**Dr. Hanan M.A. Ragab**

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**Date & Place of Birth:** December 17, 1976, Alexandria, Egypt.

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**Education:**
• **2007, Ph.D. in Pharmaceutical Chemistry**,

Thesis entitled “Synthesis of Heterocyclic Analogs As Agents for Potential Treatment of Alzheimer's Disease”.

 Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt in collaboration with Virginia Commonwealth University through the Egyptian Channel Program.

Major advisor: Prof. Dr. Fawzia A. Ashour
• **2003, M. Pharm. in Pharmaceutical Chemistry**,

Thesis entitled “Novel Pyridine Condensed Derivatives Related To Drugs Active Against Alzheimer Disease ”

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt.

Major advisor: Prof. Dr.A.-MohsenM.E. Omar
•**1999, B. Pharm. Sci**.

With general grade distinction honor,

Faculty of Pharmacy, University of Alexandria, Egypt.

**Experience:**

• September 2014 – present, Faculty member, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt.
•September 2011 – August 2014, Faculty member, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Beirut Arab Univeristy, Lebanon.

•December 2007 – August 2011, Faculty member, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt.

• March.,2005 - Mar.,2007, Visiting PhD Student, School of Pharmacy, Virginia Commonwealth University, Richmond, VA, 23298, USA.

•March 2000 – December 2007, Teaching Assistant, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt.

•March 2000 – December 2007, Research Assistant, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Egypt.

**Faculty Appointements:**

• 2019, member of the organizing committee of PHS2019 conference, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt.

• 2016 – present, member of the community committee, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt.

• 2015 – present, vice deputy, Quality Assurance Unit, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt.

• 2014 – present, Lecturer, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt.
• 2011 - 2014, AssistantProfessor, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Beirut Arab University, Beirut 11072809, Lebanon.

• 2007 - 2011, Lecturer, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria21521, Egypt.
• 2003 - 2007, Assistant Lecturer, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria21521, Egypt.
• 2000 - 2003, Demonstrator (Teaching Assistant), Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Alexandria, Alexandria21521, Egypt.

**Areas of Expertise and Research Activities:**
 • **Univ. Alex.,**

•Design, synthesis and in vitro/in vivo evaluation of new pharmacologically active compounds, e.g.

1. Acetyl Cholinesterase Inhibitors.
2. Antiinflammatory and analgesic drugs.
3. Anticancer drugs.

•Teaching of Practical and Theoretical Pharmaceutical Organic Chemistry, Pharmaceutical Chemistry, Medicinal Chemistry courses for undergraduate students as well as continuing education courses for medical professions.

•Teaching Spectroscopic Identification of Pharmaceutical Compounds course (0905601) for postgraduate "Drug Design, Synthesis & Quality Control" Diploma, Alexandria University, Egypt.

•Teaching Seminar I courses for postgraduate program students, Alexandria University, Egypt.

•Capable of applying and teaching multi-step synthesis together with modern synthetic methods and analytical techniques (NMR, HPLC, MS…etc.).

 • **VirginiaCommonwealthUniversity (VCU),**

•Synthesis and in vitro/in vivo evaluation of new pharmacologically active compounds, e.gNicotinic Receptor Ligands., Visiting PhD Student, School of Pharmacy, March 2005 – March 2007.

• **Beirut Arab University,**

•Design, synthesis and in vitro/in vivo evaluation of new pharmacologically active compounds, e.g. Acetyl Cholinesterase Inhibitors.

•Teaching of Practical and Theoretical Pharmaceutical Organic Chemistry, Pharmaceutical Chemistry, Medicinal Chemistry courses for undergraduate students as well as continuing education courses for medical professions.

•Teaching Theoretical course on Drug Library and Literature Surveying for postgraduate students.

•Capable of applying and teaching multi-step synthesis together with modern synthetic methods and analytical techniques (NMR, HPLC, MS…etc.).

**Professional Socities:**
1. Member of The General Egyptian Syndicate of Pharmacists.
2. Member of The revision board of Alexandria Journal of Pharmaceutical Sciences

3. Member of The Quality Assurance and Accreditation Project (QAAP).

4. Vice deputy, Quality Assurance Unit, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt.

5. Member of the Egyptian Pharmaceutical Society.

6. Member of the Community Committee at Faculty of Pharmacy, Alexandria University.

**Training Programs Taken:**

* Training Program in ***"Effective Presentation Skills***" Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, April 2007.
* Training Program in ***"Code Of Ethics"*** Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, April 2007.
* Training Program in ***"New Trends In Teaching"*** Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, April 2007.
* Training Program in ***"Teaching With Technology"*** Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, April 2007.
* Training program “***Microsoft E-Content Development Training”***, Alexandria University, Egypt, August 2008.
* Workshop in “***Computer-Based Drug Design”***, Faculty of Pharmacy, Mansoura University, Egypt, February 2010.
* Training program in ***“Disaster Risk Reduction”***, Faculty of Pharmacy, Beirut Arab University, Lebanon, February 2014.
* Training program in ***“Research Funding And Grant Writing”***, AmericanUniversity in Beirut, sponsored by Tempus on the IDEAL project, Lebanon, February 2014.
* Training program in ***“Crisis And Disaster Management”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, May 2015
* Training program in ***“Student Evaluation And Examination Techniques”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, May 2015
* Training program in ***“International Publishing of Scientific Research Papers”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, March 2016
* Training program in ***“Organization of Scientific Conferences”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, March 2016
* Training program in ***“Communication Skills in The Different Educational Techniques”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, May 2016.
* Training program in ***“Credit Hour System”***, Faculty and Leadership Development Project (FLDP), Alexandria University, Egypt, June 2016.
* Training program “***Strategic Planning”***, Quality Assurance Administration, V-Tech, Faculty of Engineering, Alexandria University, Egypt, September 2017.
* Training program “***Author Workshop”***, Alexandria University, Egypt, April 2018.
* Training program “***CellPress Journals awareness workshop”***, Alexandria University, Egypt, July 2018.
* Workshop in “***Project Management”***, Faculty of Engineering, Alexandria University (Part of DAAD training), Egypt, September 2019.

**Thesis supervision:**

Perihan El Zahar (Master)

Thesis entitled "Design, Synthesis and Biological Investigation of Some New Pyridine Derivatives", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: May 2012.

MarwaMamdouh Mohamed (Master)

Thesis entitled "Synthesis and Biological Evaluation of Some heterocyclic compounds as β-lactamase inhibitors", Faculty of Pharmacy, Alexandria University, Egypt.

Started:September 2015 (in progress).

Haidy Hafez Mohamed (Master)

Thesis entitled "Synthesis of some novel heterocyclic compounds linked to or fused with phenolic or quinonoid moieties with potential biological activities", Faculty of Pharmacy, Alexandria University, Egypt.

Started:September 2015(in progress).

**Publications:**

1. **Periodicals**
2. Aryloxyethylamines: Binding at 7 Nicotinic Acetylcholine Receptors . Hanan M. Ragab, Jin Sung Kim, MalgorzataDukat, Herna’n Navarro and Richard A. Glennon, *Bioorg med chemlett,* 16, 4283 (2006).
3. Synthesis and Acetylcholinesterase Inhibitory Activity of Novel Tetrahydroquinoline and Pyrazolo[3,4-b]tetrahydroquinoline Derivatives as Potential Agents for Treatment of Alzheimer’s Disease . Alaa A. El-Tombary, A.Mohsen M.E. Omar, Nabil H. Eshba, Sherif A.F. Rostom, Hanan M.A. Ragaband Evan Saad, *Alex J Pharm sci,* 22(1), 61 (2008).
4. Design, Synthesis and Biological Screening of Some Pyridinylpyrazole and Pyridinylisoxasole Derivatives as Potential Anti-Inflammatory, Analgesic, Antipyretic and Antimicrobial Agents. Soad A.M. El-Hawash, RaafatSoliman, Amal M. Youssef, Hanan M.A. Ragab, Perihan A.S. Elzahhar, Ibrahim M. El-Ashmawey, Abeer E. Abdel Wahab and Iman A Shaat., *Med Chem,* 10(3), 318 (2014).
5. Design, Synthesis and Antimicrobial Evaluation of Methyl Pyridyl-2,4-Dioxobutanoates and Some New Derived Ring Systems. Perihan A.S. Elzahhar, RaafatSoliman, Soad A.M. El-Hawash,Hanan M.A. Ragab, Amal M. Youssef, Abeer E. Abdel Wahab, *Med Chem,* 11(4), 407 (2015).
6. Synthesis and biological evaluation of some tacrine analogs: study of the effect of the chloro substituent on the acetylcholinesterase inhibitory activity. Hanan M. Ragab, Hayam M.A. Ashour, AmalGalal, Asser I. Ghoneim, Hassan R. Haidar, *MonatshChem*, 147, 539 (2016).
7. Synthesis of some new amide-linked bipyrazoles and their evaluation as anti-inflammatory and analgesic agents. Wissam H. Faour, Mohamed Mroueh, Costatantine F. Daher, Rasha Y. Elbayaa, Hanan M. Ragab, Asser I. Ghoneim, Ahmed I. El-Mallah, Hayam M.A. Ashour, *J EnzInhib Med Chem*, 31(6), 1079 (2016).
8. Compounds containing azole scaffolds as Cyclooxygenase inhibitors: A review. Hanan M.A. Ragab, Adnan A. Bekhit, Sherif A.F. Rostom and Alaa El-Din A. Bekhit,*Current topics in Medicinal Chemistry*, 16(30), 3569 (2016).
9. Synthesis of new pyrazolo[3,4-d]pyrimidine derivatives and evaluation of their anti-inflammatory and anticancer activities. Heba A. Abd El Razik, Mohamed Mroueh, Wissam H. Faour, Wassim N. Shebaby, Costantine F. Daher, Hayam M.A. Ashour, Hanan M. Ragab, *ChemBiol Drug Des*, 90, 83 (2017).
10. Pyrazolylpyrazolines: design, synthesis and biological evaluation as dualacting antimalarial-antileishmanial agents. Adnan Bekhit, EskedarLodebo, AriayaHymete, HananRagab, Alaa El-Din Bekhit, *International Journal of Pharmacological And Pharmaceutical Sciences*, 4(1), 2017.
11. Investigation of chronic efficacy and safety profile of two potential anti-inflammatory bipyrazole-based compounds in experimental animals. S Domiati, M Mehanna, H Ragab, HN Chmaisse, A El Mallah, *Journal of Inflammation Research,* 11, 143(2018)
12. Elucidation of the molecular mechanism underlying the anti-inflammatory activity of an effective and safe bipyrazole-based compound. S Domiati, M Mehanna, H Ragab, KH Abd El Galil, HN Chmaisse, A El Mallah, *Inflammation Research,* 68, 379(2019)
13. Chlorinated tacrine analogs: Design, synthesis and biological evaluation of their anti-cholinesterase activity as potential treatment for Alzheimer's disease. Hanan.M. Ragab, Mohamed Teleb, Hassan R. Haidar and Noha Gouda, Bioorg. Chem, 86, 557-568 (2019).
14. Synthesis, biological evaluation and modeling of hybrids from tetrahydro-1H-pyrazolo[3,4-b]quinolines as dual cholinestrase and COX-2 inhibitors. Mohamed Mroueh, Wissam H. Faour, Wassim N. Shebaby, Costantine F. Daher,Tamer M. Ibrahimd, Hanan M. Ragab, Bioorg. Chem, 100, 103895 (2020).
15. **Books**

Alzheimer Disease: Prevalence, Etiology and Treatment, Hanan M. Ragab, LAP LAMBERT academic publishing.

# Participation in National and International Conferences or Symposia

1. Novel Pyridine Condensed Derivatives Related to Drugs Active Against Alzheimer Disease Part I: Synthesis and In-vitro and In-vivo Acetyl Cholinesterase Inhibitory Activity of Tetrahydroquinoline Derivatives Bearing Oxadiazole, Thiadiazole and Thiazole Ring Systems. A. Mohsen M.E. Omar, Nabil Eshba, Alaa A. El-Tombary, SherifRostom and **Hanan M.A. Ragab**, *XXVIII International Conference of Pharmaceutical Sciences, Cairo, Egypt, Dec. 17-19th, 2002, Abst. P 66.*
2. Novel Pyridine Condensed Derivatives Related to Drugs Active Against Alzheimer Disease Part II: Synthesis and In-vitro and In-vivo Acetyl Cholinesterase Inhibitory Activity of Pyrazolo[3,4-b]Tetrahydroquinoline Bearing Schiff Bases, Thioures Moieties and Thiazole Ring Systems. A. Mohsen M.E. Omar, Nabil Eshba, Alaa A. El-Tombary, SherifRostom and Hanan M.A. Ragba, *XXVIII International Conference of Pharmaceutical Sciences, Cairo, Egypt, Dec. 17-19th, 2002, Abst. P 67.*
3. Aryloxyethylamines: Binding at 7 Nicotinic Acetylcholine Receptor. **Hanan M. Ragab,** Jin Sung Kim, MalgorzataDukat, Herna’n Navarro and Richard A. Glennon,*,* 84th Annual Meeting of the Virginia Academy of Science, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA, 25-26th May, 2006, *Abst. P58*.
4. Anabaseing Analogues: Binding at 7 Nicotinic Acetylcholine Receptors . Jin Sung Kim, **Hanan M. Ragab,** MalgorzataDukat, Herna’n Navarro and Richard A. Glennon,*,* 20th LAAS International Science Conference entitled Advanced Research for Better Tomorrow, The Lebanese Association for The Advancement of Science in Collaboration with Doctoral School of Science And Technology at The Lebanese University, Al Hadath, Lebanon, 27-29th March, 2014.
5. Synthesis of Some NewAmide-linked Bipyrazoles and Their Evaluation as Antiinflammatory, Analgesic and Antimicrobial agents. H.M. Ashour, R.Y. Elbayaa, **H. M. Ragab,** A. I. Ghoneim, M.Mroueh, W. Faour and R. Ramadan, 3rd International Conference of Organic Chemistry, 25-28th September, 2014,Tibilisi, Georgia,*Abst.* PP62 (page 235).
6. Novel Chlorinated Tacrine-Related Analogs As Potential Candidates for The Treatment of Alzheimer Disease,**H. M. Ragab,** H.M. Ashour, A. Galal,A. I. Ghoneim, H.R. Haidar, 13thIbnSinaInternational Conference on Pure and Applied Heterocyclic Chemistry, Hurgada, Egypt, 14-17th February, 2015, PP59.
7. Quinuclidine Containing Analogues: Binding At 7 Nicotinic Cholinergic Receptors As Potential Treatment of Alzheimer Disease. **Hanan M. Ragab,** MalgorzataDukat, Herna’n Navarro and Richard A. Glennon, 13thIbnSinaInternational Conference on Pure and Applied Heterocyclic Chemistry,Hurgada, Egypt, 14-17th February, 2015, PP60.
8. Pyrazolylpyrazolines: Design, Synthesis And Biological Evaluation As DualActing Antimalarial-Antileishmanial Agents. Adnan Bekhit, EskedarLodebo, AriayaHymete, **HananRagab**, Alaa El-Din Bekhit, 19th International Conference on Medicinal Chemistry and Biopharmaceutics, Word Academy of Science Engineering And Technology, London, England, 19-20 January, 2017, p1171.
9. Synthesis and Biological Evaluation of Some Heterocyclic Compounds as -lactamase Inhibitors. Adnan Bekhit, Mona A. Mahran, Kenichi Akaji, Hanan.M. Ragab, Marwa M. Shaaban, Nano Chemistry Conference, Faculty of Science, Alexandria, Egypt, 29 July, 2017, 12A.
10. Chlorinated tacrine analogs: Design, synthesis and biological evaluation of their anti-cholinesterase activity as potential treatment for Alzheimer's disease. Hanan.M. Ragab, Mohamed Teleb, Hassan R. Haidar and Noha Gouda, Global Experts Meeting on: Pharmaceutics And Novel Drug Delivery Systems, London, England, 15-17 July, 2019, p52.
11. Synthesis and Biological Evaluation of Some Heterocyclic Compounds as -lactamase Inhibitors. Adnan Bekhit, Mona A. Mahran, Kenichi Akaji, Hanan.M. Ragab, Marwa M. Shaaban, Pharmaceutical and Health Sciences Conference, Faculty of Pharmacy, Alexandria, Egypt, 6-7 November, 2019, PHS 216.
12. Synthesis of some novel heterocyclic compounds linked to or fused with phenolic or quinonoid moieties for potential biological activities. Haidy H. Mohamed, Ibrahim C. Ahmed, Hanan M. Ragab and Ahmed S. Belel, Pharmaceutical and Health Sciences Conference, Faculty of Pharmacy, Alexandria, Egypt, 6-7 November, 2019, PHS 222.
13. Novel Heterocyclic derivatives as metallo--lactamase Inhibitors: A Milestone in Overcoming Antibiotic Resistance. Marwa M. Shaaban, Hanan.M. Ragab, Kenichi Akaji, Bassma H. Elwakil, Alaa-ELdin A. Bekhit, Waleed M. Hussein, Mona A. Mahran, Adnan Bekhit, , Second PUA International Conference on "Multidisciplinary Approaches in Pharmaceutical Sciences" ICMAPS 2020, Pharos University in Alexandria, Alexandria, Egypt, 11-12 March, 2020, PC-P-06, p40.

**Participation as invited speaker in National and International Seminars or Workshops**

1. Carbocations, Carbanions and Free Radicals. Alexandria University, 4/2002, Invited speaker.
2. Stereochemistry in Drug Design. AlexandriaUniversity, 7/2007, Invited speaker.
3. Stereochemistry of Drug Action. AlexandriaUniversity, 3/2009, Invited speaker.
4. Disaster Risk Reduction. BeirutArabUniversity, 14/3/2014, Invited speaker.

**Awards**

1. Reward of Alexandria University for publication in top 60% of Medicinal Chemistry Journals: Monatsh Chem, 2016; 147, 539.
2. Reward of Alexandria University for publication in top 25% of Medicinal Chemistry: J Enzyme Inhibition and Medicinal Chemistry, 2016; 31, 1079.
3. Reward of Alexandria University for publication in top 50% of Medicinal Chemistry: Current topics in Medicinal Chemistry, 2016; 16, 3569.
4. Reward of Alexandria University for publication in top 50% of Medicinal Chemistry: Chemical Biology and Drug Design: 2017; 90, 83.
5. Reward of Alexandria University for publication in top 25% of Medicinal Chemistry Journals: Bioorganic chemistry, 2019; 86, 557.
6. Best poster price in Global Experts Meeting on: Pharmaceutics And Novel Drug Delivery Systems, London, England, 15-17 July, 2019, p52