

## CURRICULUM VITAE

### I. Personal Data

**Name:** Dr. Nabila Abdelshafy Kheder

**Academic Rank:** Professor of organic chemistry

**Nationality:** *Egyptian*

**Languages:** Arabic-English

**Permanent Contact Information:**

Professor of Organic Chemistry

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### Academic Qualifications

<b>Date</b>	<b>Degree</b>	<b>Field</b>	<b>Institution</b>
2001	Ph. D. “Synthesis and Reactions of Some New Pyridine and Pyrimidine Derivatives”	Organic Chemistry	Department of Chemistry Faculty of Science Cairo University
1996	M. Sc. “Synthesis of Some Heterocyclic Compounds <i>via</i> Dipolar Cycloaddition Reaction”	Organic Chemistry	Department of Chemistry Faculty of Science Cairo University
1992	B.Sc (Excelent, Honor)	Chemistry	Department of Chemistry Faculty of Science Cairo University

**Employment History:**

<b>Date</b>	<b>Position</b>	<b>Institute</b>
<b>28/03/2017</b>	Professor of organic chemistry	Department of Chemistry -Faculty of Science Cairo University
<b>5/09/2011</b>	Associate Professor of organic chemistry	Department of Pharmaceutical Chemistry Faculty of Pharmacy-King Khalid University
<b>29/7/2009</b>	Assistant professor of organic chemistry	Department of Chemistry- Faculty of Science Cairo University
<b>4/03/2008</b>	Assistant professor of organic chemistry	Department of Pharmaceutical Chemistry Faculty of Pharmacy-King Khalid University
<b>26/9/2001</b>	Lecturer of organic chemistry	Department of Chemistry- Faculty of Science Cairo University
<b>20/6/1996</b>	Assistant Lecturer	Department of Chemistry- Faculty of Science Cairo University
<b>6/1/1993</b>	Instructor	Department of Chemistry- Faculty of Science Cairo University

**Teaching experience**

<b>No</b>	<b>Subject</b>	<b>Grade</b>
1	Reactions and Mechanisms of Aliphatic Compounds (Chem 241)	2 <sup>nd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
	Chemistry of bifunctional and alicyclic compounds (Chem 244)	2 <sup>nd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
2	Organic Synthesis (243)	2 <sup>nd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
3	Alicyclic and Polynuclear Compounds (Chem. 342)	3 <sup>rd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
4	Natural products (Chem. 351)	3 <sup>rd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)

5	Pharmaceutical Organic Chemistry PCH211 and PCH 218	2 <sup>nd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)
6	Medicinal Chemistry-1(PCH 331)	3 <sup>rd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)
7	Analytical Chemistry PCH 219	2 <sup>rd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)
8	Practical Organic Chemistry	Pre-Dental students Pre-Veterinary students Pre-Pharmacy students (Cairo University - Faculty of Science, Department of Chemistry)
9	Practical Analytical Chemistry	Pre-Dental students Pre-Veterinary students Pre-Pharmacy students (Cairo University - Faculty of Science, Department of Chemistry)
10	Practical Analytical Chemistry	1 <sup>st</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
11	Practical Organic Chemistry	1 <sup>st</sup> Year students, Cairo University - Faculty of Science, Department of Chemistry
12	Practical Organic Chemistry	2 <sup>nd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
13	Practical Organic Chemistry	3 <sup>rd</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
14	Practical Organic Chemistry	4 <sup>th</sup> Year students (Cairo University - Faculty of Science, Department of Chemistry)
15	Practical Pharmaceutical Organic Chemistry	2 <sup>nd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)
16	Practical Medicinal chemistry PCH 332	3 <sup>rd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)

17	Practical Analytical Chemistry PCH 219 and PCH 221	2 <sup>rd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)
18	Practical Analytical Chemistry PCH 320	3 <sup>rd</sup> Year students (King Khalid University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry)

### Research Interests:

- Synthesis and biological evaluation of several heterocyclic ring systems using a number of synthetic routes e.g. regioselective 1,3-dipolar cycloaddition.
- Synthesis of a variety of bis-heterocycles

### Funded Research Project:

- Participant in, the research project entitled "**Curcumin as Precursor for Synthesis of Bioactive Bis-Pyrimidine, Bis-Pyrazole, and Bis-Pyrrole Derivatives: Synthesis, and Biological Evaluation as Potential Antitumor and Antimicrobial Agents**" financed by King Khalid University; grant number (G.R.P-495-38).
- Participant in, the research project entitled "**Eco-Friendly Synthesis, Characterization and Biological Evaluation of Some Novel Pyrazolines Containing Thiazole Moiety as Potential Anticancer and Antimicrobial Agents**" financed by King Khalid University; grant number (G.R.P-68 -39).
- Participant in, the research project entitled "**Green Synthesis and biological evaluation of Some Novel Thiazole-Based Heterocycles as Potential Anticancer and Antimicrobial Agents** " financed by King Khalid University; grant number (G.R.P-74-39).

### Research Publications

1. M. Farag, A., **A. Kheder, N.**, & M. Dawood, K. (2023). Synthesis and Characterization of Some New Pyridine-Carboxamide Derivatives of Potential Biological Activities. Polycyclic Aromatic Compounds, 1-11. <https://doi.org/10.1080/10406638.2023.2270762>.
2. **A. Kheder, N.**, Ather, H., R. Emam, D., S. Mahmoud, N., Fahim, A. M., & M. Farag, A. (2023). Synthesis and in-Silico Studies of Some New Thiazole Carboxamide Derivatives with Theoretical Investigation. Polycyclic Aromatic Compounds, 1–19. <https://doi.org/10.1080/10406638.2023.2243639>.
3. Muhsinah, A. B., Alharbi, M. M., Soliman, S. M., **Kheder, N. A.**, Ghabbour, H. A., & Mabkhot, Y. N. (2024). New thiazole derivatives: Synthesis, X-ray crystal structure, Hirshfeld surface analysis, and

- biological evaluations as potential antimicrobial and antitumor agents. *Journal of Molecular Structure*, 1309, 138235.
4. Khodair, A. I., Metwally, A. I., **Kheder, N. A.**, & El-Tahawy, M. M. (2024). New bis-hydantoin/thiohydantoin derivatives: Regioselective synthesis, antibacterial activity, molecular docking, and computational insights. *Journal of Molecular Structure*, 1303, 137565.
  5. **Kheder, N. A.**, Fahim, A. M., Mahmoud, N. S., & Dawood, K. M. (2024). Unexpected products using Biginelli reaction: Synthesis, antimicrobial potency, docking simulation, and DFT investigations of some new amidopyridines. *Journal of Molecular Structure*, 1295, 136772.
  6. Al-Aizari, F. A., Ghabbour, H. A., **Kheder, N. A.**, Soliman, S. M., Hassan, M. Z., Tasqeeruddin, S., & Mabkhot, Y. N. (2024). Synthesis, X-Ray Structure Analysis, Computational Investigations, and In Vitro Biological Evaluation of New Thiazole-Based Heterocycles as Possible Antimicrobial Agents. *Polycyclic Aromatic Compounds*, 44(1), 261-274.
  7. Abdallah, A. M., Gomha, S. M., Zaki, M. E., Abolibda, T. Z., & **Kheder, N. A.** (2023). A green synthesis, DFT calculations, and molecular docking study of some new indeno [2, 1-b] quinoxalines containing thiazole moiety. *Journal of Molecular Structure*, 1292, 136044.
  8. Farag, A. M., **Kheder, N. A.**, Fahim, A. M., & Dawood, K. M. (2023). Regioselective synthesis and computational calculation studies of some new pyrazolyl-pyridine and bipyridine derivatives. *Journal of Heterocyclic Chemistry*, 60(9), 1593-1608.
  9. Ahmed, A., Imam, D. R., El-Tahawy, M. M., El-Hallouty, S. M., **Kheder, N. A.**, & Khodair, A. I. (2023). Unexpected synthesis, characterization, biological evaluations, and computational details of novel nucleosides containing triazine-pyrrole hybrid. *Journal of Molecular Structure*, 1272, 134182.
  10. **Kheder, N. A.**, Ather, H., Mahmoud, N. S., Farag, A. M., & El Defrawy, A. M. (2023). Regioselective synthesis of some new pyrazole and isoxazole derivatives incorporating benzothiazole moiety: Experimental and theoretical studies. *Synthetic Communications*, 53(21), 1799-1811.
  11. Abu-Melha, S., Edrees, M. M., **Kheder, N. A.**, Saad, A. M., Riyadh, S. M., Abdel-Aziz, M. M., ... & Gomha, S. M. (2022). Synthesis and Anti-Tubercular (Tb) Evaluation of Bis [4-Ethylidineamino [1, 2, 4] Triazole-3-Thiol] Tethered by 1, 4-Dihydropyridine. *Russian Journal of Bioorganic Chemistry*, 48(2), 345-352.
  12. Khodair, A. I., Kassab, S. E., **Kheder, N. A.**, & Fahim, A. M. (2022). Synthesis of novel d- $\alpha$ -galactopyranosyl-l-seryl/l-threonyl-l-alanyl-l-alanine as useful precursors of new glycopeptide antibiotics with computational calculations studies. *Carbohydrate Research*, 514, 108546.
  13. Mabkhot, Y. N., Khaled, J. M., Alharbi, N. S., Mohammed, F. A. N., Abdo Almekhlafi, F., Abutaha, N. M., ... & Alsayari, A. (2022). An Economic Synthesis of New Thiazole Derivative as a Potent Anticancer, Anti-Antibiotic Resistant Bacteria, and Larvicidal Agent. *Polycyclic Aromatic Compounds*, 42(9), 6537-6545.

14. Mabkhot, Y. N., Alsayari, A., Bin Muhsinah, A., Algarni, H., Soliman, S. M., **Kheder, N. A.**, ... & Hassan, M. Z. (2022). Synthesis, X-Ray Structural Analysis and Computational Studies of a Novel Bis (2-Thienyl) Disulfide Derivative. *Polycyclic Aromatic Compounds*, 42(5), 2852-2860.
15. Sobhi M. Gomha, Mastoura M. Edrees, Zeinab A. Muhammad, **Nabila A. Kheder**, Sraa Abu- Melha & Amirah M. Saad. Synthesis, Characterization, and Antimicrobial Evaluation of Some New 1,4-Dihydropyridines-1,2,4-Triazole Hybrid Compounds, **Polycyclic Aromatic Compounds**, 2022, 42:1, 173-185
16. Alsayari, A, Muhsinah AB, Asiri YI, Al-Aizari FA, **Kheder NA**, Almarhoon ZM, Ghabbour HA, Mabkhot YN. Synthesis, Characterization, and Biological Evaluation of Some Novel Pyrazolo[5,1-b]thiazole Derivatives as Potential Antimicrobial and Anticancer Agents. **Molecules**. 2021, 4; 26(17):5383.
17. Khodair, A. I., Ahmed, A., Emam, D. R., **Kheder, N. A.**, Elmalki, F., & Hadda, T. B. Synthesis, Antiviral, DFT and Molecular Docking Studies of Some Novel 1, 2, 4-Triazine Nucleosides as Potential Bioactive Compounds. **Carbohydrate Research** 500 (2021) 108246.
18. Hadda TB, Deniz FSS, Orhan IE, Zgou H, Rauf A, Mabkhot YN, Bennani B, Emam DR, **Kheder NA**, Asayari A, Muhsinah AB, Maalik A. Spiro Heterocyclic Compounds as Potential Anti-Alzheimer Agents (Part 2): Their Metal Chelation Capacity, POM Analyses and DFT Studies. **Med Chem**. 2021;17(8):834-843.
19. Yahia N. Mabkhot, Jamal M. A. Khaled, Naiyf S. H. A. Alharbi, Fahd Ali Nasr Mohammed, Fahd Abdo Almekhlafi, Nael Mahmmoud Abutaha, **Nabila A. Kheder**, Yahya I. Asiri, Abdullatif Bin Muhsinah & Abdulrhman Alsayari (2021) An Economic Synthesis of New Thiazole Derivative as a Potent Anticancer, Anti-Antibiotic Resistant Bacteria, and Larvicidal Agent, **Polycyclic Aromatic Compounds**, DOI: 10.1080/10406638.2021.1984952.
20. S. Abu-Melha, M. M. Edrees, **N. A. Kheder**, A. M. Saad, S. M. Riyadh, M. M. Abdel-Aziz, M. A. Abdelmoaz, and S. M. Gomha (2021). Synthesis and Anti-tubercular (Tb) Evaluation of Bis-[4-ethylideneamino [1,2,4]triazole-3-thiol] tethered by 1,4-Dihydropyridine. Accepted for publication in **Russian Journal of Bioorganic Chemistry**.
21. Mabkhot, Y. N., Alsayari, A., Bin Muhsinah, A., Algarni, H., Soliman, S. M., **Kheder, N. A.**, ... & Hassan, M. Z. (2020). Synthesis, X-Ray Structural Analysis and Computational Studies of a Novel Bis (2-Thienyl) Disulfide Derivative. **Polycyclic Aromatic Compounds**, 1-9. DOI: 10.1080/10406638.2020.1852281
22. Muhsinah, A. B., Alsayari, A., Algarni, H., Soliman, S. M., **Kheder, N. A.**, Ghabbour, H. A., ... & Mabkhot, Y. N. (2020). Synthesis, X-ray analysis and computational studies of two novel thiophene derivatives. *Journal of Sulfur Chemistry*, 41(5), 517-529.
23. Mabkhot, Y. N., Al-Showiman, S. S., Barakat, A., Soliman, S. M., **Kheder, N. A.**, Alharbi, M. M., ... & Badshah, S. L. (2019). Computational studies of 2-(4-oxo-3-phenylthiazolidin-2-ylidene) malononitrile. *BMC chemistry*, 13(1), 1-11.

24. Mabkhot, Y. N., Algarni, H., Alsayari, A., Bin Muhsinah, A., **Kheder, N. A.**, Almarhoon, Z. M., & Al-Aizari, F. A. (2019). Synthesis, X-ray analysis, biological evaluation and molecular docking study of new thiazoline derivatives. *Molecules*, 24(9), 1654.
25. Mabkhot, Y. N., Alharbi, M. M., Al-Showiman, S. S., Soliman, S. M., **Kheder, N. A.**, Frey, W., ... & Algarni, H. (2019). A novel synthesis, X-ray analysis and computational studies of (Z)-ethyl 2-((Z)-5-((dimethylamino) methylene)-4-oxo-3-phenylthiazolidin-2-ylidene) acetate as a potential anticancer agent. *BMC chemistry*, 13(1), 1-11.
26. Abu-Melha, S., Edrees, M. M., Salem, H. H., **Kheder, N. A.**, Gomha, S. M., & Abdelaziz, M. R. (2019). Synthesis and biological evaluation of some novel thiazole-based heterocycles as potential anticancer and antimicrobial agents. *Molecules*, 24(3), 539.
27. Mabkhot, Y. N., Alharbi, M. M., Al-Showiman, S. S., Ghabbour, H. A., **Kheder, N. A.**, Soliman, S. M., & Frey, W. (2018). Stereoselective synthesis, X-ray analysis, computational studies and biological evaluation of new thiazole derivatives as potential anticancer agents. *Chemistry Central Journal*, 12(1), 1-9.
28. Edrees, M. M., Melha, S. A., Saad, A. M., **Kheder, N. A.**, Gomha, S. M., & Muhammad, Z. A. (2018). Eco-friendly synthesis, characterization and biological evaluation of some novel pyrazolines containing thiazole moiety as potential anticancer and antimicrobial agents. *Molecules*, 23(11), 2970.
29. Gomha, S. M., Abdelaziz, M. R., **Kheder, N. A.**, Abdel-Aziz, H. M., Alterary, S., & Mabkhot, Y. N. (2017). A facile access and evaluation of some novel thiazole and 1, 3, 4-thiadiazole derivatives incorporating thiazole moiety as potent anticancer agents. *Chemistry Central Journal*, 11(1), 1-8.
30. Mabkhot, Y. N., Alatibi, F., El-Sayed, N. N., Al-Showiman, S. S., Kheder, N. A., & Ghabbour, H. A. (2017). A facile synthesis and characterization of some new thiophene based heterocycles. *Journal of Molecular Structure*, 1149, 736-743.
31. Emam, D. R., Alhajoj, A. M., Elattar, K. M., **Kheder, N. A.**, & Fadda, A. A. (2017). Synthesis and evaluation of curcuminoid analogues as antioxidant and antibacterial agents. *Molecules*, 22(6), 971.
32. Al-Shamary, D. S., Al-Alshaikh, M. A., **Kheder, N. A.**, Mabkhot, Y. N., & Badshah, S. L. (2017). Molecular docking and biological evaluation of some thioxoquinazolin-4 (3H)-one derivatives as anticancer, antioxidant and anticonvulsant agents. *Chemistry Central Journal*, 11(1), 1-12.
33. Farag, A. M., **Kheder, N. A.**, Dawood, K. M., & El Defrawy, A. M. (2017). A facile access and computational studies of some new 4, 5'-bipyrazole derivatives. *Heterocycles* 94(7), 1245-1256.
34. Gomha, S. M., **Kheder, N. A.**, Abdelaziz, M. R., Mabkhot, Y. N., & Alhajoj, A. M. (2017). A facile synthesis and anticancer activity of some novel thiazoles carrying 1, 3, 4-thiadiazole moiety. *Chemistry Central Journal*, 11(1), 1-9.
35. **Kheder, N. A.**, Dalia R, E., & Ather, H. (2017). Synthesis and Antibacterial Activities of Some New Heterocycles Attached to Pyridinecarboxamide Moiety of Potential Biological Activity. *Heterocycles*, 94(4), 665-675.

36. **Kheder, N. A.**, & Farghaly, T. A. R. (2017). Bis-Hydrazoneoyl chloride as precursors for synthesis of novel polysubstituted bis-azoles. **Arabian Journal of Chemistry**, 10, S3007-S3014.
37. **Kheder, N. A.** (2016). Hydrazoneoyl chlorides as precursors for synthesis of novel bis-pyrrole derivatives. **Molecules**, 21(3), 326.
38. Mabkhot, Y. N., **Kheder, N. A.**, Barakat, A., Choudhary, M. I., Yousuf, S., & Frey, W. (2016). Synthesis, antimicrobial, anti-cancer and molecular docking of two novel hitherto unreported thiophenes. **RSC advances**, 6(68), 63724-63729.
39. Gomha, S. M., **Kheder, N. A.**, Abdelhamid, A. O., & Mabkhot, Y. N. (2016). One pot single step synthesis and biological evaluation of some novel bis (1, 3, 4-thiadiazole) derivatives as potential cytotoxic agents. **Molecules**, 21(11), 1532.
40. Mabkhot, Y. N., Alatibi, F., El-Sayed, N. N. E., **Kheder, N. A.**, & Al-Showiman, S. S. (2016). Synthesis and structure-activity relationship of some new thiophene-based heterocycles as potential antimicrobial agents. **Molecules**, 21(8), 1036.
41. Mabkhot, Y. N., Alatibi, F., El-Sayed, N. N. E., Al-Showiman, S., **Kheder, N. A.**, Wadood, A., ... & Hadda, T. B. (2016). Antimicrobial activity of some novel armed thiophene derivatives and petra/osiris/molinspiration (POM) analyses. **Molecules**, 21(2), 222.
42. **Kheder, N.A.**, & ALTALBAWY, F. Synthesis, in Vitro antimicrobial, anti-liver cancer evaluation of some novel bis-cyanoacrylamide and bis-azoles derivatives. **Int J Pharm Pharm Sci**, 2016, Vol 8, Issue 1, 420-427.
43. Ahmad M. Farag, **Nabila A. Kheder**, Kamal M. Dawood" A Convenient access to Functionalized 1,3,4-Thiadiazole, Thiazole, Thiophene, Thieno[2,3-*d*]pyrimidine, Pyrimidine, and Thiazolo[3,2-*a*]pyrimidine Derivatives" **American Journal of Organic Chemistry** 2015, 5(2), 73-77 DOI: 10.5923/j.ajoc.20150502.02.
44. **Nabila A. Kheder**, Yahia N.Mabkhot, Fawzia R. Zahian, and Sara S. Mohamed "Regioselective Synthesis of Some Pyrazole Scaffolds Attached to Benzothiazole and Benzimidazole Moieties" **Journal of Chemistry**, 2014, Volume 2014, <http://dx.doi.org/10.1155/2014/581721>.
45. **Nabila Abdelshafy Kheder** and Elham Sayed Darwish " Diethyl 2,2'-[Biphenyl-4,4'-diyldihydrazin-2-yl-1-ylidene]bis(chloroacetate)" **Molbank** , 2014, M813; doi:10.3390/M813.
46. Ahmad M. Farag, **Nabila A. Kheder**, and Kamal M. Dawood, " Efficient Syntheses of Some New Pyridine Based Heterocycles " **International Journal of Modern Organic Chemistry**, 2013, 2(1),26.

47. **Nabila Abdelshafy Kheder**, Sayed Mohamed Riyadh, and Ahlam Maade Asiry "Azoles and bis-Azoles: Synthesis and Biological Evaluation as Antimicrobial and Anti-cancer Agents" *Chem. Pharm. Bull.* **2013**, 61(5) 504.
48. Yahia Nasser Mabkhot, **Nabila Abdelshafy Kheder** and Ahmad M. Farag "Synthesis and Antimicrobial Activity of Some New Thieno[2,3-*b*]thiophene Derivatives" *Molecules*, **2013**, 18, 4669.
49. Sayed M. Riyadh, **Nabila A. Kheder**, and Ahlam M. Asiry " Synthesis, anticancer, and antimicrobial activities of some new antipyrine-based heterocycles" *Monatshefte für Chemie - Chemical Monthly*, **2013**, 144 (10), 1559.
50. **Nabila A. Kheder**, Sayed M. Riyadh, and Ahlam M. Asiry" A facile and convenient synthesis of novel pyridine Derivatives incorporating antipyrine moiety and Investigation of their antimicrobial activities" *Heterocycles*, **2012**, 85, 2259.
51. **Nabila Abdelshafy Kheder** and Yahia Nasser Mabkhot "Synthesis and Antimicrobial Studies of Some Novel Bis-[1,3,4]thiadiazole and Bis-thiazole Pendant to Thieno[2,3-*b*]thiophene Moiety" *Int. J. Mol. Sci.*, **2012**, 13, 3661
52. Yahia N. Mabkhot, **Nabila A. Kheder**, and Ahmad M. Farag " synthesis and antimicrobial evaluation of some new Tetrahydropyrimidine derivatives" *Heterocycles*, **2011**, 83, 609.
53. Elham S. Darwish, **Nabila A. Kheder**, and Ahmad M. Farag" synthesis and antimicrobial evaluation of some new pyridine based heterocycles" *Heterocycles*, **2010**, 81(10), 2247.
54. A Facile Access to Some New pyrazole, 1,3,4-Thiadiazole, and Thiophene Derivatives via *B*-Ketosulfones, Kamal M. Dawood, **Nabila A. Kheder**, Eman A. Ragab and Sanaa N. Mohamed, *Phosphorus, Sulfur, and Silicon and the Related Elements*, **2010**, Volume 185, Issue 2, 330-339.
55. Yahia N. Mabkhot, **Nabila A. Kheder** and Ahmad M. Farag. An Efficient Synthesis of New Thiazole Based Heterocycles. *Heterocycles*, **2010**, Volume 81, Issue 10 , 2369-2376
56. **Nabila A. Kheder** "Convenient synthesis of novel bis(hydrazone) and bis(indole) derivatives" *Heterocycles*, **2009**, 78(5), 1281-1288.
57. **Nabila A. Kheder**, Elham S. Darwish, and Kamal M. Dawood" Synthesis of some new inolizine and pyrrolo[1,2-*a*]-quinoline derivatives via nitrogen ylides" *Heterocycles*, **2009**, 78(1), 177-188.

58. **Nabila A. Kheder**, Yahia N. Mabkhot, and Ahmad M. Farag" A convenient route to new pyrrolo[1,2-c]pyrimidone, thiazolo[3,4-c]pyrimidone and pyrimido[4,5-d]pyridazine derivatives" *Heterocycles*, **2009**, 78(4), 937.
59. Synthesis and Antimicrobial Evaluation of new pyrazole, thiophene, thiazole and 1,3,4-thiadiazole derivatives incorporating pyrimidine ring, Ahmad M. Farag, **Nabila A. Kheder**, and Yahia N. Mabkhot, *Heterocycles*, **2009**, Vol 78, No 7, pp. 1787-1798.
60. **Nabila A. Kheder**, Synthesis of some novel bis(pyrazole), bis(pyridine) and bis pyrazolo[5,1-c]-1,2,4-triazine derivatives.,*Heterocycles*, **2009**, Vol 78, No 7, 1815-1822.
61. Kamal M. Dawood, Eman A. Ragab and **Nabila A. Kheder**, Facile Access to Annulated quinoline and isoquinoline Heterocycles via Their Nitrogen Ylides . *J. Chin. Chem. Soc.*,**2009**, Vol. 56, 1180-1185.
62. **Nabila A. Kheder**, Yahia N. Mabkhot, and Ahmad M. Farag"Facile and Convenient Synthesis of Pyrazole,Pyridine, Pyridazine, Pyrazolo[3,4-b]pyridine, and Pyrazolo[5,1-c][1,2,4]triazine Derivatives" *Synthetic Communications*, **2008**, 38, 3170-3182.
63. **Nabila A. Kheder**, Yahia N. Mabkhot, and Ahmad M. Farag" Synthesis and antimicrobial evaluation of some bis(thioxopyridine), bis(pyrazolo[3,4-b]pyridine), bis(thieno[2,3-b]pyridine), bis(1,3,4-thiadiazole) and bis-thiophene derivatives" *Heterocycles*, **2008**, 75(12), 2937.
64. **Nabila A. Kheder**, Yahia N. Mabkhot, and Ahmad M. Farag"A convenient access to new pyrido[4,3-d]pyrimidine, thiazolo[3,4-c]pyrimidine and pyrimido[4,5-d]pyridazine derivatives"*Arkivoc*, **2008**, xvii 107-116.
65. Kamal M. Dawood, Ahmad M. Farag, and **Nabila. A. Kheder** " A Facile route to novel 2-pyridone, pyrazolo[3,4-d]-1,2,3-triazine, and pyrazolo[3,4-d]-and [1,5-a]-pyrimidine derivatives " *ARKIVOC*, **2008**, XV, 166.
66. Ahmad M. Farag, Kamal M. Dawood and **Nabila A. Kheder** " Regioselective Synthesis of Novel 4,4'- and 5,5'-Bi-(1,2,4-triazole) Derivatives" *J Chem. Res.* **2007**, 472.
67. Ahmad M. Farag; **Nabila A. Kheder**, M. Budesinsky " Regioselective Synthesis of Polysubstituted 3,3'-Bi-1H-pyrazole Derivatives via 1,3-Dipolar Cycloaddition Reactions" *Tetrahedron* **1997**, 53, 9293.

### **Conferences**

- 1- Participated in "The second conference of Chemistry, organized by the Faculty of Science - Cairo University, **4-7/3/ 2002**".
- 2- Participated in "The fourth Conference of Chemistry, organized by the Faculty of Science - Cairo University, **5-8/3/2006**.
- 3- Participated in "The Ninth International Conference of Chemistry and its role in development, organized by the Faculty of Science - Mansoura University, **4 /2007**".
- 4- Participated in "5<sup>th</sup> Conference of Chemistry, organized by the Faculty of Science - Cairo University, **1-4/3/2008**".

- 5- Participated in "5<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2009**".
- 6- Participated in "6<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2010**".
- 7- Participated in "7<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2011**".
- 8- Participated in "8<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2012**" by poster and as a member of organization committee.
- 9- Participated in "The First Scientific Conference For Health Colleges at the University Center For Girls' Studies at **KKU 2013/1434H**" by poster and as a member of scientific and organization committee.
- 10- Participated in "9<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2013**."
- 11- Participated in "10<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2014**"
- 12- Participated in "Fifth International Chemistry Conference, which is jointly organized by King Khalid University and Saudi Chemical Society. Abha City, 26 – 29 April 2014.
13. Participated in "12<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2017**."
14. Participated in "13<sup>th</sup> Annual Research Day of the Medical Colleges, King Khalid University, **2018**."
- 16.** Participated in "8th Biannual International Conference on "Frontiers in Chemical Sciences, organized by the Faculty of Science - Cairo University, **2-4/3/ 2020**".

### **Professional Achievements**

- Quality coordinator at the Faculty of Pharmacy- King Khalid University 2010-2013.
- Coordinator of the Student Activity, Faculty of Pharmacy- King Khalid University 2009-2012.

### **Experiences:**

1. Computer Skills (Chem. Draw, Excel, Word, Power Point, *Isis*)
2. IR, Mass Spectra, NMR and Organic Synthesis.
3. Training Course in "Course in chemical safety ", 1995, Egypt
4. Training Course in "English language", 1997, Cairo University.
5. Training Course in "The university teacher preparation", 1997, Cairo University.
6. Training Course in "Modern methods in teaching", 6-9/8/2005, Cairo University.
7. Training Course in "Time management and work pressures", 10-13/9/2005, Cairo University.
8. Training Course in "Effective communication skills", 30/7 to 2/8/2005, Cairo University.
9. Training Course in "Credit Hours Education", 12-13/4/2006, Cairo University.
10. Training Course in "Working towards Accreditation", 16-18/1/1431H, KSA.
11. Training Course in "Self-evaluation and peer assessment", 2010, KSA
12. Training Course in "Competitive research projects", 7-8/8/2010, Cairo University.
13. Training Course in "Conference Organization", 9-10/8/2010, Cairo University.
14. Workshop "Methods of scientific research in the health field "11-12/6/1432H, KSA.
15. Workshop "The role of Student Evaluation in the Academic Development " 25/12/1432H, KSA
16. Workshop " Teaching and Learning Assessment strategies at institutional and program levels ".29-30/11/2011, KSA.

17. Training Course in "Utilizing open resources", 3/12/2012, KSA.
18. Training Course in " Student's assessment via (Blackboard 9.1)", 16/12/2012, KSA
19. Training Course in "Quality Standards in teaching", 12-13/8/2015, Cairo University.
20. Training Course in "Exams and Students Evaluation Systems", 1-2/8/2015, Cairo University.
21. Training Course in "International Publishing of Scientific Research", 10-11/8/2015, Cairo University.
22. Training Course in "Research Ethics", 10-11/8/2015, Cairo University.
23. Training Course in "University Management", 22-23/8/2016, Cairo University.
24. Training Course in "Decision Making and Problem Solving", 24-25/8/2016, Cairo University.