



Hazem Ahmed Ghabbour



Scopus Author ID:	54966825400
Scopus <i>h</i> index:	6 (Dec. 2015)
Scopus publications	106 (Dec. 2015)
ORCID ID:	http://orcid.org/0000-0002-1011-0276
Researcher ID:	B-9334-2012

PERSONAL DATA

Date of Birth	: 1980
Nationality	: Egyptian
Marital Status	: Married, three children
Language	: (Bilingual) Arabic/English
e-mail	: ghabbourh@yahoo.com
Webpages	: 1- http://scholar.google.com/citations?user=DGg6-BsAAAAJ 2- https://www.researchgate.net/profile/Hazem_Ghabbour/activities/?ev=prf_act_p1

ADDRESS

Home	Department of medicinal chemistry, College of pharmacy, Mansoura University, P.O. Box 35516, Mansoura, Egypt, +2050 223 1620 (Home), +2050 224 6253 (Office), +20100 22 70809 (Mobile). E-mail address: hghabbour@mans.edu.eg
Current	Department of Pharmaceutical chemistry, College of pharmacy, King Saud University, P.O. Box 2457, Riyadh 11461, Kingdom of Saudi Arabia, +966569352985 (Mobile). E-mail address: haghabbour@ksu.edu.sa

QUALIFICATIONS

- 1. Ph.D.** Pharmaceutical chemistry department, college of pharmacy, King Saud University. *Dissertation:* Synthesis and Biological Evaluation of Some New thiazole derivatives as CNS Active Agents. **2015**
- 2. M.Sc.** Medicinal Chemistry department, college of **2008**

pharmacy, University of Mansoura, Mansoura, Egypt.

Dissertation: "Synthesis and biological activity of new oxime ether derivatives as β -adrenergic blockers".

- 3. B.Sc. (Pharmaceutical Sciences)** Faculty of Pharmacy, **2002**
University of Mansoura, Mansoura, Egypt. Very Good,
High Honor (6th).

TEACHING EXPERIENCE

- 1-Teaching the pharmaceutical Chemistry courses in Almaarefa Pharmacy College (part-time) **2013-2015**
- 2-Teaching the Medicinal Chemistry summer course to KSU undergraduate Pharmacy students. **2010-2014**
- 3- Teaching the Molecular modeling course to Mansoura postgraduate pharmacy students. **2008-2009**
- 4- Teaching the practical courses of medicinal chemistry to Mansoura pharmacy undergraduate students. **2003-2009**
- 5- Teaching the summer course of Biochemistry to MIU pharmacy students **2008**

POSITIONS HELD

- 2- Assistant professor and X-Ray lab manager in department of pharmaceutical Chemistry, college of Pharmacy, King Saud University, KSA. **2015 till now**
- 2- Assistant lecturer in department of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Egypt. Help in teaching postgraduate courses. **2008-2009**
- 2- Demonstrator in department of Medicinal Chemistry, Faculty of Pharmacy, Mansoura University, Egypt. Participate in teaching and supervision on practical labs for undergraduate student. **2003-2008**

RESEARCH EXPERIENCE AND INTERESTS

Medicinal Chemistry	I am experienced in designing and developing synthetic routes to different small organic molecules and heterocyclic compounds, also I have good experience in microwave assisted reactions. Experience in the use of modern chromatographic and spectroscopic techniques (ability to operate and interpret spectra from NMR, IR, HPLC, UPLC and MS instrumentation) Mass fragmentations using Ion trap, MALDI and DART instruments.
X-ray Crystallography	I have good experience in in collecting data for small molecules using SMART APEX II and D8 venture instruments and solving structure even with disorder or twins. I attended three weeks training in Friedrich-Alexander Universität Erlangen-Nürnberg Germany in 2010 and also in 2014 and I am seeking to improve myself in macromolecules (protein) crystallography by taking another training course in Germany ASAP. I am member of the World Directory of Crystallographers of the IUCr (http://www.iucr.org/) by solving and make deposition to more than 450 new crystal structures.
Molecular Biology	I am experienced in standard techniques including: DNA extraction, primer selection, PCR, biology gel electrophoresis and DNA sequencing.
Computing	I have a good level of computer literacy. I am competent in molecular modeling programs Molegro, MOE and hyperchem as well as basic chemistry programs ChemOffice and MarvinSketch and many crystallographic programs including APEX2, SMART, SAINT, SADABS, XPREP, SHELXTL, XP, PLATON and pubcif. Also, I have good experience in GAUSSIAN program in DFT and other theories.
Communication	I have excellent communication skills, and I enjoy public speaking. I represented many scientific presentations to my peers as well as end-users and the general public. I have a high level of written communication skills including the ability to write clear, concise reports and proofreading of scientific articles. I have worked on team projects at University.

PUBLICATIONS

1. **Hazem A. Ghabbour***, Adnan A. Kadi, Kamal E. H. ElTahir, Rihab F. Angawi, Hussein I. El-Subbagh. (2015) Synthesis, Biological Evaluation and Molecular Docking Studies of Thiazole-based Pyrrolidinones and Isoindolinediones as Anticonvulsant Agents. *Medicinal Chemistry Research*. 24: 3194-3211
2. **Hazem A Ghabbour***, Eman R El-Bendary, Mahmoud B El-Ashmawy, Mohamed M El-Kerdawy. (2014) Synthesis, Docking Study and β -Adrenoceptor Activity of Some New Oxime Ether Derivatives. *Molecules* 19 (3), 3417-3435.
3. **Hazem A. Ghabbour***, Maha Qabeel, Wagdy Eldehna, Abdullah Al-Dhfyhan and Hatem A. Abdel-Aziz. (2014) Design, synthesis and molecular docking of 1-(1-(4-chlorophenyl)-2-(phenylsulfonyl)ethylidene)-2-phenylhydrazine as potent non-azole anti-Candidal agent. *Journal of Chemistry*, 154357, 1-8.
4. Hatem A Abdel-Aziz · **Hazem A Ghabbour** · Wagdy M Eldehna · Sara T A Al-Rashood · Khalid A Al-Rashood · Hoong-Kun Fun · Mays Al-Tahhan · Abdullah Al-Dhfyhan (2015) 2-((Benzimidazol-2-yl)thio)-1-arylethan-1-ones: Synthesis, crystal study and cancer stem cells CD133 targeting potential. *European Journal of Medicinal Chemistry*. 104:1-10.
5. Assem Barakat **Hazem A. Ghabbour**, Abdullah Mohammed Al-Majid, Saied M. Soliman, M. Ali, Yahia Nasser Mabkhot, Mohammed Rafi Shaik and Hoong-Kun Fun (2015) Synthesis, Spectroscopic Investigations (X-ray, NMR and TD-DFT), Antimicrobial Activity and Molecular Docking of 2,6-Bis(hydroxy(phenyl)methyl)cyclohexanone. *Molecules* 20, 13240-13263
6. Mahmoud F. Elsebai · **Hazem A. Ghabbour** · (2015) Isocoumarin Derivatives from the Marine-Derived Fungus *Phoma* sp. 135. *Tetrahedron Letters* 12/2015
7. Assem Barakat, Mohammad Shahidul Islam, Abdullah M. Al-Majid, Saied M. Soliman, Yahia N. Mabkhot, Zeid Abdullah Al-Othman, **Hazem A. Ghabbour**, Hoong-Kun Fun (2015) Synthesis of novel 5-monoalkylbarbiturate derivatives: new access to 1,2-oxazepines.

Tetrahedron Letters 56, 6984–6987

8. Abdulrahman I. Almansour · Natarajan Arumugam · Raju Suresh Kumar · J. Carlos Menéndez · **Hazem A. Ghabbour** · Hoong-Kun Fun · Raju Ranjith Kumar (2015) Straightforward synthesis of pyrrolo[3,4-b]quinolines through intramolecular Povarov reactions. ***Tetrahedron Letters*** Volume 56, Issue 49, 6900-6903
9. Assem Barakat, Hany J. Al-Najjar, Abdullah Mohammed Al-Majid, Saied M. Soliman, Yahia Nasser Mabkhot, Mohammed Rafi Shaik, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2015) Synthesis, NMR, FT-IR, X-ray structural characterization, DFT analysis and isomerism aspects of 5-(2,6-dichlorobenzylidene)pyrimidine-2,4,6(1*H*,3*H*,5*H*)-trione. ***Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy***. 147, 107-116
10. Assem Barakat, Hany J. Al-Najjar, Abdullah Mohammed Al-Majid, Islam, M., Ali, Saied M. Soliman, Mohammed Rafi Shaik, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2015) Molecular structure investigation and tautomerism aspects of (E)-3-benzylideneindolin-2-one. ***Journal of Chemical Sciences***:1-10.
11. Assem Barakat, Mohammad Shahidul Islam, Abdullah Mohammed Al-Majid, **Hazem A. Ghabbour**, Hoong-Kun Fun, Kulsoom Javed, Rehan Imad, Sammer Yousuf, M. Iqbal Choudhary, Abdul Wadood (2015) Synthesis, In vitro Biological Activities and In Silico Study of Dihydropyrimidines Derivatives. ***Bioorganic & Medicinal Chemistry*** 23, 20, 6740–6748.
12. Assem Barakat, Abdullah Mohammed Al-Majid, Saied M Soliman, Yahia Nasser Mabkhot, M Ali, **Hazem A Ghabbour**, Hoong-Kun Fun and Abdul Wadood (2015) Structural and spectral investigations of the recently synthesized chalcone (E)-3-mesityl-1-(naphthalen-2-yl) prop-2-en-1-one, a potential chemotherapeutic agent. ***Chemistry Central Journal*** 9:35.
13. Assem Barakata, Saied M. Soliman, Abdullah Mohammed Al-Majid, Gehad Lotfy, **Hazem A. Ghabbour**, Hoong-Kun Fun, Sammer Yousuf, M. Iqbal Choudhary, Abdul Wadood (2015) Synthesis and structure

- investigation of novel pyrimidine-2,4,6-trione derivatives of highly potential biological activity as anti-diabetic agent. *Journal of Molecular Structure*. 1098, 365–376.
14. Ayman El-Faham, Muhammad Farooq, Sherine N. Khattab, Nael Abutaha, Mohammad A. Wadaan, **Hazem A. Ghabbour** and Hoong-Kun Fun (2015) Synthesis, Characterization, and Anti-Cancer Activity of Some New N'-(2-Oxoindolin-3-ylidene)-2-propylpentane hydrazide-hydrazones Derivatives. *Molecules*, 20(8), 14638-14655
 15. Natarajan Arumugam, Abdulrahman I. Almansour, Raju Suresh Kumar, J. Carlos Menéndez, Mujeeb A. Sultan, Usama Karama, **Hazem A. Ghabbour** and Hoong-Kun Fun (2015) An Expedient Regio- and Diastereoselective Synthesis of Hybrid Frameworks with Embedded Spiro[9,10]dihydroanthracene [9,3']-pyrrolidine and Spiro[oxindole-3,2'-pyrrolidine] Motifs via an Ionic Liquid-Mediated Multicomponent Reaction *Molecules*, 20(9), 16142-16153
 16. Mohammad Shahidul Islam · Assem Barakat · Abdullah Mohammed Al-Majid · Saied M. Soliman · **Hazem A. Ghabbour** · Hoong-Kun Fun (2015) Crystal Structure of 7,11-bis(2,4-dichlorophenyl)-2,4-dimethyl-2,4-diazaspiro[5.5]undecane -1,3,5,9-tetraone and its computational studies. *Journal of Chemical Sciences* 09; DOI:10.1007/s12039-015-0923-x
 17. Abdulrahman I. Almansour, Natarajan Arumugam, Raju Suresh Kumar 1, Govindasami Periyasami, **Hazem A. Ghabbour** and Hoong-Kun Fun (2015) A Novel One-Pot Green Synthesis of Dispirooxindolo-pyrrolidines via 1,3-Dipolar Cycloaddition Reactions of Azomethine Ylides. *Molecules*, 20(1), 780-791.
 18. Assem Barakat, Hany J. Al-Najjar, Abdullah Mohammed Al-Majid Saied M. Soliman, Yahia Nasser Mabkhot, **Hazem A. Ghabbour**, Hoong-Kun Fun (2015) Synthesis and molecular characterization of 5,50 -((2,4-dichlorophenyl)methylene)bis(1,3-dimethylpyrimidine- 2,4,6(1H,3H,5H)-trione). *Journal of Molecular Structure*, 1084, 207–215.
 19. Rashad Al-Salahi, Ibrahim Alswaidan, **Hazem A. Ghabbour**, Essam

- Ezzeldin, ahmoud Elaasser and Mohamed Marzouk. (2015) Docking and Antiherpetic Activity of 2-Aminobenzo[de]-isoquinoline-1,3-diones. **Molecules**, 20, 5099-5111
20. Mohammad Shahidul Islam, Assem Barakat, Abdullah Mohammed Al-Majid, **Hazem A. Ghabbour**, Hoong-Kun Fun (2015) Stereoselective Synthesis of Diazapiro[5.5]undecane Derivatives via Base Promoted [5+1] Double Michael Addition of N,N-Dimethylbarbituric Acid to diaryliedene acetones. **Arabian Journal of Chemistry**, xxxx
21. M. A. Bhat, **H. A. Ghabbour**, C. S. Chidan Kumar, H.-K. Fun (2015) New and Efficient Synthesis of N-(4-Substituted phenyl)-5-(pyridin-4-yl)-1,3,4-oxadiazol-2-amines. **Asian Journal of Chemistry**; 26(24):8483-8487.
22. Yahia Nasser Mabkhot, Salah S. Aladdi, S. S. Al-Showiman, A. M. A. Al-Majid, Assem Barakat, **Hazem A. Ghabbour**, and Mohamed R. Shaaban (2015) Synthesis and Characterization of Novel Thieno-Fused Bicyclic Compounds through New Enaminone Containing Thieno[2,3-b]pyridine Scaffold. **Journal of Chemistry**. Volume 2015, ID 382381, 8 pages
23. Mohamed I. Attia, **Hazem A. Ghabbour**, Maha S. Almutairi, SorayaW. Ghoneim, Hatem A. Abdel-Aziz, and Hoong-Kun Fun. (2013) Synthesis and X-Ray Crystal Structure of (1E)-1-(4-Chlorophenyl)-N-hydroxy-3-(1H-imidazol-1-yl)propan-1-imine. **Journal of Chemistry**, 418601.v2, 1-5.
24. Natarajan Arumugam, Abdulrahman I. Almansour, Raju Suresh Kumar, Subbu, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2013) A 1,3-dipolar cycloaddition–annulation protocol for the expedient region-stereo- and product-selective construction of novel hybrid heterocycles comprising seven rings and seven contiguous stereocentres. **Tetrahedron Letters** 54, 2515–2519.
25. Hatem A. Abdel-Aziz, Pervez Ahmad, Adnan Kadi, Khalid A. Al-

- Rashood, **Hazem A. Ghabbour** , Hoong-Kun Fun. (2013) Unexpected ring-opening of 3-aryloxybenzo[b]furans at room temperature: a new route for the construction of phenol-substituted pyrazoles. *Tetrahedron Letters* 54, 3424–3426.
26. Mohamed I. Attia, **Hazem A. Ghabbour**, Aida El-Azzouny, Maha Almutairi, Hoong-Kun Fun, and Omar Al-Deeb. (2013) Synthesis and single crystal X-ray structure of new (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-N-phenylhydrazinecarboxamide. *Journal of Chemistry*, 2013, 515309.v2, 1-4.
27. Yahia Nasser Mabkhot, Nahed Ahmed Kaal, Seham Alterary, Salem S. Al-Showiman, Assem Barakat, **Hazem A Ghabbour**, Wolfgang Frey. (2015) Synthesis, In-vitro antibacterial, antifungal, and Molecular Modeling of Potent Anti-Microbial Agents from a Combined Pyrazole and Thiophene Pharmacophore. *Molecules* 20, 8712-8729.
28. Mohammad Shahidul Islam, Abdullah Mohammed Al-Majid, Assem Barakat, Saied M. Soliman, **Hazem A. Ghabbour**, Ching Kheng Quah and Hoong-Kun Fun (2015) Synthesis, Molecular Structure and Spectroscopic Investigations of Novel Fluorinated Spiro Heterocycles. *Molecules*, 20(5), 8223-8241.
29. Mohamed I. Attia, Mohamed N. Aboul-Enein , Aida A. El-Azzouny , Yous reya A. Maklad , and **Hazem A. Ghabbour**. (2014) Anticonvulsant potential of certain new (2E)-2-[1-aryl-3-(1H-imidazol-1-yl)-propylidene]-N-(aryl/H)hydrazinecarboxamides. *The Scientific World Journal*. 2014, 1-9.
30. Ayman El-Faham, Wael N. Hozzein, Mohammad A. M. Wadaan, Sherine N. Khattab, **Hazem A. Ghabbour**, Hoong-Kun Fun, and Mohammed Rafiq Siddiqui (2015) Microwave Synthesis, Characterization, and Antimicrobial Activity of Some Novel Isatin Derivatives. *Journal of Chemistry*. Volume 2015, Article ID 716987, 8 pages
31. Assem Barakat · Abdullah Mohammed Al-Majid · Saied M Soliman · Gehad Lotfy · **Hazem A. Ghabbour** · Hoong-Kun Fun · Abdul Wadood · Joseph C Sloop · Ismail Warad · (2015) New Diethyl Ammonium Salt of

- Thiobarbituric Acid Derivative: Synthesis, Molecular Structure Investigations and Docking Studies. *Molecules* 20(11):20642–20658.
32. Mohamed I Attia · **Hazem A Ghabbour** · Maha S Almutairi · Soraya W Ghoneim · Hoong-Kun Fun (2015) Single-Crystal X-ray Structure of Anti-Candida Agent, (E)-3- (1H-Imidazol-1-yl)-1-Phenylpropan-1-one O-3- Chlorobenzoyl Oxime. *Tropical Journal of Pharmaceutical Research* 14(10):1865.
33. Maha S Almutairi · **Hazem A Ghabbour** · Soraya W Ghoneim · Hoong-Kun Fun · Mohamed I Attia (2015) X-ray Molecular Structure of ({[(1E)-3-(1H-Imidazol-1-yl)-1- phenylpropylidene]amino} oxy)(3,4,5-trimethoxyphenyl)- methanone: A Potential Anti-Candida Agent. *Tropical Journal of Pharmaceutical Research* 12/2015; 14(11):2041
34. Abdulrahman Alsultan, Aamer Aleem, **Hazem Ghabbour**, Farjah H. AlGahtani, Ali Al-Shehri, Mohamed Elfaki Osman, Kadajah Kurban, Mohammed S. Alsultan, Hasan Bahakim, and AbdelKareem M. Al-Momen. (2012) Sick Cell Disease Subphenotypes in Patients From Southwestern Province of Saudi Arabia. *J Pediatr Hematol Oncol.* 34 (2),79-84.
35. Abdulrahman Alsultan, Duyen A. Ngo, John J. Farrell, Idowu Akinsheye, Nadia Solovieff, **Hazem A. Ghabbour**, Amein Al-Ali, Ahmed Alsuliman, Muneer Al-Baghshi, Mohammed Alabdulaali, Clinton T. Baldwin, Lindsay A. Farrer, Hong Luo, Efthymia Melista, Surinder Safaya, Maxwell Nwaru, , and Martin H. Steinberg. (2012) A Functional Promoter Polymorphism of the δ -Globin Gene is a Specific Marker of the Arab-Indian Haplotype. *American Journal of Hematology* 824-826.
36. Abdulrahman Alsultan, Mohammed K. Alabdulaali, Paula J. Griffin, Ahmed M. AlSuliman, **Hazem A. Ghabbour**, Paola Sebastiani, Waleed H. Albuali, Amein K. Al-Ali, David H. K. Chui, Martin H. Steinberg. (2014) Sick Cell Disease in Saudi Arabia: The Phenotype in Adults with the Arab-Indian Haplotype is not benign. *British Journal of Haematology.* 164, 597–604
37. Tilal Elsaman, Mohamed Fares, Hatem A. Abdel-Aziz, Mohamed Attia,

- Hazem Ghabbour** and Kamal M. Dawood. A Facile synthesis of pyrimido[1,2-b]pyrido[3,2-d]pyrazoles and 1,2,4-triazino[4,3-b]pyrido[3,2-d]pyrazoles incorporating thiophene moiety *The Scientific World Journal* (2013)
38. Abdullah M. Al-Majid , Assem Barakat, Hany J. AL-Najjar, Yahia N. Mabkhot, **Hazem A. Ghabbour** and Hoong-Kun Fun. (2013) Tandem Aldol-Michael Reactions in Aqueous Diethylamine Medium: A Greener and Efficient Approach to Bis-Pyrimidine Derivatives. *International Journal of Molecular Sciences*. 14, 23762-23773.
39. Assem Barakat, Abdullah M. Al-Majid, Hany J. AL-Najjar, Yahia N. Mabkhot, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2014) An efficient and green procedure for synthesis of rhodanine derivatives by aldol-thia-Michael protocol using aqueous diethylamine medium. *RSC Adv.*, 4, 4909–4916.
40. Hatem A. Abdel-Aziz, **Hazem A. Ghabbour**, Wagdy M. Eldehna, Maha M. Qabeel, and Hoong-Kun Fun. (2014) Synthesis, Crystal Structure, and Biological Activity of cis/trans Amide Rotomers of (Z)-N'-(2-Oxoindolin-3-ylidene)formohydrazide. *Journal of Chemistry*, 2014, 760434.v3, 1-7.
41. Assem Barakat, Abdullah M. Al-Majid, Hany J. AL-Najjar, Yahia N. Mabkhot, Manuel Weber, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2014) A Greener and Efficient Approach to Michael Addition of Barbituric Acid to Nitroalkene in Aqueous Diethylamine Medium. *Molecules*, 19 (1), 1150-1162.
42. Abdulrahman I. Almansour, Natarajan Arumugam, Raju Suresh Kumar, R. Padmanaban, V.B. Rajamanikandan, **Hazem A. Ghabbour**, Hoong-Kun Fun. (2014) An expedient pseudo four-component synthesis of dispiroindandione fused indeno-N-methylmorpholine, spectroscopic, X-ray diffraction and DFT studies. *Journal of Molecular Structure* 14 (12), 23762-23773.
43. Assem Barakat, Abdullah Mohammed Al-Majid, Abdulaziz Moshabab Al-Ghamdi, Yahia Nasser Mabkhot, Mohammed Rafiq Siddiqui, **Hazem A Ghabbour**, Hoong-Kun Fun. (2014) Tandem Aldol-Michael reactions

- in aqueous diethylamine medium: a greener and efficient approach to dimedone-barbituric acid derivatives. *Chemistry Central Journal* 8 (1), 9
44. Samir Bondock, Tamer Nasr, Wafaa Zaghary, Suchada Chantrapromma, **Hazem Ghabbour** and Hoong-Kun Fun. (2014) Novel Diastereoselective Synthesis and X-ray Crystallographic Studies of (*E*)-2-cyano-*N*-(4-ethoxyphenyl)-3-methylthio-3-(substituted-amino)acrylamides. *Mol. Cryst. Liq. Cryst.*, 597, 1–14.
45. Mohamed I Attia, **Hazem A Ghabbour**, Azza S Zakaria, Hoong-Kun Fun (2014) In vitro anti-Candida activity and single crystal X-ray structure of ((1*E*)-[3-(1*H*-imidazol-1-yl)-1-phenylpropylidene] amino} oxy)(4-nitrophenyl) methanone. *Bangladesh Journal of Pharmacology*. 9 (1), 43-48
46. Ayman El-Faham , Sherine N. Khattab, **Hazem A. Ghabbour**, Hoong-Kun Fun, Rafiq H. Siddiqui. (2014) Microwave irradiation: Synthesis and characterization of alpha-ketoamide and bis (alpha-ketoamide) derivatives via the ring opening of *N*-acetylisatin. *Chemistry Central Journal*. 8:27 (1-10)
47. Tarek Aboul-Fadl, Tilal Elsaman, Omar A. A. Aldeeb, **Hazem Ghabbour** C. S. Chidan Kumar and Fun Hoong Kun. (2014) Some new NSAIDs prodrugs: An efficient synthesis, spectral characterization and X-ray crystal structure studies. *Asian Journal of Chemistry*. 26(16), 5249-5254.
48. Mohamed I. Attia, Nasser R. El-Brollosy, Amany L. Kansoh, Hazem A. Ghabbour, Reem I. Al-Wabli, and Hoong-Kun Fun (2014) Synthesis, single crystal X-ray structure and antimicrobial activity of 6-(1,3-benzodioxol-5-ylmethyl)-5-ethyl -2-{[2-(morpholin-4-yl)ethyl]sulfanyl}pyrimidin-4(3*H*)-one. *Journal of Chemistry*, 2014, 457430.v2, 1-17.
49. M. A. Bhat, H. A. Ghabbour , C. S. C. Kumar, H. K. Fun (2014) New and efficient synthesis of *N*-(4-substituted phenyl)-5-(pyridin-4-yl)-1,3,4-oxadiazol-2-amines. *Asian Journal of Chemistry*. 26, 8483-8487.
50. Y. N. Mambkhot, N. N. E. El-Sayed, F. Alatibi, A. Barakat, **H.A. Ghabbour** and H-K. Fun (2014) Synthesis, characterization, and x-ray

- crystal structure of 3-methyl-4-oxo-7-phenyl-4,7-dihydrothieno[2,3-b]pyridine -2-carboxylic acid ethyl ester *Asian Journal of Chemistry*. 26(24), 8596-8598.
51. Hatem A. Abdel-Aziz, Hazem A. Ghabbour, Mashooq A. Bhat, and Hoong-Kun Fun. (2014) Microwave-Assisted Synthesis and Characterization of Certain Oximes, Hydrazones, and Olefins Derived from β -Keto Sulfones. *Journal of Chemistry*, 2014, 532467.v2, 1-6.
52. Assem Barakat, Hany J Al-Najjar, Abdullah Mohammed Al-Majid, Saied M Soliman, Yahia Nasser Mabkhot, Mohamed HM Al-Agamy, **Hazem A Ghabbour**, Hoong-Kun Fun (2014) Synthesis, Molecular Structure Investigations and Antimicrobial Activity of 2-Thioxothiazolidin-4-one Derivatives. *Journal of Molecular Structure*. 1081, 519–529.
53. Assem Barakat, Hany J Al-Najjar, Abdullah M Al-Majid, Syed F Adil, Mohamed Ali, Vijay H Masand, **Hazem A Ghabbour**, Hoong-Kun Fun. (2014) Synthesis, X-ray Diffraction, Thermogravimetric and DFT Analyses of Pyrimidine Derivatives. *Molecules*. 19(11), 17187-17201.
54. Assem Barakat, Hany J. Al-Najjar, Abdullah Mohammed Al-Majid, Saied M. Soliman, Yahia Nasser Mabkhot, Mohamed H.M. Al-Agamy, **Hazem A. Ghabbour**, Hoong-Kun Fun (2015) Synthesis, molecular structure investigations and antimicrobial activity of 2-thioxothiazolidin-4-one derivatives. *Journal of Molecular Structure*. 1081:519–529.
55. Rashad A. Al-Salahi, Mohamed S. Marzouk, **Hazem A. Ghabbour**, Fun H. Kun (2014) Synthesis of Novel 2-(Methylthio)benzo[g][1,2,4]triazolo [1,5-a]quinazolin- 5-(4H)-one and its Derivatives. *Letters in Organic Chemistry* 11(10).
56. Ghorab, Mostafa M., Mansour S. Alsaid, Hazem A. Ghabbour, and Hoong-Kun Fun. (2014) "Design, Synthesis, X-Ray Crystallographic Study and Anticancer Activity of Novel 4-(7-Chloro-1-methylquinolin-4-(1H)-ylideneamino)-phenyl-3-(dimethylamino)-prop-2-en-1-one." *Asian Journal of Chemistry* 26, no. 24. 8497-8500.
57. Ghorab, Mostafa M., Mansour S. Alsaid, **Hazem A. Ghabbour**, and Hoong-Kun Fun. (2014) Synthesis, Crystal Structure, Spectral

X-ray publications

- Characterization and Cytotoxic Activity of Novel Ethyl 2-Cyano-3-(quinolin-3-ylamino)acrylate. **Asian Journal of Chemistry** 26, no. 21. 7393-7396.
58. **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). 5-Bromo-4-(3,4-dimethoxyphenyl)thiazol-2-amine. *Acta Cryst. E* 68, o1631.
 59. **H. A. Ghabbour**, A. A. Kadi, H. I. El-Subbagh, T. S. Chia & H.-K. Fun (2012). 1-(5-Bromo-4-phenyl-1,3-thiazol-2-yl)pyrrolidin-2-one. *Acta Cryst. E* 68, o1738.
 60. **H. A. Ghabbour**, A. A. Kadi, H. I. El-Subbagh, T. S. Chia & H.-K. Fun (2012). N-[4-(4-Bromophenyl)thiazol-2-yl]-4-(piperidin-1-yl)butanamide. *Acta Cryst. E* 68, o1665.
 61. **Hazem A. Ghabbour**, Mohamed N. Aboul-Enein, Aida A. El-Azzouny, Rasha M. Hassan, Mohamed I. Attia and Hoong-Kun Fun (2014) Crystal structure of 1-({4-[(3-nitrobenzyl)oxy]benzyl}amino)-2,3-dihydro-1H-indene-1-carboxamide hydrochloride-2-propanol(1:1), C₂₇H₃₂ClN₃O₅ *Zeitschrift für Kristallographie-New Crystal Structures*. 229, 309-310
 62. Gamal A. E. Mostafa, **Hazem A. Ghabbour**, Obaid S. AlRuqi, Hoong-Kun Fun, Hatem A. Abdel-Aziz (2015) Tetraphenylborate Salt of Bambuterol (Bambec®): Synthesis, Characterization and X-ray Structure of N-(2-(3,5-bis((dimethylcarbamoyl)oxy)phenyl)-2-hydroxyethyl)-2-methylpropan-2-aminium tetraphenylborate. *J Chem Crystallogr* Volume 45, Issue 5, pp 251-256
 63. S. Chantrapromma · P. Ruanwas · T. Noonot · J. Horkaew · N. Boonnak · **H. A. Ghabbour** · H.-K. Fun (2015) Synthesis and antibacterial properties of 4-bromobenzohydrazide derivatives and crystal structure of (E)-N'-((1H-indol-3-yl)methylene)-4-bromobenzohydrazide *Crystallography Reports* 60(7):1072-1079.
 64. Assem Barakat, Abdullah M Al-Majid, Yahia N Mabkhot, **Hazem A Ghabbour**, Hoong-Kun Fun (2014) Crystal structure of (E)-3-mesityl-1-phenylprop-2-en-1-one, C₁₈H₁₈O. *Zeitschrift für Kristallographie-New Crystal Structures*. 229 (3), 235-236.
 65. Mohamed I Attia, **Hazem A Ghabbour**, Maha S Almutairi, Soraya W Ghoneim, Hoong-Kun Fun (2014) Crystal structure of (4-chlorophenyl)((E)-[3-(1H-imidazol-1-yl)-1-phenylpropylidene] amino)oxy) methanone, C₁₈H₁₆ClN₃O₂. *Zeitschrift für Kristallographie-New Crystal Structures*. 229 (1), 45-46.

66. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapromma & H.-K. Fun (2012). *3-Acetyl-1,5-diphenyl-1H-pyrazole-4-carbonitrile*. **Acta Cryst.** E68, o1095.
67. M. G. Kassem, **H. A. Ghabbour**, H. A. Abdel-Aziz, H.-K. Fun & C. W. Ooi (2012). *3-Chloro-4-methylquinolin-2(1H)-one*. **Acta Cryst.** E68, o1043.
68. H. A. Abdel-Aziz, A.-R. M. Al-Obaid, H. A. Ghabbour, M. Hemamalini & H.-K. Fun (2012). *3-Acetyl-1-(3-methylphenyl)-5-phenyl-1H-pyrazole-4-carbonitrile*. **Acta Cryst.** E68, o485.
69. M. I. Attia, H. A. Ghabbour, A. A. El-Azzouny, C. K. Quah & H.-K. Fun (2012). *N-Phenyl-2-(propan-2-ylidene)hydrazinecarboxamide*. **Acta Cryst.** E68, o671
70. M. A. Bhat, H. A. Abdel-Aziz, **H. A. Ghabbour**, M. Hemamalini & H.-K. Fun (2012). *(E)-2-(2,3-Dimethylanilino)-N'-[2-methyl-5-(prop-1-en-2-yl)cyclohex-2-enylidene]benzohydrazide*. **Acta Cryst.** E68, o1135.
71. H. A. Abdel-Aziz, K. A. Al-Rashood, **H. A. Ghabbour**, S. Chantrapromma & H.-K. Fun (2012). *5,6-Dimethyl-4-(thiophen-2-yl)-1H-pyrazolo[3,4-b]pyridin-3-amine*. **Acta Cryst.** E68, o612.
72. A. A. El-Emam, M. A. Al-Omar, **H. A. Ghabbour**, H.-K. Fun & T. S. Chia (2012). *3-[(N-Methylanilino)methyl]-5-(thiophen-2-yl)-1,3,4-oxadiazole-2(3H)-thione*. **Acta Cryst.** E68, o1345.
73. M. A. Bhat, H. A. Abdel-Aziz, **H. A. Ghabbour**, M. Hemamalini & H.-K. Fun (2012). *(E)-N'-(4-Isopropylbenzylidene)isonicotinohydrazide monohydrate*. **Acta Cryst.** E68, o1002.
74. N. R. El-Brollosy, M. I. Attia, **H. A. Ghabbour**, S. Chantrapromma & H.-K. Fun (2012). *6-(3,5-Dimethylbenzyl)-5-ethyl-1-[(2-phenylethoxy)methyl]pyrimidine-2,4(1H,3H)dione*. **Acta Cryst.** E68, o1031-o1032.
75. H. A. Abdel-Aziz, K. A. Al-Rashood, **H. A. Ghabbour**, H.-K. Fun & T. S. Chia (2012). *1-(4-Methylphenyl)-2-(phenylsulfonyl)ethanone*. **Acta Cryst.** E68, o1033.
76. M. I. Attia, N. R. El-Brollosy, **H. A. Ghabbour**, S. Arshad & H.-K. Fun (2012). *5-Methoxy-1-[(5-methoxy-1H-indol-2-yl)methyl]-1H-indole*. **Acta Cryst.** E68, o971.
77. H. A. Abdel-Aziz, **H. A. Ghabbour**, M. Hemamalini & H.-K. Fun (2012). *(1Z,2E)-N'-{2-Chloro-1-methyl-2-[2-(4-methylphenyl)hydrazin-1-*

ylidene]ethylidene}-4-methoxybenzohydrazide. *Acta Cryst.* E68, o926

78. M. M. Ghorab, M. S. Al-Said, **H. A. Ghabbour**, S. Chantrapomma & H.-K. Fun (2012). (E)-4-Amino-N-(1,2-dihydropyridin-2-ylidene)benzenesulfonamide nitromethane monosolvate. *Acta Cryst.* E68, o1030.
79. A. A. El-Emam, N. R. El-Brollosy, **H. A. Ghabbour**, C. K. Quah & H.-K. Fun (2012). 3-(Adamantan-1-yl)-4-ethyl-1H-1,2,4-triazole-5(4H)-thione. *Acta Cryst.* E68, o1347.
80. H. A. Abdel-Aziz, **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). (Z)-3-p-Tolyl-2-(p-tolylimino)-1,3-thiazolidin-4-one. *Acta Cryst.* E68, o1143.
81. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapomma & H.-K. Fun (2012). (E)-3-Anilino-2-benzoyl-3-(methylsulfanyl)acrylonitrile. *Acta Cryst.* E68, o1271.
82. M. A. Al-Omar, A.-G. E. Amr, **H. A. Ghabbour**, C. K. Quah & H.-K. Fun (2012). Methyl 2-({6-[(1-methoxy-2-methyl-1-oxopropan-2-yl)carbamoyl]pyridin-2-yl}formamido)-2-methylpropanoate. *Acta Cryst.* E68, o1377.
83. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapomma & H.-K. Fun (2012). 3-Acetyl-5-phenyl-1-p-tolyl-1H-pyrazole-4-carbonitrile. *Acta Cryst.* E68, o1167.
84. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapomma & H.-K. Fun (2012). 3-Methyl-1-benzofuran-2-carbohydrazide. *Acta Cryst.* E68, o1255.
85. M. A. Bhat, H. A. Abdel-Aziz, **H. A. Ghabbour**, M. Hemamalini & H.-K. Fun (2012). N'-[(1E,2E)-3,7-Dimethylocta-2,6-dien-1-ylidene]pyridine-4-carbohydrazide. *Acta Cryst.* E68, o1144.
86. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapomma & H.-K. Fun (2012). 1-(4-Fluorophenyl)-2-(phenylsulfonyl)ethanone. *Acta Cryst.* E68, o1659.
87. M. M. Ghorab, M. S. Al-Said, **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). Ethyl 2-amino-4,5-dimethylthiophene-3-carboxylate. *Acta Cryst.* E68, o2111.
88. M. A. Al-Omar, A.-G. E. Amr, **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). Methyl 2-{6-[(1-methoxy-1-oxopropan-2-yl)aminocarbonyl]pyridine-2-carboxamido}propanoate. *Acta Cryst.* E68, o1837.

89. M. A. Al-Omar, N. M. Khalifa, **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). (E)-2-Cyano-N'-(1,2,3,4-tetrahydronaphthalen-1-ylidene)acetohydrazide. *Acta Cryst.* E68, o1740.
90. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapromma & H.-K. Fun (2012). 1-(4-Fluorophenyl)-2-(phenylsulfonyl)ethanone. *Acta Cryst.* E68, o1659.
91. M. S. Al-Said, M. M. Ghorab, **H. A. Ghabbour**, S. Arshad & H.-K. Fun (2012). 1-(3-Ethylphenyl)-4,6-dimethyl-2-oxo-1,2-dihydropyridine-3-carbonitrile. *Acta Cryst.* E68, o1679.
92. M. S. Al-Said, M. M. Ghorab, **H. A. Ghabbour**, C. K. Quah & H.-K. Fun (2012). 4-[(5,5-Dimethyl-3-oxocyclohex-1-enyl)amino]benzenesulfonamide. *Acta Cryst.* E68, o2370.
93. M. M. Ghorab, M. S. Al-Said, **H. A. Ghabbour**, T. S. Chia & H.-K. Fun (2012). (E)-3-Dimethylamino-1-(2,5-dimethylthiophen-3-yl)prop-2-en-1-one. *Acta Cryst.* E68, o1712.
94. H.-K. Fun, C. K. Quah, H. A. Abdel-Aziz & **H. A. Ghabbour** (2012). 1-(1,5-Diphenyl-4-phenylsulfonyl-1H-pyrazol-3-yl)ethanone. *Acta Cryst.* E68, o2725.
95. H.-K. Fun, C. K. Quah, H. A. Abdel-Aziz & **H. A. Ghabbour** (2012). (Z)-2-Benzylidenbenzo[d]thiazolo[3,2-a]imidazol-3(2H)-one. *Acta Cryst.* E68, o2705.
96. H.-K. Fun, C. K. Quah, H. A. Abdel-Aziz & **H. A. Ghabbour** (2012). 3-Oxo-3-(piperidin-1-yl)propanenitrile. *Acta Cryst.* E68, o2726.
97. H. A. Abdel-Aziz, **H. A. Ghabbour**, S. Chantrapromma & H.-K. Fun (2012). 3-Acetyl-1,5-diphenyl-1H-pyrazole-4-carbonitrile. *Acta Cryst.* E68, o1095.
98. FAM Al-Omary, **HA Ghabbour**, AA El-Emam, Chidan Kumar, H-K Fun. (2014) 4-(2-Methoxyphenyl) piperazin-1-ium 6-chloro-5-isopropyl-2, 4-dioxypyrimidin-1-ide. *Acta Cryst.* E 70 (3), o245-o246
99. FAM Al-Omary, **HA Ghabbour**, AA El-Emam, Chidan Kumar, H-K Fun. (2014) 5-Propyl-6-(p-tolylsulfonyl) pyrimidine-2, 4 (1H, 3H)-dione. *Acta Cryst.* E 70 (2), o179-o180
100. Nadia G Haress, **Hazem A Ghabbour**, Ali A El-Emam, Chidan Kumar, H-K Fun (2014) 6-[(2-Methylphenyl) sulfonyl]-5-propylpyrimidine-2, 4 (1H, 3H)-dione *Acta Cryst.* E 70 (7), o768-o769
101. FAM Al-Omary, **HA Ghabbour**, AA El-Emam, Chidan Kumar,

H-K Fun. (2014) 3-(Adamantan-1-yl)-4-benzyl-1H-1, 2, 4-triazole-5 (4H)-thione *Acta Cryst. E* 70 (7), o766-o767.

102. NZ Alzoman, AA El-Emam, **HA Ghabbour**, Chidan Kumar, H-K Fun (2014) Crystal structure of 2-(adamantan-1-yl)-5-(4-bromophenyl)-1, 3, 4-oxadiazole *Acta Cryst. E* 70 (12), o1231-o1232

103. Nadia G Haress, **Hazem A Ghabbour**, Ali A El-Emam, Chidan Kumar, H-K Fun (2014) Crystal structure of 6-chloro-5-isopropylpyrimidine-2, 4 (1H, 3H)-dione *Acta Cryst. E* 70 (11), o1144-o1145.

104. Pumsak Ruanwas, Suchada Chantrapromma, **Hazem A Ghabbour**, H-K Fun (2014) (1E, 4E)-1, 5-Bis [4-(diethylamino) phenyl] penta-1, 4-dien-3-one. *Acta Cryst. E* 70 (5), o589-o590.

105. Assem Barakat, A.M. Al-Majid, Y.N. Mabkhot, **H. A. Ghabbour**, H-K. Fun (2014) Crystal Structure of (E)-3-Mesityl-1-phenylprop-2-en-1-one *Zeitschrift für Kristallographie* 06/2014

106. Hatem A Abdel-Aziz, **Hazem A Ghabbour**, Hoong-Kun Fun. (2015) Crystal structure of (E)-3-(4-methoxyphenyl)-1-(thiophen-2-yl)-2-tosylprop-2-en-1-one, C₂₁H₁₈O₄S₂. *Zeitschrift für Kristallographie*

107. Abdulaziz A Bagabas, Sultan B Alhoshan, **Hazem A Ghabbour**, Chidan Kumar, H-K Fun (2015) Crystal structure of cyclohexylammonium thiocyanate *Acta Cryst. E* 71 (1), o62-o63.

108. FAM Al-Omary, AA El-Emam, **Hazem A Ghabbour**, Chidan Kumar, CK Quah, H-K Fun (2015) Crystal structure of 3-[(4-benzylpiperazin-1-yl) methyl]-5-(thiophen-2-yl)-2, 3-dihydro-1, 3, 4-oxadiazole-2-thione *Acta Cryst. E* 71 (3), o175-o176.

109. Mohamed I. Attia, **Hazem A Ghabbour**, Hoong-Kun Fun. (2015) Crystal structure of (2E)-2-[3-(1H-imidazol-1-yl)-1-phenylpropylidene]-hydrazinecarboxamide monohydrate, C₁₃H₁₇N₅O₂ *Zeitschrift für Kristallographie-New Crystal Structures* •

In manuscript

1. **Hazem A. Ghabbour**, Adnan A. Kadi and Hussein I. El-Subbagh. Cytotoxic Activity and Mass Spectrometric Fragmentation Behavior of some Thiazole Derivatives Employing ESI-Ion trap and EI-High Resolution. (Manuscript).

2. **Hazem A. Ghabbour**, Adnan A. Kadi and Hussein I. El-Subbagh. X-ray and

DFT study for some aminothiazole derivatives. (**Manuscript**)

ABSTRACT

1. Abdulrahman Alsultan, Duyen A. Ngo, John J. Farrell, **Hazem Ghabbour**, Idowu Akinsheye, Ameen Al-Ali, Ahmed Alsuliman, Muneer Al-Baghshi, Waleed Albuali, Mohammed Alabdulaali, Paola Sebastiani, Clinton T. Baldwin, David H.K. Chui, and Martin H. Steinberg. **(2011)** Co-Inheritance of Delta Thalassemia Might Contribute to the High Fetal Hemoglobin in Sick Cell Anemia Patients with the Saudi-Indian Haplotype. **Blood**. 118 (21), 486-487.
2. Alsultan, Abdulrahman, Akinsheye, Idowu, Solovieff, Nadia, **Ghabbour, Hazem**, Ngo, Duyen A., Dworkis, Daniel A, Baldwin, Clinton T., Sebastiani, Paola, Farrer, Lindsay A., Steinberg, Martin., Chui, David H.K. **(2010)** Fetal Hemoglobin In Sick Cell Anemia: Molecular Characterization of Saudi Patients From the Eastern Province. **Blood**. 116 (21), 1627-487.
3. Mohamed I. Attia, Maha S. Almutairi, Soraya W. Ghoneim, Azza S. Zakaria and **Hazem A. Ghabbour** . Synthesis, single crystal X-ray and anti-candida potential of certain new 1-[(3-substituted-3-phenyl)propyl]-1H-imidazoles **(2013)**. 5th International Conference on Drug Discovery and Therapy 101 (PO-20).
4. Gehad Lotfy, El Sayed H El Ashry, Mohamed M Said, El Sayed El Tamany, **Hazem A. Ghabbour**, Hoong-Kun Fun, Abdullah Al-Majid, Assem Barakat Regio- and stereoselective synthesis of novel spiro-oxindole via 1,3-dipolar cycloaddition reaction 14th International Conference on the Chemistry of Antibiotics and other Bioactive Compounds 13-16 October 2015 | Galveston Island, Texas, USA

Membership and activities	
	<ol style="list-style-type: none"> 1. Editorial board member of the Austin Journal of Analytical & Pharmaceutical Chemistry http://www.austinpublishinggroup.com/analytical-pharmaceutical-chemistry/editorialBoard.php 2. Editorial board member of journal of computational methods in molecular design http://scholarsresearchlibrary.com/Journal-of-Computational-Method-in-Molecular-Design/index.html 3. Reviewer in Molecular J. Structure (Elsivere) 4. Reviewer in Medicinal Chemistry Research (Springer) 5. Reviewer in Egyptian Pharmaceutical Journal 6. Reviewer in Spectrochimica Acta Part A Molecular and Biomolecular Spectroscopy (Elsivere)

References	
	<p>Hoong-Kun Fun, Ph.D. (Purdue)</p> <p>Professor</p> <p>Department of Pharmaceutical Chemistry</p> <p>College of Pharmacy, King Saud University</p> <p>P.O. Box. 2457 - Riyadh 11451</p> <p>Kingdom of Saudi Arabia</p> <p>Tel Office : (+966) 146-77335</p> <p>Tel Laboratory : (+966) 146-95853</p> <p>Fax : (+966)146-76220</p> <p>Mobile : +966548499520</p> <p>E-mail: hfun.c@ksu.edu.sa</p> <p>Webpage : 1. http://scholar.google.com/citations?user=jm5QaHkAAAAJ&hl=en</p> <p>2. http://faculty.ksu.edu.sa/hkf/pages/default.aspx</p>
	<p>Hussein I. El Subbagh</p> <p>Professor of Pharmaceutical Chemistry</p> <p>Department of Medicinal Chemistry</p> <p>Faculty of Pharmacy, Mansoura University</p> <p>Egypt.</p> <p>E-mail: subbagh@yahoo.com</p> <p>Webpage: http://scholar.google.com/citations?user=8Vsp-lAAAAJ&hl=en</p>
	<p>Mohamed Ayman Ali El-Zahabi (Ph.D.)</p> <p>Professor of Medicinal Chemistry</p> <p>Head of Computer Design Center</p> <p>Faculty of Pharmacy, King Abdul Aziz University, Jeddah, KSA.</p> <p>E-mail: malzahaby@yahoo.com, melzahaby@hotmail.com</p>