

Personal Data



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Permanent Address

Department of Chemistry, Faculty of Science, [Mansoura University](http://www.mans.edu.eg), Mansoura 35516, Egypt.
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Name	Mohamed Ahmed Ismail Abouelenan
Affiliation	Professor of Organic Chemistry
Date of Birth	30 August 1968
Marital Status	Married
Interested Research Area	• Organic Chemistry: Synthetic medicinals. • Small ring heterocyclic compounds. • Spectroscopic means, IR, UV, ... and NMR of Organic molecules. • Pd, Sn, Si, boronics..... in Organic Synthesis.
Post-Doctoral Fellowships	• ICSC-World Laboratory Scholarship Switzerland (2001-2002, at GSU, USA). • Bill and Melinda Gates Foundation Projects, Postdoctoral Associate, Georgia State University, Chemistry Department with Prof. Dr. David W. Boykin, USA (different trips for three years and plus, over the period 2002-2007).

**PROFESSIONAL
& TEACHING
EXPERIENCE**

Demonstrator (TA), 1990-1995 explaining the experimental courses Organic Chemistry (Identification, Investigation, Estimation, preparation of organic compounds) including general chemistry, volumetric analysis (neutralization, redox, and precipitation titrations).

Lecturer (TA), 1995-1997 explaining the experimental courses mainly in the field Organic chemistry (Preparation of Organic Compounds, purification, chromatographic techniques) including general chemistry, volumetric analysis.

Visiting Scholar (GSU-USA), 1997-1999

Research Scholar, conducting experimental work, using computer programs, spectroscopy for elucidation of organic compounds i.e UV, IR, MS, NMR and chromatographic techniques.

Assistant Professor, Organic, 2000-2005 (Mansoura University).

Associate Professor, Organic, 2005- To-date (Mansoura University & KFU).

University Teaching (Organic Courses):

1. Principles of Organic Chemistry
2. Heterocyclic Chemistry.
3. Physical Organic Chemistry
4. Aromatic Organic Chemistry
5. Organic Spectroscopy
6. Organometallic Chemistry

Academic Appointments:

Name & Address of Employer	Position or Rank	From	To
King Faisal University, College of Science, Chemistry Dept. KSA	Associate Professor	2008	To-date
Georgia State University, Chemistry - Department, Atlanta, GA. USA.	Postdoctoral Associate USA	4 Years and plus	Different trips
Mansoura University, Faculty of Science, Chemistry Department, EG.	Professor	2010	To-date
Mansoura University, Faculty of Science, Chemistry Department, EG.	Associate Professor	2005	2008
Mansoura University, Faculty of Science, Chemistry Department, EG.	Assistant Professor	2000	2005
Georgia State University, Chemistry Department, Atlanta, GA. USA.	CHANNEL Student (Visiting Scholar, GSU USA)	1997	1999
Mansoura University, Faculty of Science, Chemistry Department, EG.	Lecturer	1995	2000
Mansoura University, Faculty of Science, Chemistry Department, EG.	Instructor of Organic Chemistry	1990	1995

Scientific Qualifications:

- 1999** Ph.D. in Organic Chemistry, Joint Supervision, Mansoura University, Egypt and Georgia State University, Atlanta, GA., USA.
- 1995** M.Sc. in Organic Chemistry. Mansoura University, Egypt.
- 1993** A University Lecturer Training Courses, Faculty of Education, Mansoura University, Egypt.
- 1990** B.Sc. in Science, Major Chemistry. Mansoura University, Egypt.

Publications: (41 International articles + 1 Local article + 9 Patents):

A) Papers:

1. **M. A. Ismail** and D. W. Boykin "Synthesis of Novel Bithiophene Substituted Heterocycles Bearing Carbonitrile Groups" *Synthetic Commun.* **41**, 1-12 (2011).
2. **M. A. Ismail**, S. A. El Bialy, R. Brun, T. Wenzler, R. Nanjunda, W. David Wilson, and D. W. Boykin, "Dicationic phenyl-2,2'-bichalcophenes and analogues as antiprotozoal agents" *Bioorganic & Medicinal Chemistry*, in press (2011)
3. M. Munde, A. Kumar, R. Nhili, S. Depauw, Marie-Hélène, David-Cordonnier, **M. A. Ismail**, Chad E. Stephens, Abdelbasset A. Farahat, Adalgisa Batista-Parra, David W. Boykin and W. David Wilson "DNA minor groove Induced Dimerization of Heterocyclic Cations: Compound Structure, Binding Affinity and Specificity for a TTAA site" *Journal of Molecular Biology*, **402**, 847-864 (2010).
4. K. Gillingwater, A. Kumar, **M. A. Ismail**, R. K. Arafa, C. E. Stephens, D. W. Boykin, R. R. Tidwell, R. Brun " In vitro activity and preliminary toxicity of various diamidine compounds against Trypanosoma evansi" *Veterinary Parasitology*, **169**, 264-272 (2010).
5. T. A. Salama, A. –A. S. El-Ahl, S. S. Elmorsy, A. M. Khalil, and **M. A. Ismail** "A new convenient procedure for the thionation of carbonyl compounds utilizing tetrachlorosilane-sodium sulfide" *Tetrahedron Letters*, **50**, 5933-5936 (2009).
6. T. Wenzler, D. W. Boykin, **M. A. Ismail**, J. E. Hall, R. R. Tidwell, R. Brun "New treatment option for second-stage African sleeping sickness: in vitro and in vivo efficacy of aza analogs of DB289" *Antimicrobial Agents and Chemotherapy*, **53** (10), 4185-4192 (2009).
7. D. G. Batista, M. G. Pacheco, A. Kumar, D. Branowska, **M. A. Ismail**, L. Hu, D. W. Boykin, M. N. Soeiro "Biological, ultrastructural effect and subcellular localization of aromatic diamidines in Trypanosoma cruzi" *Parasitology*, **21**, 1-9 (2009).
8. L. Hu, R. K. Arafa, **M. A. Ismail**, A. Patel, M. Munde, D. W. Wilson, T. Wenzler, R. Brun, and D. W. Boykin "Synthesis and Activity of Azaterphenyl diamidines against Trypanosoma brucei rhodesiense and Plasmodium falciparum" *Bioorganic & Medicinal Chemistry*, **17**, 6651-6658 (2009).
9. **M. A. Ismail**, R. K. Arafa, T. Wenzler, R. Brun, F. A. Tanious, D. W. Wilson, and D. W. Boykin "Synthesis and antiprotozoal activity of novel bis-benzamidino imidazo[1,2-a]pyridines and 5,6,7,8-tetrahydro imidazo[1,2-a]pyridines" *Bioorganic & Medicinal Chemistry*, **16**, 683-691 (2008).
10. R. K. Arafa, **M. A. Ismail**, M. J. Munde, W. David Wilson, T. Wenzler, R. Brun and D. W. Boykin "Novel linear triaryl guanidines, N-substituted guanidines and potential prodrugs as antiprotozoal agents" *European Journal of Medicinal Chemistry*, **43**, 2901-2908 (2008).
11. L. Hu, R. K. Arafa, **M. A. Ismail**, T. Wenzler, R. Brun, M. Munde, D. W. Wilson, S. Nzimiro, S. Samyesudhas, K. A. Werbovetz, and D. W. Boykin "Azaterphenyl diamidines as antileishmanial agents" *Bioorganic & Medicinal Chemistry letters*, **18**, 247-251 (2008).
12. M. Munde, **M. A. Ismail**, R. Arafa, P. Peixoto, C. J. Collar, Y. Liu, L. Hu, M. David-

- Cordonnier, A. Lansiaux, C. Bailly, D. W. Boykin, and D. W. Wilson "Design of DNA minor groove binding diamidines that recognize GC base pair sequences" *Journal of the American Chemical Society*, 129, 13732-13743 (2007).
13. T. A. Salama, S. S. Elmorsy, A. M. Khalil, and **M. A. Ismail** "A $\text{SiCl}_4\text{-ZnCl}_2$ induced general, mild and efficient one-pot, three-component synthesis of β -amido ketone libraries" *Tetrahedron Letters*, 48, 6199-6203 (2007).
14. A. M. Mathis, A. S. Bridges, **M. A. Ismail**, A. Kumar, I. Francesconi, M. Anbazhagan, Q. Hu, F. A. Tanious, T. Wenzler, J. Saulter, D. W. Wilson, R. Brun, D. W. Boykin, R. R. Tidwell, and J. E. Hall "Diphenyl furans and aza analogs: Effects of structural modification on in vitro activity, DNA binding, accumulation and distribution in trypanosomes" *Antimicrobial Agents and Chemotherapy*, 51, 2801-2810 (2007).
15. W. S. Hamama, **M. A. Ismail**, H. A. Al-Saman, and H. H. Zoorob, "Convenient selective synthesis of substituted pyrido[2,3-d]pyrimidones and annulated derivatives" *Zeitschrift fuer Naturforschung, B: Chemical Sciences*, 62, 104-110 (2007).
16. E. W. White, F. A. Tanious, **M. A. Ismail**, A. P. Reszka, S. Neidle, D. W. Boykin and W. D. Wilson, "Structure Specific Recognition of Quadruplex DNA by Organic Cations: Influence of Shape, Substituents and Charge" *Biophysical Chemistry*, 126, 140-153 (2007).
17. **M. A. Ismail**, "An Efficient Synthesis of 5'-(4-Cyanophenyl)-2,2'-Bifuran-5-Carbonitrile And Analogues" *Journal of Chemical Research*, 733-737 (2006).
18. **M. A. Ismail**, and D. W. Boykin, "Synthesis of Deuterium and ^{15}N -Labelled 2,5-Bis[5-amidino-2-pyridyl]furan and 2,5-Bis[5-(methoxyamidino)-2-pyridyl]furan" *Journal of Labelled Compounds and Radiopharmaceuticals*, 49: 985-996 (2006).
19. **M. A. Ismail**, R. K. Arafa, R. Brun, T. Wenzler, Y. Miao, W. D. Wilson, C. Generaux, A. Bridges, J. E. Hall and D. W. Boykin, "Synthesis, DNA Affinity, and Antiprotozoal Activity of Linear Dications: Terphenyl Diamidines and Analogues" *Journal of Medicinal Chemistry*, 49, 5324-5332 (2006).
20. A. M. Mathis, J. L. Holman, L. M. Sturk, **M. A. Ismail**, D. W. Boykin, R. R. Tidwell and J. E. Hall, "Accumulation and Intracellular Distribution of Antitrypanosomal Diamidine Compounds DB75 and DB820 in African Trypanosomes" *Antimicrobial Agents and Chemotherapy*, 50, 2185-2191 (2006).
21. **M. A. Ismail**, D. W. Boykin, and C. E. Stephens, "An efficient Synthesis of 5,5'-diaryl-2,2'-bichalcophenes" *Tetrahedron Letters*, 47, 795-797 (2006).
22. Y. Miao, P. H. Michael, G. N. Parkinson, A. Batista-Parra, **M. A. Ismail**, S. Neidle, D. W. Boykin and W. D. Wilson, "Out-of-Shape DNA Minor Groove Binders: Induced Fit Interactions of Heterocyclic Dications with the DNA Minor Groove" *Biochemistry*, 44 (45), 14701-14708 (2005).
23. **M. A. Ismail**, A. Batista-Parra, Y. Miao, W. D. Wilson, T. Wenzler, R. Brun, and D. W. Boykin, "Dicationic Near-Linear biphenyl benzimidazole derivatives as DNA-Targeted Antiprotozoal agents" *Bioorganic & Medicinal Chemistry*, 13, 6718-6726 (2005).
24. J. H. Ansede, R. D. Voyksner, **M. A. Ismail**, D. W. Boykin, R. R. Tidwell and J. E. Hall, "In Vitro Metabolism of an Orally Active O-Methyl Amidoxime Prodrug for the treatment of CNS Trypanosomiasis", *Xenobiotica*, 35 (3):211-226 (2005).
25. **M. A. Ismail**, R. Brun, T. Wenzler, F. A. Tanious, W. D. Wilson and D. W. Boykin, "Dicationic biphenyl benzimidazole derivatives as Antiprotozoal agents" *Bioorganic & Medicinal Chemistry*, 12, 5405-5413 (2004).
26. **M. A. Ismail**, R. Brun, T. Wenzler, F. A. Tanious, W. D. Wilson and D. W. Boykin, "Novel Dicationic Imidazo[1,2-a]pyridines and 5,6,7,8-Tetrahydro-imidazo[1,2-a]pyridines as Antiprotozoal agents" *Journal of Medicinal Chemistry*, 47, 3658-3664 (2004).
27. **M. A. Ismail** and D. W. Boykin, "Synthesis of Deuterium-Labelled 6-[5-(4-

- amidinophenyl)furan-2-yl]nicotinamidine and N-Alkoxy-6-{5-[4-(N-alkoxyamidino)phenyl]-furan-2-yl}-nicotinamidines” *Journal of Labelled Compounds and Radiopharmaceuticals*, 47: 233-242 (2004).
28. **M. A. Ismail**, M. Anbazhagan, C. E. Stephens and D. W. Boykin, “Synthesis of Benzyloxybromobenzonitriles” *Synthetic Commun.* 34 (5) 751-758 (2004).
29. **M. A. Ismail**, R. Brun, J. D. Easterbrook, F. A. Tanious, W. D. Wilson and D. W. Boykin, “Synthesis and Anti-Protozoal Activity of Aza-Analogues of Furamidine” *Journal of Medicinal Chemistry*, 46, 4761-4769 (2003).
30. **M. A. Ismail**, “Efficient Synthesis of 5-(5-Aryl-2-Furyl)Pyrimidine Derivatives” *Mans. Sci. Bull. (A Chem)* 30 (2), 157-171 (2003).
31. A. –A. S. El-Ahl, **M. A. Ismail** and F. A. Amer, “Synthesis and Transformations of 2-Substituted Tetrahydro-4H-benzo[4,5]thieno[2,3-d][1,3]oxazines and 2,3-Disubstituted Hexahydrobenzo-[4,5]thieno[2,3-d]pyrimidines”, *Phosphorus, Sulfur and Silicon*, 178 (2), 245-259 (2003).
32. **M. A. Ismail**, H. H. Zoorob, and L. Strekowski, “Synthesis and Regioselective Transformations of ethoxy-substituted 5-(Perfluoroalkyl)pyrimidines”, *ARKIVOC* (x), 1-8 (2002).
33. S. A. A. El Bialy, **M. A. Ismail**, L. M. Gad and A. M. M. Abdelal, “Efficient formal total syntheses of (-)-cephalotaxine using reductive intramolecular Heck reaction and optical resolution”, *Medicinal Chemistry Research*, 5 (11), 293-300 (2002).
34. H. H. Zoorob, **M. A. Ismail**, and L. Strekowski, “Synthesis of 5-(Functionalized Acyl-1,3-Dialkyl-Substituted Barbituric and 2-Thiobarbituric Acids”, *J. Heterocyclic Chem.*, 38, 359-363 (2001).
35. A. –A. S. El-Ahl, S. A. A. El Bialy and **M. A. Ismail**, “A facile One-Pot Synthesis of Pyrido[2,3-d]- and Quinolono[2,3-d]pyrimidines”, *Heterocycles*, 55 (7), 1315-1321 (2001).
36. L. Strekowski, **M. A. Ismail** and H. H. Zoorob, “Sodium Borohydride Mediated Benzylation of 1,3-Dimethylbarbituric Acid”, *Heterocyclic Comm.*, 5 (6), 525-528 (1999).
37. L. Strekowski, **M. A. Ismail**, and H. H. Zoorob, “A general Method for Acylation of 1,3-Dialkyl-Substituted Barbituric and 2-Thiobarbituric Acids”, *Heterocyclic Comm.*, 5 (1), 9-10 (1999).
38. L. Strekowski, **M. A. Ismail**, and H. H. Zoorob, “Novel Synthetic Transformations of 5-(ω -Chloroalkanoyl)-1,3-Dimethylbarbituric Acids”, *Heterocyclic Comm.*, 5 (2), 107-110 (1999).
39. L. Strekowski, **M. A. Ismail**, and H. H. Zoorob, “Efficient Synthesis of 5-Perfluoroalkyl and 5-Perfluoroacyl-Substituted Uracils”, *Heterocyclic Comm.*, 4 (5), 399-401 (1998).
40. H. H. Zoorob, M. Abou-Elzahab, M. Abdel-Mogib, **M. A. Ismail**, and M. Abdel-Hamid, “1,3-Dimethylpyrimidoheterocycles as Antibacterial Agents”, *Drug Research/Arzneimittel-Forschung*, 47 (II), 8, 958-962 (1997).
41. H. H. Zoorob, M. Abou-Elzahab, M. Abdel-Mogib and **M. A. Ismail**, “Peculiar Reaction Behaviour of Barbituric Acid Derivatives Towards Aromatic Amines”, *Tetrahedron*, 52 (30), 10147-10158 (1996).

B) Review Article:

42. Wafaa S. Hamama, **Mohamed A. Ismail**, Saad Shaaban and Hanafi H. Zoorob "Progress in the Chemistry of 4- Thiazolidinones", *J. Heterocyclic Chem.*, 45,1 (2008)[USA].

C) Patents:

43. R. R. Tidwell, D. W. Boykin, C. E. Stephens, **M. A. Ismail**, W.D. Wilson, R. Brun, K.

- Werbovetz, "Bichalcophenes and their prodrugs as antiprotozoal agents" U. S. Patent No. 7,517,893; April 14, **2009**.
44. Brun, Reto; Werbovetz, Karl; Tidwell, Richard R.; Boykin, David W.; Stephens, Chad E.; **Ismail, Mohamed A.**; Kumar, Arvind; Wilson, W. David, "Preparation of 2,5-diarylselenophene compounds and their thiophene analogs as antiprotozoal agents", PCT Int. Appl. (**2009**), 78 pp., Application: WO 2008-US11870. CAN 150:447712.
45. D. W. Boykin, R. R. Tidwell, W. D. Wilson, **M. A. Ismail**, "Dicationic imidazo-[1,2-a]pyridines and 5,6,7,8-tetrahydro-imidazo[1,2-a]pyridines as Anti-protozoal Agents", U. S. Patent No. 7,432,278; October 7, **2008**.
46. D. W. Boykin, R. R. Tidwell, **M. A. Ismail** and R. Brun "Dicationic 2,5-Diarylfuran Aza-Analogs as Anti-protozoan Agents" U. S. Patent No. 7,256,203 B2; Aug. 14, **2007**.
47. R. R. Tidwell, D. W. Boykin, D. W. Wilson, R. Brun, K. Werbovetz, **M. A. Ismail**, R. K. Arafa, L. Hu "Preparation of linear dicationic terphenyls and their aza analogues as antimicrobial agents" US Patent Appl. Publ. (**2007**), 72 pp., Application: US 2007-698257. CAN 147:427083.
48. R. R. Tidwell, D. W. Boykin, **M. A. Ismail**, W. D. Wilson, E. W. White, A. Kumar, R. Nanjunda "Preparation of dicationic compounds which selectively recognize G-quadruplex DNA" Eur. Patent Appl. (**2007**), 110 pp. Application: EP 2006-118366. CAN 147:72631.
49. R. R. Tidwell, R. Brun, K. Werbovetz, **M. A. Ismail**, R. K. Arafa, W. D. Wilson, D. W. Boykin "Preparation of linear dicationic terphenyls and their aza analogues as antiparasitic agents" Can. Patent Appl. Publ. (**2006**), 130 pp., Application: CA 2006-2547744. CAN 146:62465.
50. K. Werbovetz, R. Brun, R. R. Tidwell, D. W. Boykin, C. E. Stephens, **M. A. Ismail**, D. W. Wilson "Preparation of 5,5'-bis-(4-amidinophenyl)-2,2'-bifurans and related compounds as antiprotozoals" Eur. Patent Appl. (**2006**), 55 pp., Application: EP 2006-114189. CAN 146:27716.
51. D. W. Boykin, R. R. Tidwell, W. D. Wilson, R. Brun and **M. A. Ismail** "Preparation of triarylcarboxamidines as antiprotozoals" US Patent PCT Int. Appl. (**2005**), 118 pp., Application: WO 2005040132. CAN 142:447214.

PRESENTATIONS & CONFERENCES

1. **T. A. Salama**, S. S. Elmorsy, **M. A. Ismail** "Tetrachlorosilane in Organic Synthesis- New Convenient Synthetic Methodologies" *Taibah International Conference of Chemistry (ICCT) 2009*, March, 23-25th, Al-Madinah Al-Monawarah, Saudi Arabia.
2. **T. A. Salama**, S. S. Elmorsy, **M. A. Ismail** "Tetrachlorosilane- A Versatile Reagent in Organic Synthesis" **2008**, 12 th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-12), A002, 1-30 November; <http://www.usc.es/congresos/ecsoc/12&www.mdpi.org/ecsoc/12/>.
3. **T. A. Salama**, S. S. Elmorsy, A. M. Khalil, **M. A. Ismail**, A. S. El-Ahl "Silicon Assisted Sulfuration: Tetrachlorosilane-Sodium Sulfide- A new Potent Thionating Reagent For Carbonyl Compounds" **2007**, 11 th International Electronic Conference on Synthetic Organic Chemistry (ECSOC-11), A020, 1-30 November; <http://www.usc.es/congresos/ecsoc/12&http://www.mdpi.org/ecsoc-11/>.
4. **M. A. Ismail**, Oral Presentation: "Synthesis of Isotopically labelled DB844 & DB868; metabolites of DB844 & DB868 and Scale-up" Consortium for Parasitic Drug Development; Chapel Hill, NC, USA. October 9-12, **2007**.
5. Annual Meeting for the Consortium for Parasitic Drug Development; Atlanta, GA, USA. June

- 3-5, 2007.
6. M. Munde, **M. A. Ismail**, R. K. Arafa; P. Peixoto, Y. Lui, L. Hu, M. David-Cordonnier, A. Lansiaux; C. Baily, D. W. Boykin, W. D. Wilson, "GC base pair recognition by minor groove binding diamidines: an important role for nitrogen heterocycles", 58th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, United States, November 1-4, 2006.
 7. Y. Miao, A. Batista-Parra, **M. A. Ismail**, M. Lee, S. Neidle, D. W. Boykin, W. D. Wilson, "Compound shape and solvent effects on interactions of antiparasitic diamidines with DNA", 58th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, United States, November 1-4, 2006.
 8. **M. A. Ismail**, E. M. Paliakov, D. W. Boykin, C. E. Stephens, K. A. Werbovetz, and R. Brun, "An efficient Synthesis and antiprotozoal evaluation of 2,2'-bichalcophene analogues of furamidine", 231st American Chemical Society National Meeting, Atlanta, GA, March 26-30, 2006.
 9. **M. A. Ismail**, R. K. Arafa, R. Brun, T. Wenzler, Y. Miao, W. D. Wilson, and D. W. Boykin "Synthesis, DNA Affinity, and Antiprotozoal Activity of Linear Dications: Terphenyl Diamidines", 231st American Chemical Society National Meeting, Atlanta, GA, March 26-30, 2006.
 10. **M. A. Ismail**, R. K. Arafa, A. Illendula, R. Brun, T. Wenzler, and D. W. Boykin "Synthesis and antiprotozoal activity of 1-(4-amidinophenyl)-4-(4-amidinobenzyl) benzenes", 231th American Chemical Society National Meeting, Atlanta, GA, March 26-30, 2006.
 11. E. W. White, R. K. Nanjunda, A. Kumar, **M. A. Ismail**, D. W. Boykin, and W. D. Wilson, "Selective binding of a heterocyclic diamidine compound with human telomeric G-quadruplex DNA", 231st American Chemical Society National Meeting, Atlanta, GA, March 26-30, 2006.
 12. R. K. Nanjunda, E. W. White, **M. A. Ismail**, M. W. Germann, D. W. Boykin, and W. D. Wilson, "Characterization of G-quadruplex complexes of heterocyclic diamidines using biophysical methods", 231st American Chemical Society National Meeting, Atlanta, GA, March 26-30, 2006.
 13. W. D. Wilson; Y. Miao, B. Nguyen, F. Tanious, **M. A. Ismail**, A. Batista-Parra, D. W. Boykin, M. Lee, S. Neidle, "Out of Shape Compounds: Unusual Interactions in the DNA Minor Groove", 57th Southeast/61st Southwest Joint Regional Meeting of the American Chemical Society, Memphis, TN, United States, November 1-4, 2005.
 14. **M. A. Ismail**, and D. W. Boykin, "Synthesis of Deuterium-Labelled 6-[5-(4-amidinophenyl)furan-2-yl]nicotinamide and N-Alkoxy-6-{5-[4-(N-alkoxyamido)phenyl]-furan-2-yl}-nicotinamides" 8th International Conference on Chemistry and Its Role in Development, Mansoura, April 11-14, 2005. Mansoura & Sharm El-Sheikh, Egypt; The Organizer: Chemistry Dept., Faculty of Science, Mansoura University, Egypt.
 15. **M. A. Ismail**, Oral Presentation: "Synthesis of azafuramidines: DB844 & metabolites of DB844" UNC-CH Consortium, Drug Development Group; Atlanta, GA. Oct 7-8, 2004.
 16. **M. A. Ismail**, R. Brun, F. A. Tanious, W. D. Wilson and D. W. Boykin, "Synthesis and Anti-Trypanosomal Activity of Aza-Analogues of Furamidine", 225th American Chemical Society National Meeting, New Orleans, LA, March 23-27, 2003.
 17. L. Strekowski, **M. A. Ismail**, and H. H. Zoorob, "Novel Synthetic Transformations of 1,3-Dialkyl-5-(ω-Chloroalkanoyl)-Substituted Barbituric and 2-Thiobarbituric Acids", 17th international Congress of Heterocyclic Chemistry, Institute of Organic Chemistry, Vienna University of Technology, August 1-6, (1999).
 18. **M. A. Ismail**, H. H. Zoorb and L. Strekowski, "Synthesis of New Azole Derivatives with Expected Anti-fungal and Anti-tuberculosis Activity", Sixth Annual Suddath Symposium,

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Frontiers in Drug Design and Development, Georgia Institute of Technology, April 3-4, (1998).

19. 53rd Southeast Regional Meeting Savannah, Georgia, September 23-26, 2001.

SCIENTIFIC SOCIETIES:

- ✚ Membership of Egyptian Chemical Society
- ✚ Membership of Arab Society of Material Science

PROJECTS

- (1) **Project No. 10080 Deanship of Scientific Research, King Faisal University, Ministry of Higher Education, Kingdom of Saudi Arabia (2009). (Co-Investigator)**
Title: Structural, Spectroscopic and antimicrobial studies on Aza-Systems Containing Chalcophene complexes.
- (2) **Project No. 110010 Deanship of Scientific Research, King Faisal University, Ministry of Higher Education, Kingdom of Saudi Arabia (2010). (Principle Investigator)**
Title: Synthesis, molecular modeling of dicationic quinolinouracils and their antimicrobial activity.
- (3) **Project No. 110049 Deanship of Scientific Research, King Faisal University, Ministry of Higher Education, Kingdom of Saudi Arabia (2010). (Co-Investigator)**
Title: Synthesis and biochemical studies of 2,2'-bifuran and analogues.

How to Contact

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