

## ***CURRICULUM VITAE (CV)***

**Full Name:** Kamal Mohammed Hamed Dawood  
**Date of Birth:** March 31, 1965  
**Place of Birth:** Kafr El-Shiekh, Egypt  
**Nationality:** Egyptian  
**Occupation:** Professor of Organic Chemistry, Faculty of Science, Cairo University  
**Address:** Chemistry Department, Faculty of Science, Cairo University, Giza 12613, Egypt  
**E-Mail:** [dr\\_dawood@yahoo.com](mailto:dr_dawood@yahoo.com) & [kmdawood@sci.cu.edu.eg](mailto:kmdawood@sci.cu.edu.eg)  
**Tel:** +201097755950 (mobile), +20235676602 (office)  
**Homepages:** <https://orcid.org/0000-0002-1351-9886>  
<https://scholar.cu.edu.eg/?q=kmdawood/>  
<https://www.scopus.com/authid/detail.uri?authorId=7004200770>  
<https://scholar.google.com/citations?user=cLNg3R4AAAAJ&hl=en>

### ***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.  
**5/2007-to date** Professor of Organic Chemistry at Faculty of Science, Cairo Univ.  
**9/2009-2/2011** Visiting Professor of Organic Chemistry, Faculty of Science, Sebha Univ., Libya  
**9/2013-7/2017** Professor of Organic Chemistry at Faculty of Science, Kuwait Univ., Kuwait.

### ***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
- 30/9-30/10/2019** **JSPS Bridge-fellowship** at Tokyo Metropolitan Univ., with Prof. Kotohiro Nomura.

**Awards:** Cairo University Incentive Award in Chemistry **2002**  
 Egypt-State Incentive Award in Chemistry **2007**  
 Cairo University Award for Academic Excellence **2012**  
 Cairo University Merit Award **2017**

**Supervision:**

- Supervised **18** (awarded) and supervising **two** MSc. Theses in Organic Synthesis and Biotechnology.
- Supervised **10** (awarded) and supervising **one** PhD. Theses in Organic Synthesis and Natural Products.

**Memberships:**

- 1- General Secretary of the Egyptian Universities Promotion's Committee (Organic Chemistry Sector), 2013-2015 and from Aug. 2019 - to date.
- 2- Expert in STDF (*Science & Technology Development Fund*), Ministry of Higher Education, since 2023
- 3- Expert in STEM Schools (science, technology, engineering, and math), Ministry of Education, since 2023
- 4- Member of the Basic Science Council, Egyptian Academy of Scientific Research and Technology, Cairo, since March 2018
- 5- Member of the Egyptian National Committee of Pure and applied Chemistry
- 6- Organizer of the Egyptian National Chemistry Olympiad 2002-2009
- 7- Member of the Organizing Committee the *Biannual Conference in Chemistry*, Cairo University 2006 and 2008
- 8- Member of the Alexander von Humboldt (AvH) Association, Cairo.
- 9- Member of the Japan Society for Promotion of Science (JSPS) Association, Cairo.
- 10- Member of the Selection Committee of the GERSS and GERLS scholarship programs, DAAD, Cairo, 2013.
- 11- A member of the Editorial Board of Alexandria Journal of Science and Technology (AJST)
- 12- Member of the Editorial Board of Referees of the Arkivoc Journal:  
<http://www.arkat-usa.org/arkivoc-journal/members-editorial-board-of-referees/>
- 13- Member of the International Advisory Committee for ACS Africa and Middle East Regional Meeting on Green and Sustainable Chemistry Scheduled for 5-8 May 2024

**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 are more than 160 published scientific papers and reviews in distinguished international chemistry journals, with overall citations more than 4000 and *h*-index 33. Total presentations in international conferences and workshops are 37. Reviewer of more than 250 scientific papers in various international journals, as well as a referee of more than 100 PhD and MSc Theses as well as professorship-promotions in Egyptian Universities. Reviewer of several national and international research projects. Reviewer of several projects for STDF (*Science and Technology Development Fund*).

### **Research Projects Funded by Cairo and Kuwait Universities:**

- 1- **Project Title:** Synthesis and Applications of Some Organometallic Compounds (PI, completed 2012, Cairo Univ)
- 2- **Project Title:** Regio- and stereoselective 1,3-dipolar cycloaddition towards Spiroheterocyclic Compounds. (Co-I, Project number: SC 03/14, Kuwait Univ)
- 3- **Project Title :** Synthesis and Charaterization of Multi-Dentate Ligand-Metal Complexes and Their Catalytic Activity in Suzuki Coupling Reactions. (CO-I, Project number: SC 013/15, Kuwait Univ)
- 4- **Project Title:** Solid-Phase Assisted Palladium(II) Catalyzed Suzuki and Sonogashira Cross-Coupling Reactions Towards Liquid Crystalline Heteroaromatic-Based Oligomers. (Co-I, Project number: SC 01/15, Kuwait Univ)
- 5- **Project Title:** Ultrasound-assisted regio- and stereoselective 1,3-dipolar cycloaddition of bis-nitrilimines towards spiro- and fused-heterocycles. (Project number: SC 06/15, Kuwait Univ)
- 6- **Project Title:** Simple efficient route to aryl hydrazonals and their utility as precursors to condensed pyridoazoles, and azoloazines, via (4+1) and (4+2) cycloaddition reactions (External, Co-I, Project number: SC 07/13, Kuwait Univ)
- 7- **Project Title:** Q-Tube pressure reactor-assisted synthesis of new heterocyclic systems incorporating benzosuberone, tetralone and chromone scaffolds as potential anti-cancer agents. (External, Co-I, Project nuber: PR18-14SC-03, Kuwait Univ)

### **Websites of K M Dawood (for further details)**

<https://scholar.cu.edu.eg/?q=kmdawood/>

<https://www.scopus.com/authid/detail.uri?authorId=7004200770>

<https://scholar.google.com/citations?user=cLNg3R4AAAJ&hl=en>

**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-Pyridinealdoxime, 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. Kheder  
*J. Chem. Res.*, **2007**, (8), 472-474.
55. Fused Polyaza-heterocycles and 1,3,4-Thiadiazoles via A Tricyano Synthon  
**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. Kheder



- Arkivoc*, **2008**, (xv), 166-175.
58. Synthesis of some New Indolizine and Pyrrolo[1,2-a]quinoline Derivatives via Nitrogen Ylides.  
N. A. Kheder, E. S. Darwish, **Kamal M. Dawood**.  
*Heterocycles*, **2009**, 78, 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.  
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### **Books and Book chapters:**

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DOI: 10.1002/9783527671304.ch2
- 139- Chemistry of Bipyrazoles: Synthesis and Applications, 2022, Bentham Science Publishers Pte. Ltd. Singapore.  
Authors: Kamal M. Dawood and Ashraf A. Abbas  
DOI: 10.2174/97898150517591220101  
ISBN (Online): 978-981-5051-75-9  
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### **Conferences and Workshops**

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Heterocyclic Synthesis via Enaminones: Regioselective Synthesis of Some Novel Pyrazole, Isoxazole and Pyrimidine Derivatives, *Third International Scientific Conference, Al-Azhar Univ*, Cairo, Egypt, March 22-25, 1999.
2. Kamal M. Dawood and Toshio Fuchigami  
Electrochemical Partial Fluorination of Organic Compounds. Highly Regioselective Anodic Monofluorination of 4-Chromanone Derivatives *2000 ISOR-Tokyo*, Tokyo, Oct 26-28, 2000.
3. Kamal M. Dawood and Toshio Fuchigami  
Regioselective Anodic Fluorination of Chroman-4-one and Thiochroman-4-one Derivatives *15<sup>th</sup> Winter Fluorine Conference*, USA, Florida, Jan. 14-19, 2001.
4. Kamal M. Dawood and Toshio Fuchigami  
Electrochemical Partial Fluorination of Organic Compounds. Anodic Fluorination of Benzofuran Derivatives *ISIS-2001*, Kyoto, June 20, 2001.
5. T. Fuchigami, K.M.Dawood, Mohamed R. Shaaban, M. Hasegawa, and H. Ishii,  
Regioselective Anodic Fluorination of Oxygen-Containing Heterocycles: 79th Symposium on Organic Synthesis, Japan (June 6-8,2001,Tokyo).
6. Kamal M. Dawood and Toshio Fuchigami  
Anodic Synthesis of 2-Fluoro and 2,3-Difluorobenzofuran Derivatives, *18<sup>th</sup> International Congress of Heterocyclic Chemistr*, *18<sup>th</sup> ICHC*, Yokohama, Japan, July 29-August 3, 2001.
7. Kamal M. Dawood,  
Anodic Fluorination of Spiropyrazoline-5,3'-chroman-4-ones Derivatives, *Biannual Conference on Chemistry, Chem02*, Cairo, Egypt, March 4-7, 2002
8. Kamal M. Dawood  
Mentor of the Egyptian Students Team in the 35<sup>th</sup> International Chemistry Olympiad, Athens,

July 5-14, 2003.

9. Kamal M. Dawood,  
Plenary Lecture on: Electrochemical Fluorination of Heterocyclic Compounds, *Biannual Conference on Chemistry, Chem03*, Cairo, Egypt, March 1-4, 2004
10. Kamal M. Dawood  
First German-Hungarian Workshop: *Chemical Diversity of Natural Products – Synthesis, Characterization and Application*, Hannover, Germany, July 5-6, 2004.
11. Kamal M. Dawood and Andreas Kirschning  
Applications of a Novel Pd(II)-Precatalyst for Solid-Phase-Assisted Suzuki-Miyaura, Heck and Sonogashira Reactions in Water, Cottbus, Germany, Nov 16-18, 2004.
12. Kamal M. Dawood and Andreas Kirschning  
Applications of a Novel Pd(II)-Precatalyst for Solid-Phase-Assisted C-C Cross Coupling of Heterocyclic Bromides Under Microwave Irradiation in Water, *20<sup>th</sup> International Congress of Heterocyclic Chemistry, 20ICHC*, Palermo, Italy, July 31-August 5, 2005.
13. Kamal M. Dawood and Andreas Kirschning  
Novel Benzothiazole-Oxime-Based Pd(II)-precatalysts: Efficient for Suzuki-Miyaura and Heck Cross Coupling Reactions, *International SFB-Symposium*, Aachen, Germany. Oct 10-11, 2005.
14. Eman A. Ragab, Kamal M. Dawood, Hassan Abdel-Gawad, Hanan A. Mohamed, Mohey Ellithey and Bahira Hegazi  
Synthesis, Anticonvulsant and Anti-inflammatory Activities of Some New Benzofuran-based Heterocycles, *Biannual Conference on Chemistry, Chem04*, Cairo, Egypt, March 2-4, 2006
15. Kamal M. Dawood, Andreas Kirschning  
Microwave-Assisted Heck and Suzuki-Miyaura Cross Coupling Reactions in Water Using a Stable Benzothiazole-based Palladium(II)-Precatalyst, *Biannual Conference on Chemistry, Chem04*, Cairo, Egypt, March 2-4, 2006.
16. Kamal M. Dawood  
Microwave-Assisted C-C Cross-Coupling Reactions in Water Using Heterogeneous Palladium(II)-precatalysts, *National Conference in Chemistry*, Makkah, Saudi Arabia, April 15-17, 2007
17. Kamal M. Dawood  
Heterogeneous palladium(II) Catalysts in Organic Synthesis, *The Third Conference of the Egyptian Humboldtians" "Development of Chemical Research Through German-Egyptian Cooperation"* Ismailia, Egypt, October 23-26, 2007.
18. Kamal M. Dawood, Andreas Kirschning  
Microwave-accelerated C-C cross-coupling reactions in water using heterogeneous palladium(II)-precatalysts. *10<sup>th</sup> Ibn Sina Conference of Heterocyclic Chemistry*, Luxor Egypt, Feb. 17-20, 2007.
19. Kamal M. Dawood and Peter Metz  
Cyclohexanones, as Building Block for Natural Products, via Desulfurization of Sultones, *Biannual Conference on Chemistry, Chem05*, Cairo, Egypt, March, 3-6, 2008.
20. Kamal M. Dawood, Mansour A. Alsenoussi, Ibrahim H. Ibrahim  
Synthesis of Some New 1,3-Thiazole and 1,3,4-Thiadiazole Derivatives Incorporating Pyridine Moiety, *4<sup>th</sup> International Conference of Chemical Industries Research Division*, National Research Center, Dokki, Cairo, Nov. 30-Dec. 2, 2010.
21. Kamal M. Dawood, Ahmad M. Farag and Manahil B. Al-Amin

Microwave-Assisted Suzuki Cross-coupling reactions of Isoquinoline-Based Heterocyclic Bromides in water, *The 1<sup>st</sup> International Conference on Science Diplomacy and Developments in Chemistry*, Alexandria, Egypt, November 24–26, 2012.

22. Kamal M. Dawood

Attending a module entitled “**Interview Training**” by Dr. Claudia Groß, On 24.3.2013, from 9 am to 4 pm, At the premises of the DAAD Office, DAAD Kairo Akademie Team, Zamalek, Cairo.

23. Kamal M. Dawood

Catalytic Activity of Some Pd(II)-Complexes in Suzuki Coupling of Aryl and Heteroaryl Bromides in Water; A Comparative Study, *The Second International Conference on “Research to Applications & Markets» RAM 2013*, Sousse, Tunisia, June 28-30, 2013.

24. Kamal M. Dawood

Attendance, *the Third Kuwait Conference of Chemistry “KCC 2014) on “Petroleum Industry & Environment»”*, Regency Hotel, Kuwait, March 9-11, 2014.

25. Kamal M. Dawood

The 30<sup>th</sup> Anniversary of JSPS Research Station, Cairo, “Egypt-Japan Research Collaboration”. January 16, 2016, Conference Center, Cairo University, Egypt.

26. Kamal M. Dawood

Member of the Organizing Committee of JSPS-AvH Alumni Joint Conference under Theme of "Science and Science Management for Sustainable Development" National Research Centre (NRC), Cairo, October 24-26, 2017.

27. Kamal M. Dawood

Synthesis of 3,3'-Bipyrazole Esters and Their Palladium Complexes. The 2<sup>nd</sup> International Conference on Applied Chemistry (ICAC-2), Hurghada, Egypt, November 25-28, 2017.

28. Kamal M. Dawood

Attendance, Humboldt Kolleg “Applied Research in Energy, Environment and Development” Ismailia, Egypt, 20<sup>th</sup>–22<sup>nd</sup> March, 2018.

29. Kamal M. Dawood

Attendance, Egypt-Japan Multidisciplinary Science forum, “Innovations and New Challenges” Conference center, Al-azhar University, Cairo, 24th, March 2018.

30. Kamal M. Dawood

Attendance, The Plant Microbiome Symposium, “Exploration of Plant-Microbe Interactions for Improving Agricultural Productivity” Hurghada, 18-22 November 2018.

31. Kamal M. Dawood

Attendance, Humboldt Kolleg “African-German Strategies: A Partnership for Better Health, Education and Development”, German-University in Cairo, 12-14 April 2019.

32. Kamal M. Dawood,

Invited speaker (Keynote Lecture): entitled “Microwave-Assisted Metal Catalyzed Organic Synthesis”, *Tokyo Institute of Technology, Department of Electronic Chemistry*, (Shinsuke Inagi Lab.), Nagatsuta, Japan, 10.10.2019

33. Kamal M. Dawood,

Invited speaker (Department Lecture): entitled “Solid-Supported Metal Catalyzed Organic Synthesis in Water under Microwave Condition”, *Kanagawa University, Department of Material Chemistry*, (Prof. F. Matsumoto Lab), Hakuraku, Japan, 16.10.2019

34. Kamal M. Dawood,

Invited speaker (Keynote Lecture): entitled “Solid-Supported Metal Catalyzed Organic Synthesis in Water under Microwave Condition”, *Tokyo Metropolitan Univ., Department of Chemistry*, (K. Nomura Lab. group), Minami-Osawa, Japan, 18.10.2019

35. Kamal M. Dawood,

Invited speaker (Keynote Lecture): entitled “Solid-Supported Metal Catalyzed Organic Synthesis in Water under Microwave Condition”, *Biannual Conference on Chemistry, Chem08*, Cairo, Egypt, March 2-4, 2020.

36. Kamal M. Dawood,

Solid-Supported Recyclable Pd(II)-Catalyst: Synthesis, Characterization and Application in Organic Synthesis,  
*4<sup>th</sup> International Conference of Egyptian Committee for Pure and Applied Chemistry (ICPAC23)*, Chemistry Research and Global Challenges, Marsa Alam Conf. 4-7,10.2023.

37. Kamal M. Dawood,

Invited speaker (Keynote Lecture): entitled “Solid-Supported Palladium Catalyzed Organic Synthesis in Water under Microwave Condition”, *1<sup>st</sup> International Conference on Science*, Helwan Univ, Helwan, Egypt, Oct 17-18, 2023.