



Curriculum Vitae

Personal data

Name	Mohsen Abdel-Motaal Gomaa
Birth date	22.09.1962
Place of birth	El-Minia, Egypt
Marital status	Married
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Home address	16 Saad Zaghloul Str. , 61111 El-Minia
School graduation	Etihaad Secondary School, El-Minia 06/1980
Education	B.Sc. (Distinction), chemistry, Minia University, 05/1984 M.Sc., Chemistry, "Synthesis in relation to the chemistry of natural products", Minia University 12/1988, under supervision of Prof. Dr Abd-El-Kareem M. N. Gohar and Yossef S. Mohamed, Department of Chemistry, Faculty of Science, Minia University, Egypt 12/1988. Ph. D., Organic chemistry., "On the reaction of imines and amidines with electron poor <i>p</i>-quinones and dicyanomethylene compounds" Duisburg University and Minia University 01/1994 under supervision of Prof. Dr. D. Döpp and Prof. Dr. Ahmed M. Nour-El-Din

Work Experience

Demonstrator 10/1984-12/1988	Department of Chemistry, Faculty of Science, Minia University, Egypt
Assistant Lecturer 12/1988-01/1994	Department of Chemistry, Faculty of Science, Minia University, Egypt

Lecturer 01/1994-07/1999	Department of Chemistry, Faculty of Science, Minia University, Egypt
Associate Professor 07/1999-02/2005	Department of Chemistry, Faculty of Science, Minia University, Egypt
Professor 02/2005 till now	Professor of Organic chemistry, Department of Chemistry, Faculty of Science, Minia University, Egypt

Visiting Professor 09/2005-09/2009	Teachers College, Science Division Al-Hasa, KSA
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Visiting Professor 09/2009-09/2013	King Faisal University, Science College, Chemistry Division, KSA
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Head of chemistry Department: 08/2021-07/2023	Department of Chemistry, Faculty of Science, Minia University, Egypt
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Honors/Awards

08/2018-10/2018	<i>Visiting Professor</i> <i>TU Kaiserslautern</i>	Deutsche Forschungsgemeinschaft DFG, Germany
06/2004	<i>Encouragement state prize in Chemical Sciences</i>	Academy of Scientific Research and Technology ASRT, Egypt
01/2000	<i>Minia University prize in Natural Sciences</i>	Minia University, Egypt
01/2002-03/2002	<i>Post-doc Fellowship</i> <i>(TU Dresden, Dr. W. Habicher)</i>	Deutsche Akademischer Austauschdienst DAAD, Germany
10/2001-12/2001	<i>Post-doc Fellowship</i> <i>(Duisburg University, Germany, Prof. Dr. D. Döpp)</i>	Gerrhard-Mercator Duisburg University, Germany
08/1996-09/1996	<i>Post-doc Fellowship</i> <i>(Duisburg University, Germany, Prof. Dr. D. Döpp)</i>	Deutsche Forschungsgemeinschaft DFG, Germany
09/1991-11/1993	<i>Ph.D. Scholarship</i> <i>(Duisburg University, Germany, Prof. Dr. D. Döpp)</i>	Ministry of Higher Education of A. R. of Egypt

List of publication

42. Mohsen A.-M. Gomaa, Doaa K. Hassan
"Catalyst Free Direct Synthesis of indeno[1,2-*b*]indol-5(4*bH*)-yl)benzimidamides"
Z. Naturforsch B, **78** (5). 261-265 (2023). DOI: [10.1515/znb-2022-0137](https://doi.org/10.1515/znb-2022-0137)
41. Mohsen A.-M. Gomaa; Huda A. Ali
"The Chemistry of 4-(dicyanomethylene)-3-methyl-1-phenyl-2-pyrazoline-5-ones
as a Privileged Scaffold in the Synthesis of Heterocycles"
Current Org. Synth. **18** (1), 75-98 (2021). DOI: [10.2174/1570179417666200924150340](https://doi.org/10.2174/1570179417666200924150340)
40. Mohsen A.-M. Gomaa, Momein H. El-Katatny and Huda A. Ali
Synthesis and characterization of N'-(11*H*-indeno[1,2-*b*]quinoxalin-11-ylidene)-
benzohydrazonamides as potential antimicrobial agents"
Synth. Commun. **50** (18), 2819-2829, (2019). DOI: [10.1080/00397911.2019.1658785](https://doi.org/10.1080/00397911.2019.1658785)
39. Mohsen A.-M. Gomaa; Doaa K. Hassan
"Synthesis, characterization, and antimicrobial activity of some new *N*-aryl- *N'*-
(2-oxoindolin-3-ylidene)-benzohydrazonamides "
Arch Pharmazie 1-12 (2019). DOI: [10.1002/ardp.201900209](https://doi.org/10.1002/ardp.201900209)
38. Mohsen A.-M. Gomaa; Georg Manolikakes; Yu Sun; Doaa K. Hassan
"Catalyst-free direct synthesis of β -enaminones through reaction of benzohydrazonamides
with cyclic 1,3-diketones: Access to exocyclic β -enaminones"
Synth. Commun. **49** (22), 3161-3168, (2019).
DOI: [10.1080/00397911.2019.1658785](https://doi.org/10.1080/00397911.2019.1658785)
37. Ashraf A Aly, Stefan Bräse and Mohsen A.-M. Gomaa
"Amidines: their synthesis, reactivity, and applications in heterocycle synthesis"
Arkivoc, **6**, 85-138, (2018).
36. Mohsen A.-M Gomaa, Huda A. Ali
"An efficient synthesis of highly substituted spiro[fluorene-9,3'-[1,2,4]triazoles from the reaction of *N*3-
substituted amidrazones with (2,4,7-trinitro-9*H*fluoren-9-ylidene)propanedinitrile"
J. Chem. Res. **42**(3), 138-140 (2018). doi:10.3184/174751918X15208586440824.
35. Mohsen A.-M Gomaa, Huda A. Ali
"An Efficient and Facile Synthesis of New Tetracyclic Fused pyrazolo[4,3-*c*][1,2,4]triazino[4,5-*a*]quinolin-
4(5*H*)-ones"
Mol. Divers. **22**, 969–977 (2018). doi.org/10.1007/s11030-018-9849-9
34. Ashraf A. Aly, Alaa A. Hassan, Mohsen A.-M. Gomaa, Stefan Bräse and Fatma M. Nemr

"Reaction of Amidrazones with Diaminomaleonitrile: Synthesis of 4-Amino-5-Iminopyrazoles"
J. Heterocyclic Chem., **54**, 480-483 (2017).

33. Ashraf A. Aly, Alaa A. Hassan, Mohsen A.-M. Gomaa, Stefan Bräse and Fatma M. Nemr
"Reaction of Amidrazones with Phthaloyl Chloride—Synthesis of 1,2,4-Triazolium Salts"
J. Heterocyclic Chem., **54**, 775-779 (2017).
32. Ashraf A. Aly, Alan B. Brown, Alaa A. Hassan, Mohsen A.-M. Gomaa and Fatma M. Nemr
"Reaction of ethyl 2-cyano-3,3-bis(methylthio)acrylate with amidrazones; synthesis of new mercapto-pyrazoles and NMR investigation",
J. sulfur chem., **36**, 502–510 (2015).
31. Abdelwahed R. Sayed Shar S. Al-Shihry and Mohsen A.-M. Gomaa
"Synthesis and characterization of novel heterocycles based on tetrazine and hydrazonoyl halides"
Eur. J. Chem. **5(2)**, 267-271 (2014).
30. Mohsen A.-M. Gomaa Abdel-Wahed R. Sayed, Ragab A. Masoud
"One-Pot Multi-Component Synthesis of Tetrahydroquinazolinones via Biginelli Condensation using Molecular Iodine as a Catalyst" **Eur. J. Chem.** **4(4)**, 466-468 (2013).
29. Mohsen A.-M. Gomaa
"Synthesis, Characterization and Antimicrobial Study of Substituted Benzopyranone Derivatives" **Chem. Sci. Trans.** **2(3)**, 964-968 (2013).
28. Mohsen A.-M. Gomaa
"Synthesis and Spectral Analysis of 3,4,5-trichloro-6-(dibenzo- [d,f][1,3]diazepin-5-yl)-[1,2]-benzoquinones"
E-J. Chem., **8(S1)**, S91-S96 (2011).
27. Ashraf A. Aly, Mohsen A.-M. Gomaa, Ahmed M. Nour El-Din, and Magda S. Fahmy
"Facile synthesis of 2-aryl-3-phenyl-5-phenylamino-2,5-dihydro-1,2,4-thiadiazole-5-carbonitriles"
Posphorous, Sulfur, Silicon and Related Elements **183**, 1783-1789 (2008).
26. Ashraf A. Aly, Ahmed M. Nour El-Din, Mohsen A.-M. Gomaa, and Magda S. Fahmy
"Rapid and Facile Synthesis of 4-Aryl-5-imino-3-phenyl-1H-naphtho[2,3-f]-1,2,4-triazepine-6,11-diones via the Reaction of Amidrazones with Dicyanonaphthoquinone"
Z. Naturforsch. **63b**, 223-228 (2008).
25. Ashraf A. Aly, Mohsen A.-M. Gomaa, Ahmed M. Nour El-Din, and Magda S. Fahmy
"Reactions of amidrazones with 1,4-quinones"
Arkivoc (xvi), 41-50 (2007).
24. Ashraf A. Aly, Ahmed M. Nour El-Din, Mohsen A.-M. Gomaa, Alan B. Brown and Magda S. Fahmi
"Unusual reactivity of 2,3-diphenylcyclopropanone towards N-imidoyl-thioureas; facile synthesis of 3-aryl-2,5,6-triphenylpyrimidin-4(3H)-one"
J. Chem. Res. 439–441 (2007).
23. Ashraf A. Aly, Alaa A. Hassan, Mohsen A.-M. Gomaa, and Essmat M. El-Sheref
"Unusual reactivity of thiosemicarbazides towards 2,3-diphenylcyclopropanone: synthesis of new pyridazinethiones and 1,2,4-triazoleo[4,3-b]pyridazinethiones"
Arkivoc (xiv), 1-11 (2007).

22. Ashraf A. Aly, Mohsen A.-M. Gomaa, Ahmed M. Nour El-Din and Magda S. Fahmi
"Amidrazones in the Synthesis of 1H-1,2,4-triazoles"
Z. Naturforsch. **61b**, 1239-1242 (2006).
21. Mohsen A.-M. Gomaa, Alaa A. Hassan and Hamdy S. Shehatta
"Synthesis of Novel Thiazole and Pyrrolothiadiazine Derivatives from Aldehyde Thiosemicarbazones"
Heteroatom Chem. **17 (4)**, 261-266 (2006).
20. Ashraf A. Aly and Mohsen A.-M. Gomaa
"New cycloaddition of diaryl azines with 1,2-dehydro-benzene, 1,1,2,2-tetracyanoethylene and dibenzoylacetylene; Facile synthesis of acridine, pyrazol-idine and pyridazine derivatives "
Can. J. Chem. **83**, 57-62 (2005).
19. Mohsen A.-M. Gomaa and D. Döpp
"New Dipyrirronols derived from 2,3-dihydro-1H-pyrrol-3-ones"
Monatsh.Chem. **136**, 169-175 (2005).
18. Mohsen A.-M. Gomaa
"Reaction of N¹,N²-Diarylamidines with 2,3-diphenyl-cyclopropanone"
Z. Naturforsch. B 597-600, (2004).
17. Mohsen A.-M. Gomaa and D. Döpp
"2-Spiroanellated 1,3-Benzodioxoles from the Reaction of 2,3-Dihydro-1H-pyrrol-3-ones with Tetrachloro-1,2-benzoquinone"
Monatsh. Chem. **135**, 1557-1561 (2004).
16. Mohsen A.-M. Gomaa
"Tribenzoyldihydropyridinols from dibenzoylacetylene and imines",
J. Chem. Res. 81-83, (2004).
15. Mohsen A.-M. Gomaa and D. Döpp
"Reaction of N¹,N²-Diarylamidines with (2,3-diphenylcycloprop-2-en-1-ylidene)malononitrile"
Synthesis 1545-1548, (2003).
14. Mohsen A.-M. Gomaa and D. Döpp
"Reaction of N¹,N²-Diarylamidines with 3,4,5,6-Tetrachloro-1,2-benzoquinone"
Tetrahedron 59 (31), 5887-5891, (2003).
13. Mohsen A.-M. Gomaa,
"Reaction of Diimines and Azines with Diphenylcyclopropen-one",
J. Chem. Soc. Perkin Trans. 1. 341-344 (2002).
12. Mohsen A.-M. Gomaa,
"Reaction of N¹,N²-Diarylamidines with 2-(3-methyl-5-oxo-1-phenyl-1H-pyrazol-4(5H)-ylidene)-propanedinitrile "
J. Chem. Res. (S), 387-389 (2001).
11. Mohsen A.-M. Gomaa, Ahmed M. Nour El-Din and Azza A. Mohamed
"Reaction of N¹,N²-Diarylacetamidines with Ethyl 2-Oxindoliden-3-ylidene cyanoacetate and

10. Mohsen A.-M. Gomaa,
"Reaction of 2-(3-methyl-5-oxo-1-phenyl-1H-pyrazol-4(5H)-ylidene)-propanedinitrile with 1,3-Dicarbonyl Compounds"
Pharmazie, 54, 352-354 (1999).
9. Mohsen A.-M. Gomaa and D. Döpp
"Reaction of N^1, N^2 -Diarylacetamidines with (2,4,7-Trinitro-9H-fluoren-9-ylidene)propanedinitriles"
J. Heterocyclic Chem., 35, 339-341 (1998).
8. Mohsen A.-M. Gomaa
"Reaction of N^1, N^2 -Diarylamidines with ω -Bromoacetophenone and Ethyl 2-bromoethanoate"
J. Chem. Res. (S), 654-655 (1998).
7. S. K. Mohamed, Mohsen A.-M. Gomaa and A. M. Nour El-Din
"Reaction of Triazene-1-oxide: Novel synthetic method of solid aryl diazonium chlorides"
J. Chem. Res. (S), 166-167 (1997).
6. Mohsen A.-M. Gomaa, S. K. Mohamed and A. M. Nour El-Din
"Reaction of N^1, N^2 -Diarylacetamidines with 2,3-Dicyano-1,4-naphthoquinone"
J. Chem. Res. (S), 284-285 (1997).
5. Mohsen A.-M. Gomaa,
"Reaction of N^1, N^2 -Diarylacetamidines with Alkynic Dienophiles : Synthesis of Pyridin-2-one Derivatives",
J. Chem. Res. (S) 444-445 (1997)
J. Chem. Res. (M), 2679-2687 (1997).
4. D. Döpp, Mohsen A.-M. Gomaa, G. Henkel and A. M. Nour El-Din
"Reaction of N^1, N^2 -Diarylamidines with Dicyanomethylene Compounds"
J. Chem. Soc. Perkin Trans. 2, 573-576 (1996).
3. Mohsen A.-M. Gomaa,
"Reaction of imines with Naphthoquinones and 2-(Dicyano-methylene)-1,3-indandione"
Bull. Chem. Soc. Jpn., 68 (11), 3131-3135 (1995).
2. D. Döpp, Mohsen A.-M. Gomaa, G. Henkel and A. M. Nour El-Din.
"Reaction of N^1, N^2 -Diarylamidines with Chloranil and 2,3-Dichloro-1,4-naphthoquinone",
J. Heterocyclic Chem., 32, 603-610 (1995).
1. A. M. Nour El-Din, A. E. Mourad, A. A. Hassan and Mohsen A.-M. Gomaa
"Reaction of Amidine Phenyllogous with *p*-Benzoquinones"
Bull. Chem. Soc. Jpn., 64, 1966-1970 (1991).