5(2018) 525-543
6. *Synthesis of Novel Bis(thiazolylchromen-2-one) Derivatives Linked to Alkyl Spacer via Phenoxy Group*; Mohamed Hosny, Mostafa E. Salem, Ahmed F. Darweesh, and Ahmed H. M. Elwahy; ; *Journal of Heterocyclic Chemistry*, 55 (2018) 2342-2348
7. *Synthesis and DFT calculations of 2-thioxo-1,2-dihydropyridine-3-carbonitrile as versatile precursors for novel pharmacophoric hybrid molecules*; Mostafa E. Salem, Ashour A. Ahmed, Ahmed F. Darweesh, Oliver Kühn, and Ahmed H. M. Elwahy; *Journal of Molecular Structure*, 1176 ( 2019) 19-30.

8. *Synthesis of Novel Bis- and Poly(hydrazinylthiazole) Linked to Benzofuran or Benzothiazole as new hybrid molecules; Mostafa E. Salem, Ahmed F. Darweesh, Mohamed R. Shabaan and Ahmed H. M. Elwahy; Arkivoc 2019, v, 73-88.*
9. *Synthesis of Novel Bis- and Poly (aryldiazenylthiazole); Mostafa E. Salem, Mohamed Hosny, Ahmed F. Darweesh, and Ahmed Elwahy; Synthetic Communications 49 ( 2019) 2319-2329.*
10. *Synthesis of novel scaffolds based on thiazole or triazolothiadiazine linked to benzofuran or benzo[d]thiazole moieties as new hybrid molecules Mostafa E. Salem, Ahmed F. Darweesh, and Ahmed H. M. Elwahy; Synthetic Communications 50 (2), 256-270.*
11. *Microwave assisted synthesis of novel 1, ω-bis(quinoxalin-2-yl)phenoxy)alkanes or arenes Nesma A. Abd El-Fatah, Ahmed F. Darweesh, Mostafa E. Salem, Ismail A. Abdelhamid, and Ahmed H. M. Elwahy; Arkivoc 2019, vi, 252-266.*
12. *Investigation of the reactivity of (1H-benzo[d]imidazol-2-yl)acetonitrile and (benzo[d]thiazol-2-yl)acetonitrile as precursors for novel bis(benzo[4,5]imidazo[1,2-a]pyridines) and bis(benzo[4,5]thiazolo[3,2-a]pyridines); Ahmed F. Darweesh, Nesma A. Abd El-Fatah, Ismail A. Abdelhamid, Ahmed H. M. Elwahy & Mostafa E. Salem; Synthetic Communications 50 (16), 2531-2544.*
13. *An expedient synthesis of novel bis[thienopyridines] linked to arene or heteroarene core as novel hybrid molecules; Mostafa E. Salem, Ahmed H. M. Elwahy and Ahmed F. Darweesh; Arkivoc 2020, vi, 312-329.*
14. *Synthesis of novel star-shaped molecules based on a 1,3,5-triazine core linked to different heterocyclic systems as novel hybrid molecules; Hadeer M. Diab, Mostafa E. Salem, Ismail A. Abdelhamid, Ahmed H. M. Elwahy; RSC Advances 10 (72), 44066-44078.*
15. *Synthesis and DFT studies of novel aminoimidazodipyridines using 2-(3Himidazo[4,5-b]pyrid-2-yl)acetonitrile as an efficient key precursor; Ahmed F. Darweesh, Nesma A. Abd El-Fatah, Samir A. Abdel-Latif, Ismail A. Abdelhamid, Ahmed H. M. Elwahy and Mostafa E. Salem; Arkivoc 2021, part viii, 23-37.*

16. *Aminouracil and aminothiouracil as versatile precursors for a variety of heterocyclic systems; Hadeer M. Diab, Mostafa E. Salem, Ismail A. Abdelhamid and Ahmed H. M. Elwahy; Arkivoc 2021, part i, 329-377.*
17. *Bis(sulfanediyl)bis(6-aminopyrimidin-4-ones): Versatile precursors for novel bis(sulfanediyl)bis(tetrahydropyrimido[4,5-b]quinoline-4,6-diones) linked to aliphatic spacer via multi-component reactions; Hadeer M. Diab, Mostafa E. Salem, Ahmed H. M. Elwahy, and Ismail A. Abdelhamid; Synthetic Communications 51 (13), 2001-2015.*
18. *Hantzsch-like synthesis of bis(sulfanediyl)bis(tetrahydropyrimido [4,5-b] quinoline- 4,6-diones) linked to arene or heteroarene cores utilizing bis(sulfanediyl)bis (6-aminopyrimidin-4-ones) as precursors; Hadeer M. Diab, Mostafa E. Salem, Ismail A. Abdelhamid, Ahmed H. M. Elwahy; Monatshefte für Chemie - Chemical Monthly (2021) 152, 967–976.*
19. *Design, synthesis, docking study, and anticancer evaluation of novel bis-thiazole derivatives linked to benzofuran or benzothiazole moieties as PI3k inhibitors and apoptosis inducers; Ibrahim Taha Radwan, Ahmed HM Elwahy, Ahmed F Darweesh, Marwa Sharaky, Noha Bagato, Hanem Fathy Khater, Mostafa E. Salem; Journal of Molecular Structure 1265 (2022), 133454.*
20. *Facile synthesis and antimicrobial activity of bis(fused 4Hpyrans) incorporating piperazine as novel hybrid molecules: Michael's addition approach; Mostafa E. Salem, Ibrahim M. Z. Fares, Said A. S. Ghozlan, Marwa M Abdel-Aziz, Ismail A. Abdelhamid, Ahmed H. M. Elwahy; Journal of Heterocyclic Chemistry, DOI: 10.1002/jhet.4525.*
21. *Hantzsch-like three-component synthesis of bis(1,4-dihydropyridines) and bis(fused-1,4-dihydropyridines) linked to piperazine core via 2-phenoxyethanone linkage: Novel hybrid molecules; Mostafa E. Salem, Ibrahim M. Z. Fares, Said A. S. Ghozlan, Ahmed H. M. Elwahy, Ismail A. Abdelhamid; Synthetic Communications, doi.org/10.1080/00397911.2022.2122844*
22. *Synthesis of novel scaffolds based on bis-thiazole or bis-triazolothiadiazine linked to quinoxaline as new hybrid molecules; Mostafa E. Salem, Mohmmad S. Qenawy, Ahmed M. Farag & Ahmed H. M. Elwahy; Synthetic Communications 53 (2), 103-118.*
23. *Synthesis of novel bis-thiazoles, bis-thienopyridines, and bis-triazolothiadiazines linked to diphenyl ether core as novel hybrid molecules; Ahmed H. M. Elwahy ,Ahmed R. S. Ginidi, Mohamed R. Shaaban, Ahmed M. Farag & Mostafa E. Salem; Synthetic Communications 53 (5), 426-441*

24. *Synthesis of novel mono-and bis-pyrazolylthiazole derivatives as anti-liver cancer agents through EGFR/HER2 target inhibition; Mostafa E. Salem, Esraa M. Mahrous, Eman A. Ragab, Mohamed S. Nafie, and Kamal M. Dawood; BMC chemistry 17, no. 1 (2023): 1-17*
25. *Synthesis and Anti-Breast Cancer Potency of Mono-and Bis-(pyrazolyl [1, 2, 4] triazolo [3, 4-b][1, 3, 4] thiadiazine) Derivatives as EGFR/CDK-2 Target Inhibitors; Mostafa E. Salem, Esraa M. Mahrous, Eman A. Ragab, Mohamed S. Nafie, and Kamal M. Dawood; ACS omega 2023, 8, 38, 35359–35369.*
26. *Novel diphenyl ether-heterocycles hybrids: Synthesis via Hantzsch and Biginelli reactions, molecular docking simulation, and antimicrobial activities; El-Gabry, Yassmen A., Mostafa E. Salem, Nada S. Ibrahim, Ahmed HM Elwahy, Ismail A. Abdelhamid, and Hadeer M. Diab; Journal of Molecular Structure (2023): 136857.*
27. *Novel Scaffolds Based on Bis-thiazole Connected to Quinoxaline or Thienothiophene through 2-Phenoxy-N-arylacetamide Groups as New Hybrid Molecules: Synthesis, Antibacterial Activity, and Molecular Docking Investigations; Mostafa E. Salem, Abbas H. Abdullah, Nada S. Ibrahim, Magdi E. A. Zaki, Ahmed H. M. Elwahy, Ismail A. Abdelhamid; ACS omega 2023, 8, 46, 44312–44327.*