CURRICULUM VITAE (CV)

Name: Ahmed Fathy Darweesh Ramadan

Family Name: Ramadan

Date of Birth: October 28, 1980

Place of Birth: Cairo, Egypt

Nationality: Egyptian

Gender: Male

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Occupation: Assistant professor of Organic Chemistry, Faculty of Science, Cairo University

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Education:

9/1997-5/2001 B.Sc., Chemistry, Cairo University

12/2003-8/2005 M.Sc., Organic Chemistry, Cairo University.

3/2006-4/2010 Ph.D., Organic Chemistry, Cairo University.

Jobs:

3/2002-9/2005 Demonstrator at Department of Chemistry, Faculty of Science, Cairo Univ.

9/2005-5/2010 Assist. Lecturer at Department of Chemistry, Faculty of Science, Cairo Univ.

5/2010-3/2016 Lecturer at Department of Chemistry, Faculty of Science, Cairo Univ.

4/2016-todate Assistant professor at Department of Chemistry, Faculty of Science, Cairo Univ.

Fellowships and Awards:

- Awarded by Faculty of Science for the Excellent Score (honors) in Chemistry, 2001
- Visiting international student associate to professor Kamal Dawood member of Alexander von Humboldt Research Fellowship, Germany, July - October 2008.

- Alexander von Humboldt post-Doc. Fellow at Institute of Organic Chemistry, Dresden. Peter Metz. July 2012 - July 2014.
- Alexander von Humboldt post-Doc. Fellow at Institute of Organic Chemistry, Dresden. Peter Metz. June 2017 - September 2017.
- Alexander von Humboldt post-Doc. Fellow at Institute of Chemistry, Organic Chemistry Martin-Luther University, Halle-Wittenberg, Prof. Dr. Carsten Tschierske July 2019 - October 2019.
- Cairo University encouragement award in basic science 2017.
- Egyptian Heterocyclic Chemical Society award for the excellent research paper 2016.

Research Interests and Experience:

1. Synthesis and biological evaluation of several heterocyclic ring systems with one, two, three or four heteroatoms utilizing a number of synthetic routes e.g. regioselective 1,3-dipolar cycloaddition.
2. Solid-phase assisted catalysis in organic synthesis under microwave irradiation.
3. Synthesis of bis- and poly-heterocyclic ring systems.
4. Ring Closing Metathesis in the Synthesis of Sultones and Alkoxide-Directed 1,4-Additions of Sultones.
5. Total Synthesis of terpenoid natural products.
6. Synthesis of liquid crystalline chemical compounds.

Publications

- Number of papers: 27 published papers.

Publication name:	**Ahmed F. Darweesh**	
Citation	**Scopus**	**Google Scholar**
	➢ Citations: 254 ➢ *h*-index: 11	➢ Citations: 253 ➢*h*-index: 11

Scopus
https://www.scopus.com/authid/detail.uri?authorId=25925689700

Google Scholar
https://scholar.google.com/citations?user=d3iDCckAAAAJ

List of Publications:

1. Mohamed R. Shaaban, Taha. M. A. Eldebss, **Ahmed F. Darweesh**, and Ahmad M. Farag: Synthesis of novel Pyrazolo[3,4-*d*]pyridazine, Pyrido[1,2-*a*]-benzimidazole, Pyrimido[1,2-*a*]benzimidazole and Triazolo[4,3-*a*]Pyrimidine Derivatives. ***J. Heterocycl. Chem.***, 2008, **45**, 1739-1744. [I. F. = 1.141].

2. Mohamed R. Shaaban, Taha. M. A. Eldebss, **Ahmed F. Darweesh**, and Ahmad M. Farag: A convenient synthesis of pyrazole-substituted heterocycles. ***J. Chem. Research.***, 2010, 8-11. [I. F. = 0.646].

3. **Ahmed F. Darweesh**, Mohamed R. Shaaban, Ahmad M. Farag, Peter Metz, Kamal M. Dawood: Facile Access to Biaryls and 2-Acetyl-5-arylbenzofurans via Suzuki Coupling in Water under Thermal and Microwave Conditions. ***SYNTHESIS***, 2010, **18**, 3163-3173. [I. F. = 2.722].

4. Mohamed R. Shaaban, **Ahmed F. Darweesh**, Kamal M. Dawood, and Ahmad M. Farag: Mizoroki-Heck cross-couplings of 2-acetyl-5-bromobenzofuran and aryl halides under microwave irradiation. ***ARKIVOC***, 2010, (**x)**, 208-225. [I. F. = 1.031].

5. Ahmed H. M. Elwahy, **Ahmed F. Darweesh**, Mohamed R. Shaaban: Microwave assisted synthesis of bis(enaminoketones): Versatile precursors for novel bis(pyrazoles) *via* regioselective 1,3-dipolar cycloaddition with nitrileimines. ***J. Heterocycl. Chem.***, 2012, **49**, 1120-1125. [I. F. = 1.141].

6. **Ahmed. F. Darweesh**, Ahmed. E. M. Mekky, Amani A. Salman, Ahmad M. Farag: Synthesis of novel benzimidazole and benzothiazole derivatives. ***Heterocycles***, 2014, **89** (1), 113-125. [I. F. = 1.036].

7. Ahmed E. M. Mekky, **Ahmed F. Darweesh**, Amani A. Salman, Ahmad M. Farag: Synthesis of novel thiazole and 1,3,4-thiadiazole derivatives incorporating phenylsulfonyl moiety. ***Heterocycles***, 2014, **89** (8), 1827-1843. [I. F. = 1.036].

8. Ismail A. Abdelhamid, **Ahmed F. Darweesh** and Ahmed H. M. Elwahy: Synthesis and characterization of poly(2,6-dimethyl-4-phenyl-1,4-dihydropyridinyl)arenes as novel multi-Armed molecules. ***Tetrahedron Lett.***, 2015, **56**, 7085-7088. [I. F. = 2.125].

9. Mostafa E. Salem, **Ahmed F. Darweesh**, Ahmad M. Farag and Ahmed H. M. Elwahy: 2-Bromo-1-(1*H*-pyrazol-4-yl)ethanone: Versatile Precursors for Novel Mono-, Bis- and Poly{6-(1*H*-pyrazol-4-yl)-[1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazines}. ***Tetrahedron***, 2016, **72**, 712-719. [I. F. = 2.377].

10. **Ahmed F. Darweesh**, Ahmed M. Mansour, Ahmed H. M. Elwahy: Novel bis(benzothiazole-oxime)-based Pd(II)-complex: Synthesis, characterization, quantum

chemical calculations and catalytic significance in Suzuki-Miyaura and Heck-Mizoroki cross coupling reactions. ***Monatshefte für Chemie***, 2016, **147**, 1197-1205. [I. F. = 1.285].

11. **Ahmed F. Darweesh**, Ahmed E. M. Mekky, Amani A. Salman, Ahmad M. Farag: Efficient, microwave-mediated synthesis of benzothiazole- and benzimidazole-based heterocycles. ***Res. Chem. Intermed***, 2016, **42**, 4341–4358. [I. F. = 1.674].

12. Kamal M. Dawood, Andrea Bramborg, **Ahmed F. Darweesh**, Katrin Spinde, Victor Rogachev, Anne Jäger, and Peter Metz: Alkoxide-directed hydride addition to α,β-unsaturated sultones. ***Heterocycles,*** 2016, **93**, 723–736. [I. F. = 1.036].

13. Magda F. Mohamed, **Ahmed F. Darweesh**, Ahmed H. M. Elwahy and Ismail A. Abdelhamid: Synthesis, Characterization And Antitumor Activity Of Novel Tetrapodal 1,4-Dihydropyridines: p53 Induction, Cell Cycle Arrest And Low Damage Effect On Normal Cells Induced By Genotoxic Factor H_2O_2. ***RSC Advances,*** 2016, **6**, 40900–40910. [I. F. = 2.936].

14. Gumaa A. El-Nagar, **Ahmed F. Darweesh** and Ibrahim Sadiek: A novel nano-palladium complex anode for formic acid electro-oxidation. ***Electrochimica Acta***, 2016, **215**, 334–338. [I. F. = 5.116].

15. Mostafa E. Salem, **Ahmed F. Darweesh**, Ahmed E. M. Mekky, Ahmad M. Farag and Ahmed H. M. Elwahy: 2-Bromo-1-(1*H*-pyrazol-4-yl)ethanone: Versatile Precursor for novel mono- and bis[pyrazolylthiazoles]. ***J. Heterocyclic Chem.***, 2017, **54**, 226-234. [I. F. = 1.141].

16. Soad K. Salama, **Ahmed F. Darweesh**, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Microwave assisted green multicomponent synthesis of novel bis(2-amino-tetrahydro-4*H*-chromene-3-carbonitrile) derivatives using Chitosan as ecofriendly basic catalyst. ***J. Heterocycl. Chem.***, 2017, **54**, 305-312. [I. F. = 1.141].

17. Mostafa E. Salem, **Ahmed F. Darweesh**, Ahmad M. Farag and Ahmed H. M. Elwahy: Synthesis and structures of novel multi-armed molecules involving benzene as a core and 4-phenylthiazole, 4-pyrazolylthiazole or thiadiazole units as arms. ***J. Heterocycl. Chem.***, 2017, **54**, 586-595. [I. F. = 1.141].

18. Nesma A. Abd El-Fatah, **Ahmed F. Darweesh**, Adel A. Mohamed, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Experimental and theoretical study on the regioselective bis- and polyalkylation of 2-mercaptonicotinonitrile and 2-mercaptopyrimidine-5-carbonitrile derivatives. ***Tetrahedron***, 2017, **73**, 1436-1450. [I. F. = 2.377].

19. Soad K. Salama, Magda F. Mohamed, **Ahmed F. Darweesh**, Ahmed H.M. Elwahy and Ismail A. Abdelhamid: Molecular docking simulation and anticancer assessment on human breast carcinoma cell line using novel bis(1,4-dihydropyrano[2,3-*c*]pyrazole-5-carbonitrile) and bis(1,4-dihydropyrazolo[4′,3′:5,6]pyrano[2,3-*b*]pyridine-6-carbonitrile) derivatives. ***Bioorganic Chemistry***, 2017, **71**, 19–29**.** [I. F. = 3.929].

20. Nesma A. Abd El-Fatah, **Ahmed F. Darweesh**, Adel A. Mohamed, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Regioselective synthesis and theoretical studies of novel bis(tetrahydro[1,2,4]triazolo[5,1-b]quinazolin-8(4H)-ones) catalyzed by ZnO nanoparticles. ***Monatshefte für Chemie***, 2017, **148**, 2107-2122. [I. F. = 1.285].

21. Mostafa E. Salem, **Ahmed F. Darweesh** and Ahmed H. M. Elwahy: 2-Mercapto-4,6-disubestituted nicotinonitriles: Versatile Precursors for Novel Mono- and Bis[thienopyridines] ***J. sulfur Chem.***, 2018, **39**, 525-543. [I. F. = 1.321].

22. Mohamed Hosny, Mostafa E. Salem, **Ahmed F. Darweesh**, and Ahmed H. M. Elwahy: Synthesis of Novel Bis(thiazolylchromen-2-one) Derivatives Linked to Alkyl Spacer *via* Phenoxy Group. ***J. Heterocycl. Chem.***, 2018, **55**, 2342-2348. [I. F. = 1.141].

23. Mostafa E. Salem, Ashour A. Ahmed, **Ahmed F. Darweesh**, Oliver Kühn and Ahmed H.M. Elwahy: Synthesis and DFT calculations of 2-thioxo-1,2-dihydropyridine-3-carbonitrile as versatile precursors for novel pharmacophoric hybrid molecules. ***J. Mol. Struct.***, 2019, 1176, 19-30. [I. F. = 2.011].

24. Kamal M. Dawood, **Ahmed F. Darweesh**, Mohamed R. Shaaban and Ahmed M. Farag: Microwave promoted Heck and Suzuki coupling reactions of new 3-(5-bromobenzofuranyl)pyrazole in aqueous media, ***Arkivoc***, 2018, **v**, 348-358 [I. F. = 1.031].
25. Mostafa E. Salem, **Ahmed F. Darweesh**, Mohamed R. Shaaban and Ahmed H. M. Elwahy: Synthesis of novel bis- and poly(hydrazinylthiazole) linked to benzofuran or benzothiazole as new hybrid molecules, ***Arkivoc***, 2019, **v**, 73-88. [I. F. = 1.031].

26. Yuzhou Wang, **Ahmed F. Darweesh**, Patrick Zimdars and Peter Metz: An efficient synthesis of the guaiane sesquiterpene (–)-isoguaiene by domino metathesis, ***Beilstein J. Org. Chem.***, 2019, **15**, 858–862. [I. F. = 2.33].

27. Mostafa E. Salem, Mohamed Hosny, **Ahmed F. Darweesh**, and Ahmed H. M. Elwahy: Synthesis of novel bis- and poly(aryldiazenylthiazoles), ***Synthetic comm***., 2019, **49**, 2319–2329. [I. F. = 1.43].

28. Soad K. Salama, **Ahmed F. Darweesh**, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: *p*-TSA Catalyzed One-Pot Synthesis of Some Novel Bis(Hexahydroacridine-1,8-Diones) and Bis(Tetrahydrodipyrazolo[3,4-*b*:4′,3′-*e*]Pyridines) Derivatives, ***Polycyclic Aromatic Compounds***, DOI: 10.1080/10406638.2019.1678184. [I. F. = 1.237].

29. Mostafa E. Salem, Ahmed F. Darweesh and Ahmed H. M. Elwahy: Synthesis of novel scaffolds based on thiazole or triazolothiadiazine linked to benzofuran or benzo[*d*]thiazole moieties as new hybrid molecules, ***Synthetic comm***., 2020, **50**, 256–270. [I. F. = 1.43].

30. Nesma A. Abd El-Fatah, **Ahmed F. Darweesh**, Mostafa E. Salem, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Microwave assisted synthesis of novel 1,ω-bis(quinoxalin-2-yl)phenoxy)alkanes or arenes, ***Arkivoc***, 2019, **vi**, 252-266. [I. F. = 1.031].

31. Mohamed Alaasar, Jaques-Christopher Schmidt, **Ahmed F. Darweesh** and Carsten Tschierske: Azobenzene-based supramolecular liquid crystals: The role of core fluorination, ***J. Mol. Liq.***, 2020, **310**, 113252. [I. F. = 5.065].

32. **Ahmed F. Darweesh**, Nesma A. Abd El-Fatah, Ismail A. Abdelhamid, Ahmed H. M. Elwahy and Mostafa E. Salem: Investigation of the reactivity of (1*H*-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), ***Synthetic comm***., 2020, **50**, 2531–2544. [I. F. = 1.43].

33. Mostafa E. Salem**,** Ahmed H. M. Elwahy and **Ahmed F. Darweesh**: An expedient synthesis of novel bis[thienopyridines] linked to arene or heteroarene core as novel hybrid molecules, ***Arkivoc***, 2020, **vi**, 312-329 [I. F. = 1.031].

34. **Ahmed F. Darweesh**, Soad K. Salama, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Green synthesis of novel bis(hexahydro-1*H*-xanthene-1,8(2*H*)-diones) employing *p*-toluenesulfonic acid (*p*-TSA) as a solid acid catalyst**,** ***Synthetic comm***., 2020, DOI. https://doi.org/10.1080/00397911.2020.1837170. [I. F. = 1.43].

35. **Ahmed F. Darweesh**, Soad K. Salama, Ismail A. Abdelhamid and Ahmed H. M. Elwahy: Bis(aldehydes): Versatile Precursors for Novel *Bis*(14*H*-dibenzo[*a*,*j*]xanthenes), *Bis*(pyrano[3,2-*c*:5,6-*c*']dichromenedione), and *Bis*(dihydrobenzo[*a*]xanthenones) *via* Multicomponent Reactions, ***J. Heterocycl. Chem.***, 2020, DOI. https://doi.org/10.1002/jhet.4170. [I. F. = 1.141].