



Assiut University

Faculty of Pharmacy

Curriculum Vitae

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- ❖ **Title:** Professor of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt
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- ❖ **Sex:** Male
- ❖ **Marital Status:** Married with 4 children.
- ❖ **Academic Qualifications:**
 - **May 2000:** Bachelor of Pharmaceutical Sciences, Assiut University, Assiut, Egypt.
 - **Apr 2005:** Master Degree of Pharmaceutical Sciences (Pharm. Org. Chemistry), Assiut University, Assiut, Egypt.
 - **Jan 2012:** Ph.D. of Pharm. Chem., Faculty of Pharmacy, Assiut university, Assiut, Egypt, and Gifu Pharmaceutical University, Gifu, Japan, under the joint channel system supervision.

Employment History:

- **2000 to 2005:** Demonstrator in the Department of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **2005-2008:** Assistant Lecturer in the Department of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **2008-2011:** Researcher at the Medicinal and Pharmaceutical Chemistry Department, Gifu Pharmaceutical University, Gifu, Japan.
- **2011-2012:** Assistant Lecturer in the Department of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **2012-8/2014:** Assistant Professor in the Department of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **8/2014-5/2019:** Assistant Professor in the Department of Pharmaceutical Chemistry, College of Pharmacy, Jouf University, Aljouf, Saudi Arabia
- **8/2014-5/2019:** Head of the quality control and accreditation unit at College of Pharmacy, Jouf University, Aljouf, Saudi Arabia
- **2015-2018:** Supervisor of clinical pharmacy department, College of Pharmacy, Jouf University, Aljouf, Saudi Arabia
- **7/2017-7/2022:** Associate Professor of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- **8/2022:** **Professor** of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt.



Experiences:

- **Demonstrator** in the Department of Pharm. Org. Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt from Oct. 2000 till Apr. 2005.
- **Assistant Lecturer** for Basic Organic and Pharmaceutical Chemistry, From Apr-2005.
- **Lecturer** for Basic Organic and Pharmaceutical Chemistry, From Jan-2012
- **Associate Professor** for Basic Organic and Pharmaceutical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, from July-2017
- **Professor** for Basic Organic and Pharmaceutical Chemistry, Faculty of Pharmacy, Assiut University, Assiut, Egypt, from 22/8/2022

❖ **Previous Studies:**

- **During High School:** Physics, Chemistry, Biology, English, Social Studies, Mathematics.
- **During Collage:** Inorganic Chemistry, Zoology, Pharmacology, Public Health, First Aid, Physics, Botany, Microbiology, Toxicology, Industrial Pharmacy, Physiology, Analytical Chemistry, Pharmaceutics, Organic Chemistry, Pharmaceutical Chemistry, Basic Medical and Clinical Biochemistry, general and Applied Pharmacognosy.
- **Postgraduate Courses:** Physical Chemistry, Mathematics and Statistics, Instrumental Analysis, Laboratory Safety and Waste Disposal, Advanced Pharmaceutical organic chemistry, Spectroscopy.

❖ **Language level:**

- International toefl score = 210 $\approx$ (570).

❖ **Computer Skills:**

International computer driving liscence (ICDL) from the information technology center, Assiut university, Egypt.

❖ **References:**

Prof. Dr. Mohamed Abdel-Aziz, Dean and Prof. of Medicinal Chemistry, Department of Medicinal Chemistry, Faculty of pharmacy, Minia University, Minia, Egypt.

Prof. Dr. Mostafa A. Hussein, Chairman and Prof. of Pharm. Org. Chemistry, Department of Pharm. Org. Chemistry, Faculty of pharmacy, Assiut University, Assiut, Egypt.

List of Publications:

- 1- **Bahaa G. Mohamed**, Abdel-Alim M. Abdel-Alim, Mostafa A. Hussein. Synthesis of 1-acyl-2-alkylthio-1,2,4-triazolobenzimidazoles with antifungal, antiinflammatory and analgesic effects., *Acta Pharm.* 56 (2006) 31-48.
- 2- **Bahaa G. Mohamed**, Mostafa A. Hussein, Abdel-Alim M. Abdel-Alim and Mohamed Hashem. Synthesis and Antimicrobial Activity of Some New 1-alkyl-2-alkylthio-1,2,4-Triazolobenzimidazole Derivatives *Arch Pharm Res.* 29 (2006) 26-33.
- 3- **Bahaa G. M. Youssif**, Kensuke Okuda, Ola I. Abdel Razek, Alaa M. Hayallah, Mostafa A. Hussein, Tetsuya Kadonosono, Shinae Kondoh, and Hideko Nagasawa. Development of a Hypoxia-selective Near-infrared Fluorescent Probe for Non-Invasive Tumor Imaging. *Chem. Pharm. Bull.* 60 (2012) 402-407.
- 4- Kensuke Okuda, Yasuyuki Okabe, Tetsuya Kadonosono, Takahiro Ueno, **Bahaa G. M. Youssif**, Shinae Kizaka-Kondoh, and Hideko Nagasawa. 2-Nitroimidazole-Tricarbocyanine Conjugate as a Near-infrared Fluorescent Probe for in Vivo Imaging of Tumor Hypoxia. *Bioconjugate Chem.* 23 (2012) 324-329.
- 5- **Bahaa G. M. Youssif**, Synthesis, and biological evaluation of some new coumarin derivatives as antimicrobial agents. *Bull. Pharm. Sci., Assiut University* 36 (2013) 105-116.
- 6- **Bahaa G. M. Youssif**, Samia Galal Abdel-Moty and Ibrahim M. Sayed. Synthesis and biological evaluation of some novel 1,2,3-triazol-*N*-arylidene acetohydrazide incorporating benzimidazole ring moiety as potential antimicrobial agents, *J. current chemical and Pharmaceutical Science* 4 (2014) 54-64
- 7- **Bahaa G. M. Youssif**, Mostafa H. Abdelrahman. Synthesis and Biological Evaluation of Some New 1,2,3-Triazole Derivatives As Anti-Microbial Agents. *Journal of advances in chemistry* 11 (2015) 3472-3484.
- 8- Mohammed A. I. Elbastawesya, **Bahaa G. M. Youssif**, Mostafa H. Abdelrahmana and Alaa M. Hayallah. Synthesis and biological evaluation of some new coumarin derivatives as potential antimicrobial, analgesic and anti-inflammatory agents. *Der Pharma Chemica*, 7 (2015), 337-349.
- 9- **Bahaa G. M. Youssif**, Yaseen A. M. M. Elshaier, Hajjaj H. M. Abdu-Allah, Mohammed T.A. Salim, Fuyuhiko Inagak, Chisat Mukai. Synthesis of some benzimidazole derivatives endowed with 1,2,3-triazole as potential inhibitors of hepatitis C virus. *Acta Pharmaceutica* 66 (2016) 219-231.

- 10- Mostafa H. Abdelrahman, Ahmed S. Aboraia, **Bahaa G. M. Youssif**, Bakheet E. M. Elsadek. Design, Synthesis and Pharmacophoric Model Building of New 3-Alkoxyethyl / 3-Phenyl indole-2-carboxamides with Potential Antiproliferative Activity. *Chem Biol Drug Des.* 90 (2017) 64-82
- 11- Mostafa H. Abdelrahman, **Bahaa G. M. Youssif**, Mohamed A. abdelgawad, Ahmed H. Abdelazeem, Hussein M. Ibrahim, Abd El Ghany A. Moustafa, Laurent Treamblu, Syed Nasir Abbas Bukhari. Synthesis, Biological Evaluation, Docking Study and Ulcerogenicity Profiling of Some Novel Quinoline-2-Carboxamides as Dual COXs/LOX Inhibitors Endowed with Anti-Inflammatory Activity. *European Journal of Medicinal Chemistry* 127 (2017) 972-985
- 12- Hua-Li Qin, Jing Leng, **Bahaa G. M. Youssif**, Muhammad Wahab Amjad, Maria Abdul Ghafoor Raja, Muhammad Ajaz Hussain, Zahid Hussaine, Syed Nasir Abbas Bukhari. Synthesis and mechanistic studies of curcumin analogs based oximes as potential anticancer agents: *Chem Biol Drug Des.* 90 (2107) 443-449
- 13- Hajjaj H. M. Abdu-Allah, **Bahaa G. M. Youssif**, Mostafa H. Abdelrahman, Mohammed K. Abdel-Hamid, Rudraraju Srilakshmi Reshma, Perumal Yogeewari, Tarek Aboul-Fadl, Dharmarajan Sriram. Synthesis and anti-mycobacterial activity of 4-(4-phenyl-1H-1,2,3-triazol-1-yl) salicylhydrazones: revitalizing an old drug *Archieve of Pharmacal Research* 40 (2017) 168-179.
- 14- Muhammad Tahir Haseeb, Muhammad Ajaz Hussain, Khawar Abbas, **Bahaa G. M. Youssif**, Sajid Bashir, Soon Hong Yuk, Syed Nasir Abbas Bukhari. Linseed hydrogel mediated green synthesis of silver nanoparticles for antimicrobial and wound dressing applications. *International Journal of Nanomedicine* 12 (2017) 2845-2855.
- 15- Gao-Feng Zha, Hua-Li Qin, **Bahaa G.M. Youssif**, Muhammad Wahab Amjad, Maria Abdul Ghafoor Raja, Ahmed H. Abdelazeem, Syed Nasir Abbas Bukhari. Discovery of potential anticancer multi-targeted ligustrazine based cyclohexanone and oxime analogs overcoming the cancer multidrug resistance. *European Journal of Medicinal Chemistry* 135 (2017) 34-48.
- 16- Ahmed H. Abdelazeem, Mohammed T. El-Saadi, EmanGaber, **Bahaa G.M. Youssif**, Hany A. Omarand Samir M. El-Moghazy. Novel Diphenylthiazole Derivatives with Multi-Target Mechanism: Synthesis, Docking study, Anticancer and Anti-Inflammatory Activities, *Bioorganic chemistry* 75 (2017) 127-138.

- 17- Hany A.M. El-Sherief , **Bahaa G.M. Youssif**, Syed Nasir Abbas Bukhari, Mohamed Abdel-Aziz, Hamdy M. Abdel-Rahman. Novel 1,2,4-triazole derivatives as potential anticancer agents: Design, synthesis, molecular docking and mechanistic studies *Bioorganic chemistry* 76 (2018) 314-325.
- 18- **Bahaa G. M. Youssif**, Mostafa H. Abdelrahman, Ahmed H. Abdelazeem , Mohamed A. abdelgawad, Hussein M. Ibrahim, Ola I. A. Salem, Mamdouh F. A. Mohamed, Laurent Treambly, Syed Nasir Abbas Bukhari. Design, synthesis, mechanistic and histopathological studies of small-molecules of novel indole-2-carboxamides and pyrazino[1,2-a]indol-1(2*H*)-ones as potential anticancer agents effecting the reactive oxygen species production, *European Journal of Medicinal Chemistry* 146 (2018) 260-273.
- 19- Mohammad M. Al-Sanea, Mohammed Safwan Ali Khan, Ahmed Z. Abdelazem, So Ha Lee, Pooi Ling Mok, Mohammed Gamal, Mohamed E. Shaker, Muhammad Afzal, **Bahaa G. M. Youssif** and Nesreen Nabil Omar. Synthesis and In Vitro Antiproliferative Activity of New 1-Phenyl-3-(4-(pyridin-3-yl)phenyl)urea Scaffold-Based Compounds, *Molecules* 23 (2108) 297-309.
- 20- Hany A. M. El-Sherief, **Bahaa G. M. Youssif**, Ahmed H. Abdelazeem, Mohamed Abdel-Aziz, Hamdy M. Abdel-Rahman. Design, Synthesis and Antiproliferative Evaluation of Novel 1,2,4-Triazole/Schiff Base Hybrids with EGFR and B-RAF Inhibitory Activities. *Anticancer agents in medicinal chemistry* 19 (2019) 697-706
- 21- Mahmoud S. Abdelbaset, Gamal El-Din A. Abuo-Rahma, Mostafa H. Abdelrahman, Mohamed Ramadan, **Bahaa G.M. Youssif** , Syed Nasir Abbas Bukhari, Mamdouh F. A. Mohamed, Mohamed Abdel-Aziz. Novel pyrrol-2(3*H*)-ones and pyridazin-3(2*H*)-ones carrying quinoline scaffold as anti-proliferative tubulin polymerization inhibitors. *Bioorganic Chemistry* 2018, 80: 151-163.
- 22- Hany A. M. El-Sherief, **Bahaa G. M. Youssif**, Syed Nasir Abbas Bukhari, Ahmed H. Abdelazeem, Mohamed Abdel-Aziz, Hamdy M. Abdel-Rahman. Synthesis, anticancer activity and molecular modeling studies of 1,2,4-triazole derivatives as EGFR inhibitors: *European Journal of Medicinal Chemistry* 2018, 156: 774-789.
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- 26- **Bahaa G.M. Youssif**, Mamdouh F.A. Mohamed, Mohammad M. Al-Sanea, Amr H. Moustafa, Antar A. Abdelhamid, Hesham A.M. Gomaa. Novel aryl carboximidamide and 3-aryl-1,2,4-oxadiazole analogues of naproxen as dual selective COX-2/15-LOX inhibitors: Design, synthesis and docking studies. **Bioorganic Chemistry** 2019; 85: 577-584.
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- 35- Mohammad M Al-Sanea, Lizaveta Gotina, Mamdouh FA Mohamed, Della Grace Thomas Parambi, Hesham A M Gomaa, Bijo Mathew, **Bahaa G M Youssif**, Khalid Saad Alharbi, Zainab M Elsayed, Mohamed A Abdelgawad, Wagdy M Eldehna: Design, Synthesis and Biological Evaluation of New HDAC1 and HDAC2 Inhibitors Endowed with Ligustrazine as a Novel Cap Moiety. **Drug design development and therapy** 2020; **14**, 497–508.
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- 37- Adel A. Marzouk, Salah A. Abdel-Aziz, Kamal S. Abdelrahman, Amira S. Wanas, Ahmed M. Gouda, Bahaa G. M. Youssif, Mohamed Abdel-Aziz: Design and synthesis of new 1,6-dihydropyrimidin-2-thio derivatives targeting VEGFR-2: molecular docking and antiproliferative evaluation. **Bioorganic Chemistry**, 2020; **102**, 104090.
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dihydropyrazino[1,2-a]indole-1,4-dione derivatives as antiproliferative EGFR and BRAF^{V600E} dual inhibitors. **Bioorganic Chemistry**, 2020; 104, 104260.

39- Hesham A. M. Gomaa, Hany A. M. El-Sherief, Shaimaa Hussein, Ahmed M. Gouda, Ola I. A. Salem, Khalid Saad Alharbi, Alaa M. Hayallah, **Bahaa G. M. Youssif**: Novel 1,2,4-triazole derivatives as apoptotic inducers targeting p53: synthesis and antiproliferative activity. **Bioorganic Chemistry** 105 (2020) 104369.

40- Mohamed Ramadan, Mohamed Abd El-Aziz, Yassin A. M. M. Elshaier, **Bahaa G.M. Youssif**, Alan B. Brown, Hazem M. Fathy, Ashraf A. Aly: Design and synthesis of new pyranoquinolinone heteroannulated to triazolopyrimidine of potential apoptotic antiproliferative activity. **Bioorganic Chemistry** 105 (2020) 104392.

41- Mostafa A. Hussein and **Bahaa G. M. Youssif**: Synthesis of Some New 1, 2-Disubstituted-1, 2,4-Triazolobenzimidazoles with Antifungal and Anti-Inflammatory Effects. International Journal of Pharma Sciences and Scientific Research 2020; 6(5)

42- Aliaa M. Mohassab, Heba A. Hassan, Dalia Abdelhamid, Ahmed M. Gouda, Bahaa G. M. Youssif, Hiroshi Tateishi, Mikako Fujita, Masami Otsuka, Mohamed Abdel-Aziz: Design and Synthesis of Novel quinoline/chalcone/1,2,4-triazole hybrids as potent antiproliferative agent targeting EGFR and BRAF^{V600E} kinases. **Bioorganic Chemistry** 106 (2021) 104510.

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- 48- Amany M.M. AL-Mahmoudy, Alaa N. Hassan, Tarek S. Ibrahim, **Bahaa G. M. Youssif**, Ehab S. Taher, Mohamed A. Tantawy, Eatedal H. Abdel-Aal, Nermine A. Osman. Novel benzyloxyphenyl pyrimidine-5-carbonitrile derivatives as potential apoptotic antiproliferative agents. **Anticancer agents in medicinal chemistry**, **21** (2021) 1-7.
- 49- Mohammed A. I. Elbastawesy, Martha M. Morcoss, Mostafa H. Abdelrahman, **Bahaa G. M. Youssif**, Alaa M. Hayallah. Synthesis, biological evaluation and *in silico* ADME predictions of some new coumarin-acetamide derivatives as potent anti-inflammatory agents. **Bulletin of Pharmaceutical Sciences**, **2021**.
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- 51- Aliaa M. Mohassab, Heba A. Hassan, Dalia Abdelhamid, Ahmed M. Gouda, Hesham A.M. Gomaa, Bahaa G.M. Youssif, Mohamed O. Radwan, Mikako Fujita, Masami Otsuka, Mohamed Abdel-Aziz, New quinoline/1,2,4-triazole hybrids as dual inhibitors of COX-2/5-LOX and inflammatory cytokines: Design, synthesis, and docking study, **Journal of Molecular Structure** **1244** (2021) 130948.
- 52- Lamya H. Al-Wahaibi, Bahaa G. M. Youssif, Ehab S. Taher, Ahmed H. Abdelazeem, Antar A. Abdelhamid, Adel A. Marzouk, Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Tri-Aryl Imidazole-Benzene Sulfonamide Hybrids as Promising Selective Carbonic Anhydrase IX and XII Inhibitors, **Molecules** **26** (2021) 4718
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carboxamides as selective COX-2/SEH inhibitors with analgesic, anti-inflammatory, and lower cardiotoxicity effects, **Bioorganic Chemistry** 116 (2021) 105302.

54- Lamy H. Al-Wahaibi, Ahmed Mostafa, Yaser A. Mostafa, Ola F. Abou-Ghadi, Ahmed H. Abdelazeem, Ahmed M. Gouda, Omnia Kutkat, Noura Mahrous, Mahmoud Shehata, Hesham A.M. Gomaa, Mostafa H. Abdelrahman, Fatma A. M. Mohamed, Xuyuan Gu, Mohamed A. Ali, Laurent Trembleau, **Bahaa G. M. Youssif**, Discovery of Novel Oxazole-Based Macrocycles as Anti-Coronaviral Agents Targeting SARS CoV-2 Main Protease. **Bioorganic Chemistry** 116 (2021) 105363.

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Conference Proceedings

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- 2- **Bahaa G. M. Youssif**, Kensuke Okuda, Takahiro Ueno, Yasuyuki Okabe, Satoshi Ueda, Tetsuya Kadonosono, Shinae Kondoh, and Hideko Nagasawa. Development of Near-infrared Fluorescent Probe for Non-invasive Imaging of Tumor Hypoxia. 130th Conference of the Pharmaceutical Society of Japan, Okayama, Japan, March 28-31, 2010.
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- 5- Assiut University 9th International Pharmaceutical Sciences Conference, Faculty of Pharmacy, Assiut, March 12th and 13th, 2014.
- 6- First International Conference on Preventing Dentistry, College of Dentistry, Aljouf University, Aljouf, Saudi Arabia April 7-9, 2015.
- 7- Novel Histone Deacetylase-2 (HDAC-2) Inhibitors: Design, Synthesis and Biological Evaluation: The annual meeting of SPS (SIPHA 2019), January 23-24, 2019, Jeddah, Saudi Arabia.

Reviewing

- Scientific Report
- Journal of Medicinal Chemistry
- European Journal of Medicinal Chemistry
- Bioorganic Chemistry
- Journal of Molecular Structure
- ACS Omega
- Molecules
- Current Medicinal Chemistry
- Arabian Journal of Chemistry
- Drug Design Development and Therapy
- Chemical Biology and Drug Design
- Current Organic Chemistry
- International Journal of Molecular Sciences
- Frontiers in Chemistry
- Future Medicinal Chemistry
- RSC Medicinal Chemistry
- Drug Development Research
- Journal of the Science of Food and Agriculture

Membership in international journals

- Editorial board Membership of **Current Organic Chemistry** Journal (IF = 2.226)
- Guest Editor for special issue (Pharmaceutical insight into triazoles: Recent Advances) in **Frontiers in Chemistry** Journal (IF = 5.545)
- Guest Editor for special issue (Recent Progress in Small Molecules Inhibitors as Cancer Targeted Therapy) in **Molecules** Journal (IF = 4.927)
- External reviewer of proposals submitted to the 2023 Regular Fondecyt National Projects Competition at the National Research and Development Agency (ANID) of the Ministry of Science, Technology, Knowledge, and Innovation of Chile.

Scientific Awards

- Ranked among the best 2% of the most influential scientists in the world according to the Stanford University Ranking for the year 2022.

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- Ranked among the best 2% of the most influential scientists in the world according to the Stanford University Ranking for the year 2024.