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Professor of Pharm. Organic Chemistry
Department of Pharmaceutical Chemistry
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EDUCATION

PhD in in Pharmaceutical Sciences (Pharmaceutical Organic Chemistry)- Assiut University- Egypt and Kyoto University - Japan, 1996-2000.

MS in Pharmaceutical Sciences (Pharmaceutical Organic Chemistry) Assiut University- Egypt, 1991-1996.

BS in Pharmaceutical Sciences Assiut University- Egypt, 1984-1989.

PROFESSIONAL POSITIONS

Vice Dean for Development and Quality, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2021-Present.

Head of the Clinical Pharmacy Department, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2017-2018.

Professor of pharm. Organic Chemistry, Department of Pharmaceutical Chemistry, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2012-Present.

Vice Dean for Development and Quality, Faculty of Clinical Pharmacy, Al Baha University, Al Baha, Saudi Arabia, 2019-2020.

Head of the Pharma. Organic Chemistry Department, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 2006-2012.

Supervisor of the Quality Unit, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 2004-2012.

Director of project management unit, Assiut University, Assiut, Egypt, 2011-2012.

Professor of Pharm. Organic Chemistry, Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 2011-2012.

Associate Professor of Pharm. Organic Chemistry, Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 2006-2011.

Assistant Professor of Pharm. Organic Chemistry, Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 2000-2006.

Lecturer Pharm. Organic Chemistry, Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 1996-2000.

Demonstrator of Pharm. Organic Chemistry, Department of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, 1991-1996.

PROFESSIONAL MEMBERSHIPS

- 1- A member of the pharmacy Syndicate since 1989 till present.
- 2- A member of the American Society for the Advancement of Science", 2000 till present.

Management of Quality Projects

- 1- The principal investigator (**PI**) of a project titled "**Implementation of Quality Assurance System**" in Faculty of Pharmacy, Assiut University (9/2004 for 18 months).
- 2- The principal investigator (**PI**) of a project titled "**Continuous improvement and Qualifying Project**" in Faculty of Pharmacy, Assiut University (3/2008 for 2.5 years).

PEER-REVIEWED PUBLICATIONS

1- Tetrahedron Letters; 39, 9055-9058 (1998).

A factor affecting enantioselective reaction of a ternary complex of lithium ester enolate with imine.

Takesha Kambara, *Mostafa Ahmed Hussein*, Hiroki Fujieda, Akira Iida, and Kiyoshi Tomioka.

2- Tetrahedron 55, 11219-11228 (1999).

Studies aimed at enhancement of reactivity and enantioselectivity of a lithium ester enolate using tridentate lithium amide.

Mostafa Ahmed Hussein, Akira Iida, and Kiyoshi Tomioka.

3- J. Chem. Soci. (Chem. Commun.), 715-716 (1999).

Catalytic asymmetric reaction of lithium ester enolates with imines.

Kiyoshi Tomioka, Hiroki Fujida, Satako Hayashi, *Mostafa Ahmed Hussein*, Takesha Kambara, Yumiko Nomura, Motomu Kanai, and Kenji Koga.

4- Bull. Pharm. Sci., Assiut University, 23, 125-136 (2000).

New chiral amine ligands for enantioselective synthesis of certain (S)- and (R)-monobactams.

Mostafa A. Hussein, Abdel-Nasser El-Shorbagi, Zeinab S. Farghaly, Nabil M. Omar, and K. Tomioka;

5- Arch. Pharm. Pharm. Med. Chem.; 334, 305-308 (2001).

Synthesis and antifungal activity of 3,3'-ethylenebis(5-alkyl-1,3,5- thiadiazine-2-thiones).

Mostafa A. Hussein, Abdel-Nasser El-Shorbagi, and Abdel-Raouf Khalill;

6- Arch. Pharm. Pharm. Med. Chem.; 9,438-442 (2002).

New 2H-1,3,5-thiadiazine-2-thiones incorporating glycine and glycinamide as potential antifungal agents.

Tarek Aboul-Fadl, **Mostafa A. Hussein**, Abdel-Nasser El-Shorbagi, and Abdel-Raouf Khalill;

7- Bull. Pharm. Sci., Assiut University, Vol. 27, Part 2, 193-202 (2004).

New 1,4-Disubstituted-6-hydroxyperhydro-1,4-diazepine-2,3-dione Derivatives.

A. A. Abuel-Magd, A. A. El-Shorbagi, **M. A. Hussein**, M. M. Hamdy, and A. M. Abdel-Alim

8- Bull. Pharm. Sci., Assiut, University, Vol. 28, Part 1, 37-44 (2005).

Synthesis of Some New 1,4-Disubstituted Piperazine-2,3-dione

Derivatives of Potential Anthelmintic Activity

Mostafa A. Hussein, and Ahmed K. Diab.

9- Acta Pharm, 56, 31-48, 2006.

Synthesis of 1-acyl-2-alkylthio-1,2,4-triazolobenzimidazoles with antifungal, anti-inflammatory and analgesic effects

Bahaa G. Mohamed, Abdel-Alim M. Abdel-Alim and **Mostafa A. Hussein**.

10- Bull. Pharm. Sci., Assiut, University, Vol. 28, Part 1, 131-136 (2005).

Synthesis and Antitubercular Activity of Some Mannich Bases Derived from Isatin Isonicotinic Acid Hydrazone

Mostafa A. Hussein, Tarek Aboul-Fadl, and Asmma Hussein

11- Egyptian J. of Biomedical Sciences, Vol. 16, 194-209 (2004).

Optical isomers of 3-substituted-5-(2-carboxyethyl)-1,3,5-thiadiazine-2-thiones of potential antimicrobial activity, synthesis and solid state stability

Mostafa A. Hussein, Tarek Aboul-Fadl, Mahrous O. Ahmed, Mohamed Hashem, and Mohamed Hassan

12- Arch Pharm Res, 29, 1, 26-33, 2006.

Synthesis and Antimicrobial Activity of Some New 1-Alkyl-2-alkylthio-1,2,4-triazolobenzimidazole Derivatives

Bahaa G. Mohamed, **Mostafa A. Hussein**, Abdel-Alim M. Abdel-Alim, and Mohammed Hashem

13- Arch. Pharm. Pharm. Med. 378, 339-378, 2006.

Synthesis of *p*-hydroxypropionic acid derivatives as potential anti-inflammatory and analgesic and antimicrobial agents.

Hamdy M. Abdel-Rahman and **Mostafa A. Hussein**

14- Bull. Pharm. Sci., Assiut, University, Vol. 29, Part 2, 253-271 (2006).

Synthesis and Pharmacological Activities of Novel 1-Alkyl-6-hydroxyperhydro-1,4-diazepine-2,3-diones.

Abdel-Alim A. M, **M. A. Hussein**, A. A. El-Shorbagi, A. A. Abuel-Magd, and B. S. El-Menshawi.

15- Bull. Pharm. Sci., Assiut, University, Vol. 29, Part 2, 348-370 (2006).

Synthesis and Biological Activity of Certain Indole Derivatives via the Utility of 2-Acetylindole

Alshaimaa A. Baker, **Mostafa A. Hussein**, Samia G. Abdel-Moty, Abdel-Hamid N. Kafafy, and M. M. Hamdy.

16- Arch. Pharm Res, 30, 1186-1205 (2007)

Synthesis and antimicrobial activity of certain new 1,2,4-triazolo[1,5-a]- pyrimidine derivatives.

Yaser A-H Mostafa, **Mostafa A. Hussein**, Awaad A. Radwan, and Abd El-Hamid N. Kfayf

17- Arch. Pharm. Chem. Life Sci. 341, 370-376 2008.

Synthesis of New 3-Substituted-5-(2-hydroxyethyl)-3,4,5,6-tetrahydro-2H-1,3,5-thiadiazine-2-thione Derivatives of Potential Antimicrobial Agents

Mostafa A. Hussein and Mohammed Hashem

18- Arch. Pharm. Pharm. Med. Chem.; 341, 4, 240-246 (2008)

Selenium containing Heterocycles: Synthesis and Anti-inflammatory, Analgesic and Ulcerogenic Activities of Some New 3-Cyano-4-ethylquinoline-2(1*H*)-Selenone Derivatives.

Shams H. Abdel-Hafez and **Mostafa A. Hussein**

19- Acta Pharm, 59, 365-382 (2009).

Synthesis and potential biological activities of certain new substituted thiazoline-quinoline derivatives

Mostafa A. Hussein, Abdel-Hamid N. Kafafy, Samia G. Abdel-Moty, and Ola Mohamed F. Abou-Ghadir

20- Arch Pharm Res, 34, 8, 1239-1250 (2011).

Synthesis, anti-inflammatory, analgesic, and antibacterial activities of some triazole, triazolothiadiazole, and triazolothiadiazine derivatives

Mostafa A. Hussein, Raffat M. Shaker, Abdella M. Ameen, and Mohammed F. Mohammed

21- Bull. of Korean Chem. Soc., Vol. 32, No. 5, 1511-1518, (2011).

Design, Synthesis, and Antimicrobial Activity of New 1,4-disubstituted octahydro- quinoxaline-2,3-diones

Mostafa A. Hussein

22- Bull. Pharm. Sci., Assiut, University, Vol. 34, Part 1, 37-52 (2011).

Synthesis and Antimicrobial Activity of New Substituted Dihydropyrimidine derivatives

Mostafa A. Hussein, S. G. Abdel Moty, Salah A. Abd El-Aziz, and Mahrous A. Abou-salim

23- Bull. Pharm. Sci., Assiut, University, Vol. 34, Part 1, 77-92 (2011).

Synthesis of Some Benzimidazo-1,2,4-Triazole Derivatives with Antimicrobial and Anti-inflammatory Activities

Anber Fangari Mohammed, **Mostafa Ahmed Hussein**, Samia Galal Abdel-Moty, and Abdel-Alim Mohammed Abdel-Alim

24- Bull. Pharm. Sci., Assiut, University, Vol. 34, Part 2 -149-158 (2011).

Design, Synthesis, and Antidiabetic Activity of Some New 4-amino (or 6-oxo)-2-Methy / Benzylthio (or substituted amino) pyrimidine derivatives

Salah Abdel-Muttalib Abdel -Aziz, **Mostafa Ahmad Hussein**, Ihab Talat Abdel-Raheem.

25- Chem. Pharm. Bull, 60, 3, 402-407 (/2012).

Design, Synthesis and *In-vitro* Evaluation of a Near-infrared Fluorescent Probe for Non-Invasive Imaging of Tumor Hypoxia

Bahaa G. M. Youssif, Kensuke Okuda, Ola I. Abdel Razek, Alaa M. Hayallah, **Mostafa A. Hussein**, Tetsuya Kadonosono, Shinae Kondoh, and Hideko Nagasawa

26- Arch Pharm Res, **36, 12, 1465-1479 (2013).**

Design, synthesis and molecular docking of some new 1,2,4-triazolobenzimidazol-3-yl acetohydrazide derivatives with anti-inflammatory-analgesic activities

Anber F. Mohammed, Samia G. Abdel-Moty*, **Mostafa A. Hussein**, and Abdel-Alim M. Abdel-Alim.

27- Saudi Pharmaceutical Journal 24, 119-132(2016)

Design and Synthesis of Some Substituted Thiazolo[3,2-a]Pyrimidine Derivatives of Potential Biological Activities

Samia G. Abdel Moty, **Mostafa A. Hussein**, Salah A. Abdel Aziz, and Mahrous A. Abou-Salim.

28- *Bioorg. Med. Chem.* (Accepted 2014)

Development of Near-infrared Fluorescent Probe for Non-invasive Imaging of Tumor Hypoxia

Takahiro Ueno, Yasuyuki Okabe, Satoshi Ueda, Kensuke Okuda, Ola I. Abdel Razek, Alaa M. Hayallah, **Mostafa A. Hussein**, Tetsuya Kadonosono, Shinae Kondoh, and Hideko Nagasawa

29- Der Pharma Chemica, 6 (2) 199-211, 2014.

Design and Synthesis of Some New Purine-dione Derivatives of Potential Anti-inflammatory Activity

Ola F. Abou-Ghadir, Alaa M. Hayallah*, Samia G. Abdel-Moty and **Mostafa A. Hussein**

30- Archives of Pharmacal Research 13 (2), 6065-6081, 2017.

Design and Synthesis of Some New Olomoucine Analogues with Anticancer Activity

Ola F. Abou-Ghadir, Alaa M. Hayallah, Samia G. Abdel-Moty, Mostafa A. Hussein and Ahmed S. Aboraia

31- Der Pharma Chemica, 7(4):190-200, 2015

Synthesis and investigation of antihypertensive activity using anaesthetized normotensive nonhuman primates of some 2-aryl-4-(substituted) pyrimido[1,2-a] benzimidazoles

Abdel-Nasser A. El-Shorbagi¹ and Mostafa A. Hussein

32- American journal of Pharmacy and Health Research, 4(11): 50-70, 2016

Synthesis and Pharmacokinetic studies of Effective and Safe New Antimicrobial Derivatives of Substituted Hydroquinoxaline-2,3-diones

Mostafa A. Hussein and Fergany A. Mohammed

33- Journal of Advances in Chemistry, 2017 13 (12) 6065-6082.

Design, Molecular Modeling and Synthesis of Some New Purine diones pyridoprимidine-diones with Anticancer Activity

Ola F. Abou-Ghadir, Alaa M. Hayallah, Samia G. Abdel-Moty, Mostafa A. Hussein, Ahmed S. Aboraia and Douaa Sayed.

34- American journal of Pharmacy and Health Research, 6(4): 27-56, 2018.

Effect of Altitude (2500 M) on the Pharmacokinetics of Diclofenac Sodium and Cefadroxil After Oral Administration To Human Volunteers

Fergany A. Mohammed and Mostafa A. Hussein

35- Heterocycles, 101, 2, 2020, 559-579.

Development of Near-infrared Fluorescent Probe with Large Stokes Shifts for Non-invasive Image of Tumor Hypoxia

Kensuke Okuda, Bahaa G. M. Youssif, Ryosuke Sakai, Takahiro Ueno, Takayuki Sakai, Tetsuya Kadonosono, Yasuyuki Okabe, Ola I. Abdel Razek, Alaa M. Hayallah, **Mostafa A. Hussein**, Shinae Kondoh, and Hideko Nagasawa

36- International Journal of Pharma Sciences and Scientific Research, 6, 3, 2020, 49-56.

Synthesis of some new 1,2-disubstituted-1,2,4-triazolobenzimidazoles with antifungal and anti-inflammatory effects.

Mostafa A. Hussein and Bahaa G. M. Youssif

POSTER PRESENTATIONS PRESENTED AT PROFESSIONAL MEETINGS

- 1- The XXV conference of Pharmaceutical Sciences, Cairo, Egypt, 24-26/12/1996, presentation of "Design and Synthesis of some pyrimido[1,2-a]bezimidazole derivatives of potential hypotensive effect".
- 2- The 48^L kink branch meeting of pharmaceutical society of Japan, Kobe city, 24/10/1998.
- 3- The 119- meeting of the pharmaceutical society of Japan, Tokushima city, 29/3-31/3/1999.
- 4- The seminar for young organic chemist, Kyoto city, Japan, 16/12/1998.
- 5- The 24- symposium on progress in organic reactions and synthesis, application in the life science, Chiba city, Japan 5-6/11/1998.
- 6- The Alexandria second international conf. of pharm. Sciences and technology, Alex., Egypt, 25-27 /10 / 2000.
- 7- The XXVII conf. of Pharmaceutical Sciences, Cairo, Egypt ,2-4/1/2001.
- 8- The 8th IBN SINA International conf. of pure and applied heterocyclic chemistry, Luxor, Egypt, Feb. 16-19, 2002.
- 9- The Assiut University 3rd Pharm. Sciences conf., Assiut, Egypt, March 5-6, 2002.
- 10- The XXVII conf. of Pharmaceutical Sciences, Cairo, Egypt, 17-19/12/2002.
- 11- Polish-Austrian-German-Hungarian-Italian Joint Meeting in Medicinal Chemistry, Krakow, Poland, October, 15-18, 2003.
- 12- The 9th IBN SINA International conf. of pure and applied heterocyclic chemistry, Luxor, Egypt, Decern. 11-14, 2004.
- 13- The Assiut University 4th Pharm. Sciences conf., Assiut, Egypt, March 6-7, 2004.
- 14- The Assiut University 5th Pharm. Sciences conf., Assiut, Egypt, March 12-13, 2008.
- 15- Egyptian Pharm. Society XXXI conf. of Pharm. Sciences 12, 2008.
- 16- The 7th Assiut University international pharm. Science Conference, 17-18/3/2010.
- 17- Change Manegment in the Academic Environment, Al Baha, KSA, 4 / 3 / 2014.