

Academic Curriculum Vitae



Personal Information:

Full Name: Dr. Farouq Emam Hawaiz

Academic Title: Professor

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Education:

BSc degree in Chemistry- 1989 in Salahadin University-Erbil, Kurdistan, Iraq.

MSc - Organic Chemistry – 1998 in Salahadin University-Erbil, Kurdistan, Iraq.

Ph.D. - Organic Chemistry - 2007 in Salahadin University-Erbil, Kurdistan, Iraq.

Employment:

- Asst. Chemist 30-9-1992 No:4-2-4701
- MSc 4-10-1998 No: 3-2-5771
- PhD 1-3-2008 –continues No: 3-2-356

Qualifications

- Teaching Methods Course 20-30/9/2000

Teaching experience:

- Organic Chemistry 2nd Theory+ Practical
- Organic Identification 4th Theory+ Practical

- Adv. Organic Chemistry MSc
- Heterocyclic MSc
- Stereochemistry MSc + PhD
- Spectroscopy MSc + PhD

Research and publications

Publications (2011-2022)

1: Synthesis and Antimicrobial Activity of 3-(4-(4-chlorobenzyloxy)phenyl)-1-phenyl-5-(2-chlorophenyl) Pyrazoline (3) on E. coli in Mice Adel K. Khider, Farouq E. Hawaiz, Asian Journal of Medical Sciences 3 (4), 158-163(2011).

2: Synthesis and Spectroscopic Investigation of Some New Chalcones and their transformation to pyrazoline derivatives

FE Hawaiz, SA Omer, MS Ahmad, Journal of Kirkuk University–Scientific Studies 7 (1)(2012).

3: Synthesis and Spectroscopic Characterization of Some New Biological Active Azo–Pyrazoline Derivatives F E Hawaiz, M K Samad Journal of Chemistry 9 (3), 1613-1622(2012).

4: Synthesis and Characterization of Some New Pyrazoline Derivatives Derived From 2, 4-Dihydroxybenzaldehyde

HJA Faiq H. S. Husseina , Farouq E. Hawaiz, International Journal of Chemical and Environmental Engineering 4 (6), 373-377(2013).

- 5: Synthesis and Characterization of Some New 4,5-Dihydropyrazolyl Thiazoles
FE Hawaiz Chemical Science Transactions 3 (4), 1583-1589(2014).
- 6: One-pot three-component synthesis of some new azo-pyrazoline derivatives
FE Hawaiz, AJ Hussein, MK Samad, European Journal of Chemistry 5 (2), 233-236(2014).
- 7: Synthesis and Characterization of Some New 5-[2,4-di(4-Chlorobenzyloxy)Phenyl]-3-(4-Substituted Phenyl)-2-Pyrazolines
Farouq Emam Hawaiz, Journal of Materials Science and Engineering 4 (11), 361-366(2014).
- 8: Synthesis and Antibacterial Evaluation of Some New Azo-Pyrazoline Compounds Derived From p-Aminoacetophenone
FE Hawaiz, MK Samad, PA Hamad, Journal of Pure and Applied Sciences 26 (1), 1-10(2014).
- 9: Synthesis of some new heterocyclic compounds derived from 4-(4-hydroxy-3-chlorophenyl) azoacetophenone
MKSMYA Farouq E. Hawaiz, Journal of Zankoi Sulaimani, Part-A- (Pure and Applied Sciences) 17 (2), 85-91(2015).
10. Synthesis, characterization and antimicrobial activity of some new azo flavones and azo flavanone derived from o-hydroxyacetophenone
FE Hawaiz
ZANCO Journal of Pure and Applied Sciences 28 (6), 140-147(2016)
11. Crystal structure of (6E, 20E)-3, 24-difluoro-13, 14, 28, 29-tetrahydro-5H, 22H-tetrabenzo [e, j, p, u][1, 4, 12, 15] tetraoxacyclodocosine-5, 22-dione
SK Mohamed, M Akkurt, FE Hawaiz, MM Ayoob, E Hosten
Acta Crystallographica Section E: Crystallographic Communications 73 (1), 13-16(2016)
12. Ultrasound-assisted Synthesis of Some New Curcumin Analogs and Their Corresponding Pyrazoline Derivatives
FEHDAS Omer
ARO-The Scientific Journal of Koya University 5 (1), 30-35(2017)
13. 4-(3-Methylphenyl)-3-[(3-methyl-5-phenyl-1H-pyrazol-1-yl) methyl]-4, 5-dihydro-1H-1, 2, 4-triazole-5-thione
JT Mague, SK Mohamed, M Akkurt, AA Marzouk, HM Abdel-Rahman, ...
IUCrData 2 (2), x170184(2017)

14. 3-Hydroxy-3-(2-oxo-2, 3-dihydro-1H-indol-3-yl)-2, 3-dihydro-1H-indol-2-one
JT Mague, SK Mohamed, M Akkurt, MSS Adam, FE Hawaiz
IUCrData 2 (2), x170139(2017)
15. 5-[[5-(4-Chlorophenyl)-3-methyl-1H-pyrazol-1-yl] methyl]-1, 3, 4-oxadiazole-2 (3H)-thione
JT Mague, SK Mohamed, M Akkurt, AA Marzouk, FE Hawaiz, ...
IUCrData 2 (2), x170176(2017)
16. 3-[[3, 5-Dimethyl-1H-pyrazol-1-yl] methyl]-4-(4-methylphenyl)-4, 5-dihydro-1H-1, 2, 4-triazole-5-thione
JT Mague, SK Mohamed, M Akkurt, AA Marzouk, FE Hawaiz, ...
IUCrData 2 (2), x170153(2017)
17. 4-Cyclohexyl-3-[[3, 5-dimethyl-1H-pyrazol-1-yl] methyl]-4, 5-dihydro-1H-1, 2, 4-triazole-5-thione
JT Mague, SK Mohamed, M Akkurt, AA Marzouk, HM Abdel-Rahman, ...
IUCrData 2 (1), x170020
18. One Pot Synthesis and Characterization of Some New 1,3,5-Trisubstituted Pyrazoline Derivatives Farouq Emam Hawaiz, Lana H Chawishli, Mohammed K. Samad & Shaaban Kamel Mohamed
Journal of Chemical and Pharmaceutical Research, 2017, 9(4):185-190.
19. Synthesis of Some New Pyrazolines via One-Pot Three Component Technique and Their Corresponding Thiazole Compounds
RHH Salih, FE Hawaiz Conference Paper (July, **2017**)
20. Design, synthesis, and spectroscopic study of some new flavones containing two azo linkages
Mzgin Mohammed Ayoob, and Farouq Emam Hawaiz
AIP Conference Proceedings 1888 (1), 2017
21. Synthesis and Characterization of some Pyrazoline derivatives from Chalcones containing azo and ether groups
*Ahmed A. ALKazmi1 , Farouq Emam Hawais2 , Yuosra K. Alasadi3
Tikrit Journal of Pure Science 22 (9) 2018*
22. One-pot Three Component Synthesis of Some New Azo-Pyrazoline Compounds Derived From 5-((3-chloro-4-methylphenyl)diazanyl)-2-hydroxybenzaldehyde
Marlin Y. Aziz¹, Yousif K. Bayiz¹ and Farouq E. Hawaiz¹
ZJPAS (2017), 29 (4); 134--139 <http://dx.doi.org/10.21271/ZJPAS.29.4.14>.
23. (Z)-1-(1,3-Diphenyl-1H-pyrazol-4-yl)-N-phenylmethanimine N-oxide Shaaban K. Mohamed,^{a,b} Joel T. Mague,^c Mehmet Akkurt,^d Awad I. Said,^e Farouq E. Hawaiz^{f*} and Sahar M. I. Elgarhyg
IUCrData (2018). 3, x180208 <https://doi.org/10.1107/S2414314618002080>
24. Design, Synthesis and Antibacterial Evaluation of Some New Pyrazolinyl Bromophenylthiazoles
FE Hawaiz
ZANCO Journal of Pure and Applied Sciences 29 (6), 28-37
25. Bis(2-formylphenyl) benzene-1,2-dicarboxylate
Shaaban K. Mohamed,^{a,b} Joel T. Mague,^c Mehmet Akkurt,^d Farouq E. Hawaiz,^{e*} Mzgin M. Ayoobe and Awaz J. Hussein.
IUCrData (2018). 3, x180251 <https://doi.org/10.1107/S2414314618002511>
26. The structure of 9-(3-bromo-6-chloro-2-hydroxyphenyl)-10-(2-hydroxyethyl)-3,6-diphenyl-3,4,5,6,7,9-hexahydro-2H-acridine-1,8-dione
Antar A. Abdelhamid,^a Farouq E. Hawaiz,^{b*} Alaa F. Mohamed,^c Shaaban K. Mohamed^d and Jim Simpso^e.
<https://doi.org/10.1107/S2056989018010873> Acta Cryst. (2018). E74, 1218–1221.

27. Synthesis and Characterization of Some New Pyrazoline Derivatives Containing Azo Group by One Pot Method
Yuosra K. Alasadi¹ , Farouq Emam Hawais² , Ahmed A. ALKazmi.
<http://dx.doi.org/10.25130/tjps.23.2018.050>
Tikrit Journal of Pure Science 23 (3) 2018
28. Synthesis, characterization, antioxidant power and acute toxicity of some new azo-benzamide and azo-imidazolone derivatives with in vivo and in vitro antimicrobial evaluation
Mohammed Kareem Samad¹, Farouq Emam Hawaiz.
<https://doi.org/10.1016/j.bioorg.2019.01.014>
Bioorganic Chemistry 85 (2019) 431–444.
29. Synthesis, Spectroscopic Investigation, Anti-Bacterial and Antioxidant Activities of Some New Azo-Benzofuran Derivatives Egyptian Journal of Chemistry <http://ejchem.journals.ekb.eg>
Shaaban Kamel MohamedAwaz Jamil HusseinAwaz Jamil HusseinMzgin M AyoobMzgin M AyoobShow all 6 authorsFaiq H S HussainFaiq H S Hussain
30. Crystal structure and Hirshfeld surface analysis of 3-[(1E)-(4-{4-[(E)-(3-hydroxybenzylidene)amino]phenoxy}phenylimino)methyl]phenol
S. K. Mohamed, J. T. Mague, M. Akkurt, F. E. Hawaiz, S. M. I. Elgarhy and E. A. Al-Taifi
Acta Cryst. (2021). E77, 266-269
<https://doi.org/10.1107/S205698902100181X>
31. Synthesis, Anti-Bacterial and Anti-Oxidant Activity of Azo-Oxazolone and Their Ring Opening Azo-Benzamide Derivatives.
Mzgin M. Ayoob*, Awaz J. Hussein, Mohammed K. Samad, Necmi Dege, Farouq E. Hawaiz, Shaaban K. Mohamed
Current Organic Synthesis
DOI: 10.2174/1570179417666201218163
- 32-[Design, Synthesis, Molecular docking ADMET and anti-bacterial activities of some new benzamides and their corresponding quinazolinone derivatives](#)
MM Ayoob, FE Hawaiz
Egyptian Journal of Chemistry 2022
- 33-[One-pot synthesis, molecular docking, ADMET, and DFT studies of novel pyrazolines as promising SARS-CoV-2 main protease inhibitors](#)
6 Rezan Huseen Hama Salih¹ · Aso Hameed Hasan^{1,2} · Awaz Jamil Hussein³ ...
Research on Chemical Intermediates 2022
- 34-[Traditional, One-pot Three-Component Synthesis and Antibacterial Evaluations of Some New Pyrazoline Derivatives](#)
SO Mamand, DA Abdul, FE Hawaiz
*Egyptian Journal of Chemistry*20, 2022
- 35-A stepwise synthetic approach and antibacterial assessment of some new pyrazoline derivatives containing azo and benzyloxy moieties
Daryan Osman Ali and Farouq Emam Hawaiz
ZANCO Journal of Pure and Applied Sciences,2022

Conferences and courses attended

1. Farouq Hawaiz: Synthesis and Characterization of Some New 5-[2, 4-di (4- chlorobenzyloxy) phenyl] 3-(4-substituted phenyl)-2-pyrazolines'. **44th IUPAC World Chemistry Congress; 08/2013**
2. Farouq Hawaiz: Microwave and Ultrasound Assisted Synthesis of Some New Bis-Chalcones and Their Transformation to pyrazoline derivatives. Zakho International Conference
3. First and Second student research project and Idea grant conference 2020,2021

Funding and academic awards

Professional memberships

-Kurdistan Chemists syndicate

-Kurdistan teachers Union

Professional Social Network Accounts:

1. <https://scholar.google.com/citations?user=UQ6lhNsAAAAJ&hl=en>.
2. <https://www.researchgate.net/profile/Farouq-Hawaiz>
3. <https://www.linkedin.com/in/farouq-emam-hawaiz-24879476/>