

CURRICULUM VITAE
Hayam Mohamed Abdelhady Ashour, Ph.D.



Name: Hayam Mohamed Abdelhady Ashour
Current Position: Professor of Pharmaceutical Chemistry,
Faculty of Pharmacy, Alexandria University,
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Languages: Arabic and English

Education :

- June 1993, B.Sc. Pharmaceutical Sciences, Faculty of Pharmacy, Alexandria University.
- September 1998, M.Sc. in pharmaceutical Sciences (Pharmaceutical Chemistry), Thesis entitled "Design, Synthesis and Study of Certain Heterocyclic Derivatives as Potential Antiulcer Agents of the Gastrointestinal Tract", Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt. Major advisor: Prof. Ragab Shafik, Ph.D.
- August 2002, Ph.D. in Pharmaceutical Chemistry, Thesis entitled "Design, Synthesis, and Characterization of Certain Bioisosteric Relatives of Gastrointestinal Antiulcer Agents "Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt. Major advisor: Prof. Ragab Shafik, Ph.D.

Professional Experience:

- 1993-1998, Demonstrator of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt.
- 1998-2002, Assistant lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt.
- 2002-2009, Lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt.
- 2009-2016, Associate Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt.
- 2017-2022, Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Alexandria University, Egypt.
- 2022-2024, Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Galala University, Egypt
- 2024-present, Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Beirut Arab University, Beirut, Lebanon.

Research Interests:

Synthetic medicinal chemistry: synthesis and characterization of heterocyclic compounds of biological significance in the fields of antiulcer, anticancer, antimicrobial, anti-inflammatory, analgesic and anticholinesterase activities.

Teaching Experience:

- Teaching theoretical and practical courses of Medicinal Chemistry for undergraduate students at Beirut Arab University, Beirut, Lebanon from 2024 till now.
- Teaching theoretical and practical courses of Medicinal Chemistry for undergraduate students at Galala University, Egypt from 2022-2024.
- Teaching the theoretical and practical courses of Pharmaceutical Organic Chemistry for the 1st and 2nd year undergraduate students- Faculty of Pharmacy, Alexandria University, Egypt from 2002-2022.

- Teaching the theoretical and practical courses of Pharmaceutical Organic Chemistry for the 1st and 2nd year undergraduate students-Faculty of Pharmacy, Damanhour University, Egypt from 2009-2019.
- Teaching the theoretical and practical courses of Pharmaceutical Organic Chemistry for the 1st and 2nd year undergraduate students-Faculty of Pharmacy, Pharos University, Egypt from 2016-2020.
- Teaching the theoretical and practical courses of Pharmaceutical Chemistry (PC-102, PC-203, and PC-304) for undergraduate clinical program students- Faculty of Pharmacy, Alexandria University, Egypt from 2017-2022.
- Teaching theoretical advanced organic pharmaceutical chemistry courses (0905602) for postgraduate "*Drug Design, Synthesis & Quality Control*" *Diploma*, Alexandria University, Egypt.
- Teaching Drug Synthesis course (0905601) for postgraduate "*Drug Design, Synthesis & Quality Control*" *Diploma*, Alexandria University, Egypt.
- Teaching Seminar I courses for Ph.D. program students, Alexandria University, Egypt.

Experience in Academic Practice:

- Participating in the annual meetings of the Department of Pharmaceutical chemistry concerning the development and assessment of the undergraduate students' courses.
- Participating in the preparation of the theoretical and practical Organic chemistry notebooks for the 1st year students.
- Participating in the installation & equipment of the research laboratories of the department
- Participating in the scientific meetings and workshops held in the department.
- Responsible for all aspects of laboratory work and guidance of students within the laboratory sessions.
- Oral examiner of undergraduate students in some Egyptian Universities.
- Academic advisor for a group of 1st year students.
- Supervising the summer training of undergraduate students-Faculty of Pharmacy, Alexandria University.

- Academic advisor for a group of Clinical Pharmacy students.

Peer esteem:

- Reviewer for the European journal of medicinal chemistry.
- Reviewer for the Journal of Archive der pharmazie.
- Reviewer for Medicinal Chemistry Research
- Reviewer for Medicinal Chemistry journal (Bentham).
- Reviewer for Monatshefte Für Chemie.
- Reviewer for Heterocyclic Chemistry.
- Membership of the revisory committee for the Alexandrian Journal of Pharmaceutical Sciences 2003-2007.

Theses Supervision:

- Marwa H. El-Wakil (Master)

Thesis entitled "Synthesis and Biological Evaluation of Some Novel Purine and Pyrimidine Analogs as Potential Antineoplastic Agents", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: January 2011.

- Azza E.S. Ismail (Ph.D.)

Thesis entitled "Synthesis of Some Quinazolinone Derivatives Fused or Non-fused to Heterocyclic Rings of Potential Biological Activity", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: August 2013.

- Marwa H. El-Wakil (Ph.D.).

Thesis entitled "Computer-Aided Drug Design, Synthesis and Biological Evaluation of Some New 1,2,4-Triazines as Potential Antitumor Agents", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: November 2016

- Salma Abdelaziz Darwish, (Master)

Thesis entitled "Design, synthesis and biological investigations of some 2-pyridones and related derivatives", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: March 2016

➤ Gina Mohamed Tageldin (Master)

Thesis entitled "Design and Synthesis of some novel pyrazole derivatives of biological interest", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: October 2016

➤ Gina Mohamed Tageldin (PhD)

Thesis entitled "Design, Synthesis and biological evaluation of some novel pyrimidine derivatives as anticancer agents, Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: 2019

➤ Ola Mohamed Elsayed Ismail (Master)

Thesis entitled "Design and synthesis of new heterocyclic compounds of potential anticancer activity", Faculty of Pharmacy, Alexandria University, Egypt.

Degree awarded: May 2024

➤ Mariam Salah

Thesis entitled "Design, synthesis and evaluation of some novel Pyrazolo[3,4-d]pyrimidines of possible biological activities", Faculty of Pharmacy, Alexandria University, Egypt.

In progress

Conferences:

- 1) The Fourth Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut University, Assiut, March 6-7, 2004.
Poster presentation entitled: "*Novel pyrazole derivatives as potential promising anti-inflammatory antimicrobial agents*", A.A. Bekhit, **Hayam M.A. Ashour** and A.A. Guemei.
- 2) The sixth AFMC International Medicinal Chemistry Symposium, Istanbul, Turkey, 8-11 July 2007.

- Poster presentation entitled: "*Design and synthesis of novel substituted tetrazoles as a new class of antifungal agents*", Heba A. Abdel Razik, Sherif A. F. Rostom, **Hayam M. A. Ashour**.
- 3) The sixth AFMC International Medicinal Chemistry Symposium, Istanbul, Turkey, 8-11 July 2007.
Poster presentation entitled: "*Synthesis and biological evaluation of novel pyrazole derivatives as anti-inflammatory antimicrobial agents*", Adnan A. Bekhit, **Hayam M. A. Ashour**, Alaa E. A. Bekhit and Salma A. Bekhit.
- 4) The 11th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry (ISIC), Cairo, December 13-16, 2008.
Poster presentation entitled: "*Synthesis and biological evaluation of novel pyrimidines with anticipated antimicrobial and anticancer activities*", Heba A. Abdel Razik, Sherif.A.F. Rostom, **Hayam M.A. Ashour**.
- 5) The World Congress of Pharmacy and Pharmaceutical Sciences, 68th International Congress of FTP (Reengineering Pharmacy Practice in a Changing World), Basel, Switzerland, August 29th – September 4th, 2008.
Poster presentation entitled: "*Design and synthesis of some thiadiazolyl antipyrine derivatives with anticipated dual anti-inflammatory -antimicrobial activity*", Mona H. Badr, Sherif A. F. Rostom, **Hayam M. A. Ashour**, Heba A. Abdel Razik.
- 6) The 1st International Conference of Quality Assurance and Accreditation Center, Cairo, 15 April **2008**.
- 7) The 11th Ibn Sina International Conference On Pure and Applied Heterocyclic Chemistry, Cairo, December 13-16, 2008.
Poster presentation entitled: "*Synthesis and biological evaluation of novel pyrazoles and pyrazolo [3,4-d]pyrimidines incorporating benzenesulfonamide moiety*", **Hayam M. A. Ashour**, and Abeer E. Abdel Wahab.
- 8) Recent advances in Pharmaceutical research and Technology, Beirut, Lebanon, 6-7 May **2010**
- 9) The 3rd International IUPAC Conference on Green Chemistry, Ottawa, Canada, 15-18 August 2010.
Poster presentation entitled: "*Synthesis of certain polymethoxylated chalcones and some derived heterocyclic ring systems with*

- anticipated anticancer and antimicrobial activities"*, Mona H. Badr, **Hayam M.A. Ashour**, Heba A. Abdel Razik, Sherif A.F. Rostom.
- 10) The 1st International Conference on Science Diplomacy and Development in Chemistry, Alexandria, Egypt, 24-26 November 2012.
Poster presentation entitled: *"Synthesis and Pharmacological evaluation of some 4-(5-amino-4-substituted-1H-pyrazol-1-yl)benzenesulfonamide derivatives as anti-inflammatory agents"*, **Hayam M. A. Ashour**.
- 11) The 12th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry, Luxor, Egypt, 16-19 February 2013.
Poster presentation entitled: *"Synthesis and biological investigation of some pyrazolo[5,1-b]quinazolin-9(4H)-ones as anti-inflammatory and anti-microbial agents"*, Farid S. Gabra, Ali A. Hazaa, Ahmed H. Moustafa, **Hayam M. Ashour**, Azza E.-S. Ismail.
- 12) The 3rd International Conference on Organic Chemistry (ICOC-2014) Organic Synthesis-Driving Force of Life Development, Tbilisi, Georgia, 25-28 September, 2014.
Two poster presentations entitled:
"Synthesis of some new amide-linked bipyrazoles and their evaluation as antiinflammatory, analgesic and antimicrobial agents", **Hayam M. Ashour**, Rasha Y. Elbayaa, Hanan M. Ragab, Asser I. Ghoneim, Mohamed Mroueh, Wissam faour.
"Novel 1,5-Diphenyl-6-substituted pyrazolo[3,4-d]pyrimidin-4-ones induced apoptosis in colon cancer RKO cells via targeting mitochondrial pathway", Ahmed malki, **Hayam M. Ashour**, Doaa A. E. Issa, Rasha Y. Elbayaa, Hassan A. Aziz, Xiaozhuo Chen.
- 13) First International Conference on Applied Chemistry (ICAC 2015), Jeddah, Kingdom of Saudi Arabia, 18-19 November 2015.
Poster presentation entitled: *Novel 3-cyano-2-substituted pyridines induced apoptosis in human MCF- 7 breast cancer cells*, Ahmed Malki, Omaila Shaban, Ola Rizk, **Hayam Ashour**.
- 14) ICPCB 2017: 19th International Conference on Medicinal Chemistry and Biopharmaceutics, London, England, 19-20 January.
Poster presentation entitled: " Design, synthesis and evaluation of some pyrazolo[3,4-d]pyrimidines as anti-inflammatory agents", Gina N. Tageldin, Salwa M. Fahmy, **Hayam M. A. Ashour** , Mounir A. Khalil , Rasha A. Nassra, Ibrahim M. Labouta.

- 15) International conference of pharmaceutical and healthcare sciences, Alexandria, Egypt, 6-7 November 2019.

Workshops:

- Course specification workshop, Faculty of Pharmacy, Alexandria University, Egypt, June 2008.
- Course report workshop, Faculty of Pharmacy, Alexandria University, Egypt, June 2008.

Training Courses:

- **Effective presentation skills**
Faculty of Education, Alexandria University.
- **Code of ethics P4**
December 2004, Faculty and Leadership Development project (FLDP), leadership development center, Alexandria University.
- **Thinking skills**
December 2004, Faculty and Leadership Development project (FLDP), leadership development center, Alexandria University.
- **Research management T5**
April 2005, Faculty and Leadership Development project (FLDP), leadership development center, Alexandria University.
- **New trends in teaching T2**
May 2005, Faculty and Leadership Development project (FLDP), leadership development center, Alexandria University.
- **Teaching with Technology (T3)**
June 2007, Faculty and Leadership Development Center (FLDC), Alexandria University.
- **Preparing research project (R3)**
June 2007, Faculty and Leadership Development Center (FLDC), Alexandria University.
- **Curriculum Design (T4)**

- June 2007, Faculty and Leadership Development Center (FLDC), Alexandria University.
- **Crisis and Disaster Management**
May 2015, Faculty and Leadership Development Center (FLDC), Alexandria University.
 - **Student Evaluation and Examination Techniques**
May 2015, Faculty and Leadership Development Center (FLDC), Alexandria University.
 - **Decision-making and problem-solving**
June 2015, Faculty and Leadership Development Center (FLDC), Alexandria University.
 - **Organizing Scientific Conferences**
June 2015, Faculty and Leadership Development Center (FLDC), Alexandria University.
 - **E-learning**
June 2015, Faculty and Leadership Development Center (FLDC), Alexandria University.

Publications:

- 1) Novel Analogs of 2-Amino-4-aryl or pyridylthiazole: Potential Ligands for H⁺/K⁺-ATPase, Ragab M. Shafik, Shams A. Shams EL-Dine, Nabil H. Eshba, Soaad A. M. El-Hawash, Mahmoud Morshedy, **Hayam M.A. Ashour**, Alex. J. Pharm. Sci. **1999**, 13, 85-92.
- 2) Synthesis of New Analogs of 2-Imino-4-phenyldihydrothiazoles and 2-[(2-amino-2-phenyl)ethyl]-1H-benzimidazoles: Potential Antiulcer agents, Ragab M. Shafik, Shams A. Shams El-Dine, Nabil H. Eshba, Soaad A.M. El-Hawash, Mohamed A. El-Sebai, **Hayam M. A. Ashour**, Bull. Fac. Pharm. Cairo Univ. **2004**, 42, 259-269.
- 3) Synthesis of Novel 2-[2-(substituted amino)phenethyl]-1H-benzimidazoles; 3,4-dihydro and 1,2,3,4-tetrahydropyrimido[1,6-a]benzimidazoles as potential antiulcer agents, Ragab M. Shafik, Shams A. Shams El-Dine, Nabil H. Eshba, Soaad A.M. El-Hawash, Mohamed A. Desheesh, Ahmed S. Abdel-Aty, **Hayam M.A. Ashour**, Pharmazie **2004**, 59, 899-905.

- 4) Novel pyrazole derivatives as potential promising anti-inflammatory antimicrobial agents, A.A. Bekhit, **Hayam M.A. Ashour** and A. A. Guemai, *Arch. Pharm. Chem. Life Sci.* **2005**, 338, 167-174.
- 5) Synthesis and biological evaluation of some thiazolyl and thiadiazolyl derivatives of 1H-pyrazole as anti-inflammatory antimicrobial agents, A.A. Bekhit, **Hayam M.A. Ashour**, Y.S. Abdel Ghany, A.E.A. Bekhit and A. Baraka, *Eur. J. of Med. Chem.* **2008**, 43, 456-463.
- 6) Azole antimicrobial pharmacophore-based tetrazoles : synthesis and biological evaluation as potential antimicrobial and anticonvulsant agents, S.A.F. Rostom, **Hayam M.A. Ashour**, H.A. Abdel Razik, A.H Abdel-Fattah and N.N. El-Din, *Bioorg. & Med. Chem.* **2009**, 17, 2410-2422.
- 7) Design and synthesis of some thiazolyl and thiadiazolyl derivatives of antipyrine as potential non-acidic anti-inflammatory Analgesic and Antimicrobial Agents, S.A.F. Rostom, I.M. El-Ashmawy, H.A. Abdel Razik, M.H. Badr and **Hayam M.A. Ashour**, *Bioorg. & Med. Chem.* **2009**, 17, 882-895.
- 8) Synthesis and biological evaluation of novel pyrazoles and pyrazolo [3,4-d]pyrimidines incorporating a benzenesulfonamide moiety, **Hayam M.A. Ashour**, and A.E. Abdel Wahab, *Arch. Pharm. Chem. Life Sci.* **2009**, 342, 238-252.
- 9) Synthesis and biological evaluation of novel pyrazole derivatives as anti-inflammatory antimicrobial agents, A.A. Bekhit, **Hayam M.A. Ashour**, A.E.A. Bekhit and S.A. Bekhit, *Med. Chem.* **2009**, 5, 103-117.
- 10) Synthesis of some pyrazolylbenzenesulfonamide derivatives as anti-inflammatory antimicrobial agents, A.A. Bekhit, **Hayam M.A. Ashour**, H.M. Abdel Rahman and S.A. Bekhit, *J. Enz. Inh. and Med. Chem.* **2009**, 24, 296-309.
- 11) Synthesis and Biological Evaluation of Some Novel Poly substituted Pyrimidine Derivatives as Potential Antimicrobial and Anticancer Agents, Sherif A. F. Rostom, **Hayam M. A. Ashour**, and Heba A. Abd El Razik, *Arch. Pharm. Chem. Life Sci.* **2009**, 342, 299 – 310.
- 12) Synthesis and biological evaluation of some novel polysubstituted Pyrimidine Derivatives as Potential Antimicrobial and Anticancer

- Agents, S.A.F. Rostom, **Hayam M.A. Ashour**, H.A. Abdel Razik, Arch. Pharm. Chem. Life Sci. **2011**, 344, 572-587.
- 13) Synthesis of some (E)-6-[2-(furan-2-yl)ethenyl]-1,2,4-triazin-5-ones and their biological evaluation as antitumor agents, **Hayam M. Ashour**, Marwa H. El-Wakil, Mounir A. Khalil, Khadiga A. Ismail, Ibrahim M. Labouta, Med. Chem. Res. **2013**, 22, 1909-1924.
 - 14) Synthesis and biological evaluation of thieno [2',3':4,5] pyrimido [1,2-b][1,2,4]triazines and thieno[2,3-d] [1,2,4] triazolo[1,5-a] pyrimidines as anti-inflammatory and analgesic agents, **Hayam M. Ashour**, Oaima G. Shaaban, Ola H. Rizk, Ibrahim M. El-Ashmawy, Eur. J. of Med. Chem. **2013**, 62, 341-351.
 - 15) Novel thiosemicarbazides induced apoptosis in human MCF-7 breast cancer cells via JNK signaling, Ahmed Malki, Rasha Y. Elbayaa, **Hayam M.A. Ashour**, Christopher A. Loffredo, and Amal M. Youssef, J. Enzyme Inhib. Med. Chem., **2015**, 30, 786–795.
 - 16) Synthesis and pharmacological evaluation of new pyrazolyl benzenesulfonamides linked to polysubstituted pyrazoles and thiazolidinones as anti-inflammatory and analgesic agents, **Hayam M. A. Ashour**, Ibrahim M. El-Ashmawy, Aida E. Bayad, Monatsh Chem **2016**, 147, 605-618.
 - 17) Novel 1,5-diphenyl-6-substituted 1H-pyrazolo[3,4-d] pyrimidin-4(5H)-ones induced apoptosis in RKO colon cancer cells, Ahmed Malki, **Hayam M. A. Ashour**, Rasha Y. Elbayaa, Doaa A. E. Issa, Hassan A. Aziz, Xiaozhuo Chen, J. Enzyme Inhib. Med. Chem., **2016**, 31, 1286-1299.
 - 18) Synthesis of some new amide-linked bipyrazoles and their evaluation as anti-inflammatory and analgesic agents, Wissam H. Faour, Mohamed Mroueh, Costantine F. Daher, Rasha Y. Elbayaa, Hanan M. Ragab, Asser I. Ghoneim, Ahmed I. El-mallah, **Hayam M. A. Ashour**, J. Enzyme Inhib. Med. Chem., **2016**, 31, 1079-1094.
 - 19) New 3-Cyano-2-Substituted Pyridines Induce Apoptosis in MCF 7 Breast Cancer Cells, Ahmed Malki, Mona Mohsen, Hassan Aziz, Ola Rizk, Omima Shaban, Mohamed El-Sayed, Zaki A. Sherif and **Hayam Ashour**, Molecules **2016**, 21, 230; doi:10.3390/molecules21020230

- 20) 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**, Amal Galal, Asser I. Ghoneim, Hassan R. Haidar, *Monatsh Chem* **2016**, 147, 539-552.
- 21) 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, Costantine F. Daher, Hayam M. A. Ashour, Hanan M. Ragab, *Chem. Biol. Drug Des.* **2017**, 90, 83-96.
- 22) Target identification, lead optimization and antitumor evaluation of some new 1,2,4-triazines as c-Met kinase inhibitors, Marwa H. El-Wakil , **Hayam M. A. Ashour**, Manal N. Saudi, Ahmed M. Hassan, Ibrahim M. Labouta, *Bioorg. Chem.* **2017**, 73, 154-169.
- 23) Structure-based development of novel triazoles and related thiazolotriazoles as anticancer agents and Cdc25A/B phosphatase inhibitors. Synthesis, in vitro biological evaluation, molecular docking and in silico ADME-T studies, S.A.F. Rostom, M.H. Badr, H.A. Abdel Razik, **Hayam M. A. Ashour**, *Eur. J. Med. Chem.* **2017**, 139, 263-279.
- 24) Design, synthesis and molecular modeling studies of new series of antitumor 1,2,4-triazines with potential c-Met kinase inhibitory activity, Marwa H. El-Wakil , **Hayam M. A. Ashour**, Manal N. Saudi, Ahmed M. Hassan, Ibrahim M. Labouta, *Bioorg. Chem.* **2018**, 76, 154-165.
- 25) Design, synthesis and evaluation of some pyrazolo[3,4-d]pyrimidines as anti-inflammatory agents, Gina N. Tageldin, Salwa M. Fahmy, **Hayam M. A. Ashour** , Mounir A. Khalil , Rasha A. Nassra, Ibrahim M. Labouta, *Bioorg. Chem.* **2018**, 78, 358-371.
- 26) Design, synthesis and evaluation of some pyrazolo[3,4-d]pyrimidine derivatives bearing thiazolidinone moiety as anti-inflammatory agents, Gina N. Tageldin, Salwa M. Fahmy, **Hayam M.A. Ashour** , Mounir A. Khalil , Rasha A. Nassra, Ibrahim M. Labouta, *Bioorg. Chem.* **2018**, 80, 164-173.
- 27) Design and synthesis of novel thioethers derived from 1,5-Diphenyl-6-thioxo-6,7-dihydro-1*H*-pyrazolo[3,4-d]pyrimidin-4(5*H*)- ones as antiangiogenic agents, Ahmed Malki, Doaa A.E.

Issa, Rasha Y. Elbayaa, and **Hayam M.A. Ashour**, Lett. Drug Disc. Des. **2018**, 16, 200-212.

- 28) Potential anticancer agents: Design, synthesis of new pyrido[1,2-a]benzimidazoles and related derivatives linked to alkylating fragments, Salma A. Z. Darwish, Rasha Y. Elbayaa, Hayam M. A. Ashour, Mounir A. Khalil and Elsayed A.M. Badawey, Med. Chem. **2018**, 8(4): 86, DOI: [10.4172/2161-0444.1000498](https://doi.org/10.4172/2161-0444.1000498)
- 29) Synthesis, modeling and biological evaluation of some pyrazolo[3,4-d]pyrimidinones and pyrazolo [4,3-e][1,2,4] triazolo[4,3-a]pyrimidinones as anti-inflammatory agents, Gina N. Tageldin, Tamer M. Ibrahim, Salwa M. Fahmy, **Hayam M. A. Ashour** , Mounir A. Khalil , Rasha A. Nassra, Ibrahim M. Labouta, Bioorg. Chem. **2019**, 90, 102844.
- 30) Discovery of a novel DNA binding agent via design and synthesis of new thiazole hybrids and fused 1,2,4-triazines as potential antitumor agents: Computational, spectrometric and *in silico* studies, Marwa H. El-Wakil, Amira F. El-Yazby, **Hayam M. A. Ashour**, Mounir A. Khalil, Khadiga A. Ismail, Ibrahim M. Labouta, Bioorg. Chem. **2019**, 90, 103089.
- 31) Combination of magnetic targeting with synergistic inhibition of NF- κ B and glutathione via micellar drug nanomedicine enhances its anti-tumor efficacy, Kholod A Elhasany, Sherine N Khattab, Adnan A Bekhit, Doaa M Ragab, Mohammad A Abdulkader, Amira Zaky, Maged W Helmy, **Hayam M.A. Ashour**, **Mohamed** Teleb, Nesreen S Haiba, Ahmed O Elzoghby, European Journal of Pharmaceutics and Biopharmaceutics **2020**, 155, 162-176.
- 32) Pharmacokinetics, MDS, and ADME of Spirooxindole-Pyrrolidines Embedded with Pyrazole Heterocycleas α -Amylase Inhibitor and Potential Cytotoxic Compounds, Mohammad S. Islam, Abdullah M. Al-Majid, Fardous F. El-Senduny, Farid A. Badria, Zahida Parveen, Nabeela Ravaiz, Abdul Wadood, Amar Ajmal, Sammer Yousuf, Ghulam Murtaza, Sherif Ramadan, **Hayam M.A. Ashour**, Assem Barakat, Journal of biological regulators and homeostatic agents, **2024**, 38(2), 935-956.

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Association& Committee memberships/Activities:

- Active member of Quality Assurance and Accreditation Project (QUAAP), and Continuous Improvement and Qualifying for

Accreditation Project (CIQAP), Faculty of Pharmacy, Alexandria University, Egypt.

- Member of General Syndicate of Pharmacists, Egypt, 1993-present.