

CURRICULUM VITAE (CV)



Full Name: Kamal Mohamed Hamed Dawood
First Name: Kamal
Family Name: Dawood
Date of Birth: March 31, 1965
Place of Birth: Kafr El-Shiekh, Egypt
Nationality: Egyptian
Gender: Male
Marital Status: Married (has 4 children)
Occupation: Professor of Organic Chemistry, Faculty of Science, Cairo University
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Education:

10/1983-5/1987 B.Sc., Chemistry, Cairo University, Egypt (Very good with Honors, 83.5%).
9/1990-7/1992 M.Sc., Organic Chemistry, Cairo University, Egypt.
6/1993-6/1995 Ph.D., Organic Chemistry, Cairo University, Egypt
10/1997-9/1998 Diploma, Electroorganic Chemistry, Tokyo Institute of Technology, Japan.

Teaching Experiences:

Teaching the following courses to the undergraduate students since 1995 - to date:

Basics of Organic Chemistry - Chemistry of Natural Products - Organic Synthesis
Basics of Biochemistry - Physical Organic Chemistry - Heterocyclic chemistry,
Spectroscopic analysis, Chemistry of Polymers.

Teaching the following courses to the postgraduate (MSc, PhD) students since 2005 - to date:

Electroorganic Synthesis - Organometallic Chemistry, Green Chemistry -
Advanced Organic Synthesis, Advanced Organic Catalysis.

Academic Jobs:

12/1988-3/1990 Research Assistant at National Research Center, Cairo, Egypt
3/1990-11/1992 Demonstrator at Department of Chemistry, Faculty of Science, Cairo Univ.
12/1992-12/1995 Assistant Lecturer at Department of Chemistry, Faculty of Science, Cairo Univ.
12/1995-5/2002 Lecturer at Department of Chemistry, Faculty of Science, Cairo Univ.
5/2002-4/2007 Associate Professor at Department of Chemistry, Faculty of Science, Cairo Univ.
9/2009-2/2011 Visiting Professor of Organic Chemistry, Faculty of Science, Sebha Univ., Libya
9/2013-8/2017 Professor of Organic Chemistry at Faculty of Science, Kuwait Univ., Kuwait.
5/2007-to date Professor of Organic Chemistry at Faculty of Science, Cairo Univ.

Scientific Fellowships:

- 10/1997-9/1998** UNESCO Post-Doc. Fellow at Tokyo Inst. Tech., with Prof. T. Fuchigami.
12/1999-11/2001 JSPS Post-Doc Fellow at Tokyo Institute of Tech., with Prof. T. Fuchigami.
4/2004-10/2005 Alexander von Humboldt Fellow (**AvH**) at Institute of Organic Chemistry, Hanover University, with Prof. A. Kirschning
7/2007-9/2007 **AvH** Fellow at Institute of Organic Chemistry, Dresden Technical University, with Prof. Peter Metz
7/2008-9/2008 **AvH** Fellow at Institute of Organic Chemistry, Dresden Technical University, with Prof. Peter Metz
7/2012-9/2012 **AvH** Fellow at Institute of Organic Chemistry, Dresden Technical University, with Prof. Peter Metz

Awards:

- Cairo University Incentive Award in Chemistry **2002**
Egypt-State Incentive Award in Chemistry **2007**
Cairo University Award for Academic Excellence **2012**

Supervision:

- Supervised **11** awarded MSc. Theses in Organic Synthesis and Biotechnology.
- Supervised **8** awarded PhD. Theses in Organic Synthesis and Natural Products.

Memberships:

- 1-** General Secretary of the Egyptian Universities Promotion's Committee (Organic Chemistry Sector) 2013
- 2-** Member of Editorial Board of *ISRN Organic Chemistry*, Hindawi Publishing Corporation, open access journal.
- 3-** Member of Editorial Board of *Modern Chemistry*, Science Publishing Group, open access journal.
- 4-** Member of the Egyptian National Committee of Pure and applied Chemistry
- 5-** Organizer of the Egyptian National Chemistry Olympiad 2002-2009
- 6-** Member of the Organizing Committee the *Biannual Conference in Chemistry*, Cairo University 2006 and 2008
- 7-** Member of the Selection Committee of the GERSS and GERLS scholarship programs, DAAD, Cairo, 2013.

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-** Regio- and stereoselective synthesis of a variety of spiro- and bis-heterocycles.
- 3-** Regio- and stereoselective synthesis of a variety of biologically active fluorine containing heterocycles via electrochemical anodic methodology.
- 4-** Solid-phase assisted metal catalyzed organic synthesis under microwave irradiation.
- 5-** Partial synthesis of natural products via sultones.

Publications and Refereeing:

Total publications about 120 published scientific papers and reviews in distinguished international chemistry journals, with overall citations more than 1950 and *h*-index 24. Total presentations in international conferences and workshops are 24. Reviewer of more than 100 scientific papers in various international journals, as well as a referee of 12 PhD and MSc Theses in different Egyptian Universities.

Research Projects Funded by Kuwait University:

- 1- Project Title:** Regio- and stereoselective 1,3-dipolar cycloaddition towards Spiroheterocyclic Compounds.
(SC 03/14), (Completed, 15.7.2014 – 14.1.2015)
Haider Behbehani and Kamal Dawood
- 2- Project Title :** Synthesis and Charaterization of Multi-Dentate Ligand-Metal Complexes and Their Catalytic Activity in Suzuki Coupling Reactions.
(SC013/15) (Completed, 1.2.2016 – 1.2.2017)
Osman Al-Fulaij and Kamal Dawood
- 3- Project Title:** Ultrasound-assisted regio- and stereoselective 1,3-dipolar cycloaddition of bis-nitrilimines towards spiro- and fused-heterocycles.
(SC 06/15) (Ongoing, 1.2.2016 – 1.2.2018)
Haider Behbehani and Kamal Dawood
- 4- Project Title:** Solid-Phase Assisted Palladium(II) Catalyzed Suzuki and Sonogashira Cross-Coupling Reactions Towards Liquid Crystalline Heteroaromatic-Based Oligomers.
(SC 01/15) (Ongoing, 1.6.2017 – 30.5.2020)
Hamad El-Matar and Kamal Dawood

List of Publications of
Dr. Kamal Mohamed Dawood
Professor of Organic Chemistry

1. Facile Synthesis of Bi-1,2,4-triazoles via Hydrazonoyl Halides.
Ahmed S. Shawali, Ahmed M. Farag, Hasan A. Albar and **Kamal M. Dawood**.
Tetrahedron, **1993**, 49 (13), 2761-2766.
2. 1,3-Dipolar Cycloaddition Synthesis of 3,3'-Bi(2-pyrazolines), 3,3'-Bi-pyrazoles and 3,3'-Bi-1,2,4-triazoles.
Ahmed M. Farag, Ahmed S. Shawali, Nosrat M. Abed and **Kamal M. Dawood**.
Gazz. Chim. Ital., **1993**, 123, 467-470.
3. One Step Synthesis of Novel 2,2'-Bi-(4,5-dihydro-1,3,4-thiadiazole) and 2,3-Disubstituted 1,4-Benzothiazine Derivatives.
Ahmed M. Farag, Ahmed S. Shawali, Mohamed S. Algharib and **Kamal M. Dawood**
Tetrahedron, **1994**, 50 (17), 5091-5098.
4. A Facile One-Pot Synthesis of Novel 2,2'-Bi-(4,5-dihydro-1,3,4-selenadiazole) Derivatives via Dihydrazonoyl Dihalides.
Ahmed M. Farag, Zaghoul E. Kandeel, Mohamed S. Algharib and **Kamal M. Dawood**
Phosphorus, Sulfur and Silicon, **1994**, 91, 129-136.
5. Synthesis and Reactivity of 2-(Benzothiazol-2-yl)-3-oxopropanenitrile.
Ahmed M. Farag, **Kamal M. Dawood** and Zaghoul E. Kandeel.
Tetrahedron, **1996**, 52 (23), 7893-7900.
6. A Convenient Route to Some New Pyrazole, Pyrazolo[3,4-d]pyridazine and 2,3-Dihydrothiadiazole Derivatives Incorporating Benzothiazole Moiety.
Ahmed M. Farag, **Kamal M. Dawood** and Zaghoul E. Kandeel.
J. Chem. Res. (S), **1996**, 416-417.
7. Facile and Convenient Route to Functionalized Thiazole and Selenazole Derivatives.
Ahmed M. Farag, **Kamal M. Dawood**, Zaghoul E. Kandeel and Mohamed S. Algharib.
J. Chem. Res. (S), **1996**, 530-531.
8. Synthesis and Reactivity of 2-(Benzothiazol-2-yl)-1-bromo-1,2-ethanedione-2-arylhydrazones.
Ahmed M. Farag and **Kamal M. Dawood**.
Heteroatom Chem., **1997**, 8 (1), 45-50.
9. One-Pot Synthesis of Imidazo[1,2-b]pyrazole, Imidazo[1,2-b]-1,2,4-triazole, Imidazo[1,2-a]pyridine, Imidazo[1,2-a]pyrimidine, Imidazo[1,2-a]benzimidazole and 1,2,4-Triazolo[3,4-a]-benzimidazole Derivatives.
Ahmed M. Farag and **Kamal M. Dawood**.
Heteroatom Chem., **1997**, 8 (2), 129-133.
10. Facile Synthesis of Novel Polysubstituted Thiophene and 1,3,4-Thiadiazole Derivatives.
Ahmed M. Farag, **Kamal M. Dawood** and Zaghoul E. Kandeel.
Tetrahedron, **1997**, 53 (1), 161-166.
11. Convenient Synthesis of Some New 1,3,4-Thiadiazole and 1,3,4-Selenadiazole Derivatives
Ahmed M. Farag, **Kamal M. Dawood** and Zaghoul E. Kandeel.
Phosphorus, Sulfur and Silicon, **1997**, 130, 43-51.

12. Synthesis and Reactivity of Benzothiazol-2-ylcarbonylhydroximoyl Chloride, a Versatile Synthon.
Ahmed M. Farag, **Kamal M. Dawood** and Abdou O. Abdelhamid.
Tetrahedron, **1997**, 53 (51), 17461-17468.
13. One-Pot Synthesis of Novel Polysubstituted Pyrazole and Pyrrolo[2,1-b]benzothiazole Derivatives.
Kamal M. Dawood. *J. Chem. Res.* **1998**, (S), 128-129.
14. Heterocyclic Synthesis via Enaminonitriles: A convenient Synthesis of Some New Pyrazole, Isoxazole, Pyrimidine, Pyrazolo[1,5-a]pyrimidine, Pyrimido[1,2-a]benzimidazole and Pyrido[1,2-a]benzimidazole Derivatives.
Kamal M. Dawood, Zaghoul E. Kandeel and Ahmed M. Farag.
J. Chem. Res. **1998**, (S), 208-209.
15. Heterocyclic Synthesis via Enaminonitriles: One-Pot Synthesis of Some New Pyrazole, Isoxazole, Pyrimidine, Pyrazolo[1,5-a]pyrimidine, Pyrimido[1,2-a]benzimidazole and Pyrido[1,2-a]benzimidazole Derivatives.
Kamal M. Dawood, Ahmed M. Farag and Zaghoul E. Kandeel
J. Chem. Res. **1999**, (S), 88-89, (M), 537-547.
16. Electrolytic Partial Fluorination of Organic Compounds, Part 29. Anodic Mono- and Difluorination of 2-Benzoxazolyl Sulfides.
Kamal M. Dawood, Seiishiro Higashiya, Yankun Hou and Toshio Fuchigami.
J. Fluorine Chem., **1999**, 93, 159-164.
17. Electrolytic Partial Fluorination of Organic Compounds, 31. Regioselective Anodic Fluorination of 2-Quinolyl and 4-(7-Trifluoromethyl)quinolyl Sulfides and The Factors Affecting Its Optimization.
Kamal M. Dawood and Toshio Fuchigami.
J. Org. Chem., **1999**, 64 (1), 138-143.
18. Highly Selective Direct and Indirect Anodic Monofluorination of Heterocyclic Compounds.
Toshio Fuchigami, Seiishiro Higashiya, Yankun Hou and **Kamal M. Dawood**.
Rev. Heteroatom Chem. **1999**, 19, 67-78.
19. Synthesis and Reactivity of Cyanomethyl 2-amino-4-methylthiazolyl Ketone. A Facile Synthesis of Novel Pyrazolo[5,1-c]-1,2,4-triazine, 1,2,4-Triazino[4,3-a]benzimidazole, Pyridazin-6-imine and 6-Oxopyridazine Derivatives.
Samia M. Sayed, Mohamed A. Raslan, Mohamed A. Khalil and **Kamal M. Dawood**.
Heteroatom Chem., **1999**, 10 (5), 385-390.
20. Heterocyclic Synthesis via Enaminones: Regioselective Synthesis of Some New Pyrazole, Isoxazole, Pyrimidine, Pyrido[1,2-a]benzimidazole and Pyrazolo[1,5-a]pyrimidine Derivatives.
Kamal M. Dawood, Zaghoul E. Kandeel and Ahmed M. Farag.
Heteroatom Chem., **1999**, 10 (5), 417-422.
21. Synthesis of 1,2,4-Triazole, 1,2,4-Triazolo[3,4-b]-1,3,4-thiadiazole, and 1,2,4-Triazolo[3,4-b]-1,3,4-thiadiazine Derivatives of 3-[5-(Benzothiazol-2-yl)thieno[2,3-d]pyrimidin-4-one] Acetic Acid Hydrazide.
Mohamed A. Khalil, Mohamed A. Raslan, **Kamal M. Dawood** and Samia M. Sayed.
Heterocyclic Commun., **1999**, 5 (5), 463-471.

22. Electrolytic Partial Fluorination of Organic Compounds. 35. Anodic Fluorination of 2-Pyrimidyl, 2-Pyridyl and 2-Quinazolinonyl Sulfides.
Kamal M. Dawood, Seiishiro Higashiya, Yankun Hou and Toshio Fuchigami.
J. Org. Chem., **1999**, 64 (21), 7935–7939.
23. Electrolytic Partial Fluorination of Organic Compounds, 36. Regioselective Anodic Fluorination of Phenylthiolated Benzofuranone and Benzothiazole Derivatives.
Seiishiro Higashiya, **Kamal M. Dawood** and Toshio Fuchigami.
J. Fluorine. Chem., **1999**, 99, 189-195.
24. Polyheterocyclic Ring Systems with Bridgehead Nitrogen Atoms. A Facile Route to Some Novel Azolo-1,2,4-triazine Derivatives.
Kamal M. Dawood, Ahmed M. Farag, Eman A. Ragab and Zaghoul E. Kandeel.
J. Chem. Res. **2000**, (5), (S), 206-207, (M), 622.
25. Reactions with Hydrazonoyl Halides XXX. Synthesis of Some 2,3-Dihydro-1,3,4-thiadiazoles and Unsymmetrical Azines Containing Benzothiazole Moiety.
A. O. Abdelhamid, N. M. Rateb and **Kamal M. Dawood**
Phosphorus, Sulfur and Silicon, **2000**, 167, 251-258.
26. An Efficient Route to trans-4,5-Dihydrothiophenes and Thiazoles via Nitrogen and Sulfur Ylides.
Kamal M. Dawood *Synth. Commun.* **2001**, 31 (11), 1647-1658.
27. Electrolytic Partial Fluorination of Organic Compounds, 45. Highly Regioselective Anodic Monofluorination of (*E*)-3-Benzylidene-2,3-dihydrochroman-4-ones.
Kamal M. Dawood and Toshio Fuchigami
Tetrahedron Lett., **2001**, 42, 2513-2515.
28. Electrolytic Partial Fluorination of Organic Compounds, 54. Anodic Mono- and Trifluorination of Thiochroman-4-one Derivatives and The Factors Affecting Product Selectivity
Kamal M. Dawood, H. Ishii and T. Fuchigami
J. Org. Chem. **2001**, 66 (21), 7030-7034.
29. Electrolytic Partial Fluorination of Organic Compounds, 50. Highly Regio- and Stereoselective Anodic Monofluorination of 2,3-Dihydrochroman-4-one And Chromone Derivatives
Kamal M. Dawood and T. Fuchigami
J. Org. Chem. **2001**, 66 (23), 7691–7695.
30. Simple and Convenient Routes to New Polyheterocycles Incorporating Pyrazole, Thiazole, Thiophene and 1,3,4-Thiadiazole Moieties.
Zaghoul E. Kandeel, **Kamal M. Dawood**, Eman A. Ragab, and Ahmad M. Farag
Heteroatom Chem. **2002**, 13 (3), 248-251.
31. Anodic Fluorination of 3-Substituted Benzofurans. Efficient Synthesis of 2-Fluoro- and 2,3-Difluoro-2,3-dihydrobenzofuran Derivatives.
Kamal M. Dawood and T. Fuchigami
Synlett, **2003**, (11), 1631-1634.
32. Synthesis of 3,3'-Bi-1,2,4-triazolo[4,5-a]benzimidazole, 5,5'-Bi-1,3,4-thiadiazole and Thiazolo-[3,2-a]benzimidazole Derivatives.
Kamal M. Dawood, Mohamed A. Raslan, and Ahmad M. Farag
Synth. Commun. **2003**, 33 (23), 4079-4086.

33. Polyheterocyclic Systems Incorporating Pyrazole Thiophene, Thiazole, and Thiadiazole Moieties
Kamal M. Dawood, Eman A. Ragab and Ahmad M. Farag
J. Chem. Res. **2003**, (S), 685-586 (M), 1151-1160.
34. Electrolytic Fluorination of Organic Compounds. Review Article
Kamal M. Dawood
Tetrahedron, (Report no.669), **2004**, 60, 1435-1451
35. A Facile Access to Polysubstituted Bipyrazoles and Pyrazolylpyrimidines
Kamal M. Dawood, Ahmad M. Farag and Eman A. Ragab
J. Chin. Chem. Soc. **2004**, 51 (4), 853-857.
36. Synthesis of 3,3'-Bipyrazole, 5,5'-Bi-1,3,4-thiadiazole and Fused Azole Systems via Bishydrazonoyl Chlorides.
Kamal M. Dawood and Nehal M. Elwan
J. Chem. Res. **2004**, (4), 264-266.
37. Electrochemical Partial Fluorination of Organic Compounds.74 Efficient Anodic Synthesis of 2-Fluoro- and 2,3-Difluoro-2,3-dihydrobenzofuran Derivatives
Kamal M. Dawood and Toshio Fuchigami
J. Org. Chem., **2004**, 69, 5302-5306.
38. Indolizines, Triazolo[4,3-a]pyridines, Benzimidazo[1,2-d]oxadiazoles and Pyrazolo[1,5-c]triazoles via Nitrogen and Sulfur Ylides
Kamal M. Dawood, *Heteroatom Chem*, **2004**, 15 (6), 432-436.
39. A Convenient Route to Pyridones, Pyrazolo[2,3-a]pyrimidines and Pyrazolo[5,1-c]triazines Incorporating Antipyrine Moiety.
Ahmad M. Farag, **Kamal M. Dawood** and Hanan A. Elmenoufy
Heteroatom Chem., **2004**, 15 (7), 508-514.
40. Synthesis of Some New Pyridazine, 1,2,4-Triazine, and 1,3,4-Thiadiazole Derivatives.
Kamal M. Dawood, Ahmed M. Farag and Hatem A. Abdel-Aziz
J. Chem. Res., **2004**, (12), 808-810.
41. Synthesis of spiro-pyrazole-3,3'-thiopyrano[2,3-b]pyridines and azolo[a]pyrido[2',3':5,6]-thiopyrano[3,4-d]pyrimidines as new ring systems with antifungal and antibacterial activities.
Kamal M. Dawood., *J. Heterocycl. Chem.*, **2005**, 42 (2), 221-225.
42. Regio- and Stereoselective Synthesis of Bis-spiropyrazoline-5,3'-chroman(thiochroman)-4-one Derivatives via Bis-nitrilimines.
Kamal M. Dawood, *Tetrahedron*, **2005**, 61, 5229-5233.
43. Azoles and Azolo-azines via 3-(3-Methylbenzofuran-2-yl)-3-oxopropanenitrile.
Kamal M. Dawood, Ahmed M. Farag and Hatem A. Abdel-Aziz
J. Chem. Res., **2005**, (6), 378-381.
44. Electrolytic Partial Fluorination of Organic Compounds. Part 79: Anodic Fluorination of Spiropyrazoline-5, 3'-chroman(thiochroman)-4-ones. A Route to Aroyl Fluoride Derivatives
Kamal M. Dawood and Toshio Fuchigami
J. Org. Chem. **2005**, 70, 7537-7541.
45. 2-Pyridinealldoxime, a new ligand for a Pd-precatalyst: Application in solid-phase-assisted Suzuki-Miyaura reaction.
Wladimir Solodenko, **Kamal M. Dawood**, Christoph Brochwitz, Rudolf Wartchow, Md. Abul Hashem, Michel Vaultier, Andreas Kirschning

- Mol. Diversity*, **2005**, *9*, 333-339.
46. Combining Enabling Techniques in Organic Synthesis: Solid-Phase-Assisted Catalysis under Microwave Conditions Using a Stable Pd (II)-Precatalyst.
Kamal M. Dawood, Andreas Kirschning
Tetrahedron, **2005**, *61*, 12121-12130.
47. Synthesis and Antimicrobial Evaluation of Some 1,2,4-Triazole, 1,3,4- Oxa(Thia)diazole and 1,2,4-Triazolo[3,4-b]-1,3,4-thiadiazine Derivatives
Kamal M. Dawood, Ahmad M. Farag and Hatem A. Abdel-Aziz
Heteroatom Chem., **2005**, *16*, 621-627.
48. Synthesis, Anticonvulsant and Anti-inflammatory Activities of Some New Benzofuran-based Heterocycles
Kamal M. Dawood, Hassan Abdel-Gawad, Mohey Ellithey, Hanan A. Mohamed and Bahira Hegazi
Arch. Pharm. Chem. Life Sci. **2006**, *339*, 133 – 140.
49. Synthesis, anticonvulsant and anti-inflammatory evaluation of some benzotriazole and benzofuran-based heterocycles
Kamal M. Dawood, Hassan Abdel-Gawad, Eman A. Rageb, Mohey Ellithey, Hanan A. Mohamed
Bioorg. Med. Chem. **2006**, *14*, 3672-3680.
50. A Convenient Access to Functionalized Pyrazole, Pyrazolyl-azole, and Pyrazolo[3,4-d]pyridazine Derivatives
Kamal M. Dawood, Ahmad M. Farag, Hatem A. Abdel-Aziz
J. Chin. Chem. Soc. **2006**, *53* (4), 873-880
51. Microwave-accelerated Mizoroki-Heck and Sonogashira Cross Coupling Reactions in water using a Heterogeneous Palladium(II)-Precatalyst.
Kamal M. Dawood, V. Solodenko and Andreas Kirschning,
Arkivoc, **2007** (v), 104-124.
52. Synthesis of Some New Benzofuran-based Thiophene, 1,3-Oxathiole and 1,3,4-Oxa(Thia)diazole Derivatives.
Kamal M. Dawood, Ahmad M. Farag and Hatem A. Abdel-Aziz
Heteroatom Chem., **2007**, *18*, 294-300.
53. Microwave-Assisted Suzuki-Miyaura and Heck-Mizoroki Cross Coupling Reactions of Aryl Chlorides and Bromides in Water Using Stable Benzothiazole-based Palladium(II)-precatalysts.
Kamal M. Dawood, *Tetrahedron*, **2007**, *63*, 9642-9651.
54. Regioselective Synthesis of Novel 4,4'- and 5,5'-Bi-(1,2,4-triazole) Derivatives
Ahmad M. Farag, **Kamal M. Dawood**, Nabila A. Khedr
J. Chem. Res., **2007**, (8), 472-474.
55. Fused Polyaza-heterocycles and 1,3,4-Thiadiazoles via A Tricyano Synthone
Kamal M. Dawood, Mohamed A. Raslan
J. Heterocycl. Chem., **2008**, *45* (1), 137-141.
56. A Convenient Access to Annulated Dihydroisoquinoline Heterocycles via Their Nitrogen Ylides
Tayseer A. Abdallah and **Kamal M. Dawood**
Tetrahedron, **2008**, *64* (18), 7890-7895.
57. Facile Route to Some Novel 2-Pyridone, Pyrazolo[3,4-d]-1,2,3-triazine, and Pyrazolo[3,4-d]- and [1,5-a]- pyrimidin-4-one Derivatives.

- Kamal M. Dawood**, Ahmad M. Farag and Nabila A. Khedr
Arkivoc, **2008**, (xv), 166-175.
58. Synthesis of some New Indolizine and Pyrrolo[1,2-a]quinoline Derivatives via Nitrogen Ylides.
Nabila A. Kheder, Elham S. Darwish and **Kamal M. Dawood**
Heterocycles, **2009**, 78 (1), 177-188.
59. Convenient Synthesis and antimicrobial evaluation of some novel 2-substituted-3-methylbenzofuran derivatives
Hatem A. Abdel-Aziz, Amal A. I. Mekawey and **Kamal M. Dawood**
Eur J. Med. Chem. **2009**, 44 (9), 3637–3644.
60. Synthesis of Some New Indolizine and Pyrrolo[1,2-a]quinoline Derivatives via Nitrogen Ylides
Kamal M. Dawood, Eman A. Ragab and Sanaa N. Mohamed
Z. Naturforschung, **2009**, 64B, (4), 434-438.
61. New Domino Reactions with Sultones
Ashraf M. M. Ewas, **Kamal M. Dawood**, K. Spinde, Y. Wang, A. Jäger, P. Metz
Synlett **2009**, (11), 1773-1776.
62. Synthesis of Bipyrazole and 1,3,4-Thiadiazole Derivatives
Kamal M. Dawood, Eman A. Ragab and Ahmad M. Farag
J. Chem. Res., **2009**, (10), 630-634.
63. Heck and Suzuki cross-couplings of aryl and heteroaryl bromides in water using a new palladium(II)-complex.
Kamal M. Dawood, Mohamed S. Fayed and Mohamed M. Elkhalea
Arkivoc **2009** (xiii), 324-341.
64. Facile access to benzothiazole-containing pyrrolo[1,2-a]quinolines and pyrrolo[2,1-a]isoquinolines via nitrogen ylides
Kamal M. Dawood, Eman A. Ragab and Nabila A. Kheder,
J. Chin. Chem. Soc. **2009**, 56 (6), 1180-1185.
65. Utility of 2,4-Dioxoesters in the Synthesis of New Heterocycles.
Kamal M. Dawood, Hassan Abdel-Gawad, Hanan A. Mohamed, and Bakr F. Abdel-Wahab
Heterocycles, **2010**, 81 (1), 1-55.
66. A Facile Access to Some New pyrazole, 1,3,4-Thiadiazole, and Thiophene Derivatives via β -Ketosulfones
Kamal M. Dawood, Eman A. Ragab, Nabila A. Kheder and Sanaa N. Mohamed
Phosphorus, Sulfur and Silicon, **2010**, 185 (2), 330–339.
67. Microwave-Assisted Synthesis of 2-Substituted 4-Biaryl-1,3-thiazoles by Carbon–Carbon Cross-Coupling in Water
Kamal M. Dawood and Moteaa M. El-Defdar
Synthesis, **2010**, (6) 1030-1038.
68. 1*H*-Benzimidazole-2-acetonitriles as Synthons in Fused Benzimidazole Synthesis
Kamal M. Dawood, Nehal M. Elwan, Abdelbasset A. Farahat, and Bakr F. Abdel-Wahab
J. Heterocycl. Chem. **2010**, 47 (2), 243-267.
69. Cytotoxicity and utility of 1-indanone in the synthesis of some new heterocycles
Bahira Hegazi, Hanan A. Mohamed, **Kamal M. Dawood**, and Farid A. Badria
Chem. Pharm. Bull., **2010**, 58 (4), 479-483.
70. Microwave-assisted synthesis and in-vitro anti-tumor activity of 1,3,4-triaryl-5-*N*-arylpyrazole-carboxamides

- Hatem A. Abdel-Aziz, Heba S. A. El-Zahabi and **Kamal M. Dawood**
Eur J. Med. Chem. **2010**, *45*, 2427-2432.
71. Use of 2-Bromoacetylbenzofurans in Heterocyclic Synthesis
Kamal M. Dawood, Hanan A. Mohamed and Bakr F. Abdel-Wahab
Chem. Heterocycl. Compds. **2010**, *46* (2), 131-139.
72. Synthesis, reactions and biological activity of 4,5-diarylimidazole-2-thiones
Kamal M. Dawood and Bakr F. Abdel-Wahab
Chem. Heterocycl. Compds. **2010**, *46* (3), 255-278.
73. Facile Synthesis of Thiophene- and 1,3,4-Thiadiazole-Based Heterocycles
Kamal M. Dawood, Eman A. Ragab and Ahmad M. Farag
Phosphorus, Sulfur and Silicon, **2010**, *185*, 1796-1802.
74. Microwave-assisted C-C cross-coupling reactions of aryl- and heteroaryl halides in water
Kamal M. Dawood and Moteaa M. El-Deftar
Arkivoc, **2010**, (ix), 319-330.
75. Facile Access to Biaryls and 2-Acetyl-5-Arylbenzofurans via Suzuki Coupling in Water under Thermal and Microwave Conditions
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