

Mohamed Elagawany

Professor of Pharmaceutical Chemistry, College of Pharmacy, Al-Ayen Iraqi University, Nasiriyah, Thi-Qar, Iraq



Personal Information

Address	Shawky elhawary street above alfath tours, Kotur, Gharbeya, Egypt.
Phone	00201022782214
Email	elagawany@pharm.dmu.edu.eg
ORCID	https://orcid.org/0000-0002-1597-5324
Scopus ID	55214997100
Date of Birth	07/08/1985
Place of Birth	Egypt
Nationality	

Education/Scientific Degrees

2013 | Ph.D. in Pharmaceutical Organic Chemistry

- Faculty of Pharmacy, Zagazig University (Collaborative PhD program between University of Florida, USA and Zagazig university, Egypt).
- Research Advisor: **Prof. A. R. Katritzky** and Prof. Said A.H. Elfeky.

2011 | M.Sc. in Pharmaceutical Organic Chemistry

- Faculty of Pharmacy, Al-Azhar University (Collaborative M.Sc. program between University of Strasbourg, France and Al-Azhar university, Egypt).
- Research Advisor: Dr. Adel Ghiaty, Dr. Martine Schmitt, Prof. Jean-Jacques Bourguignon.

2007 | B.Sc. in Pharmacy

- Faculty of Pharmacy, Misr University for Science and Technology.

Experience

2024 - present | professor, College of Pharmacy, Pharmaceutical Chemistry Department, Al-Ayen Iraqi University | Nasiriyah, Thi-Qar, Iraq.

- Taught under-graduate students Pharmaceutical chemistry courses;

2024 - present | Professor, Faculty of Pharmacy, Pharmaceutical Chemistry Department,

Damanhour University | Damanhour, Egypt.

- Taught under-graduate and post-graduate students Pharmaceutical chemistry courses;

2019 - 2024 | Associate professor, Faculty of Pharmacy, Pharmaceutical Chemistry Department, Damanhour University | Damanhour, Egypt.

- Taught under-graduate and post-graduate students Pharmaceutical chemistry courses;
- Synthesis of 3-Aminoquinazolinones via a SnCl₂-Mediated ANRORC-like Reductive Rearrangement of 1,3,4-Oxadiazoles.
- Ligand-based design and synthesis of novel nitazoxanide derivatives as potent inhibitors of SARS-CoV-2 main protease.
- Design and synthesis of novel pyrazole and pyridazine derivatives targeting Carbonic anhydrase.
- Design and synthesis of novel Febuxostat derivatives as a Dual Hypouricemic and Anti-inflammatory.
- Green methodology for synthesis of thio acids water.
- Green methodology for amide synthesis in water.

2018 - 2019 | Scientist at Center for Clinical Pharmacology

Saint Louis College of Pharmacy | Saint Louis, MO, USA.

- Design and Synthesis of Tropolone derivatives targeting multi-drug resistant bacteria and Cryptococcus neoformans;
- Development of green and simple synthetic protocols for drug discovery with guidance of target oriented molecular based drug design;
- Design and synthesis of some novel nuclear receptor hormones modulators.
- Teaching and supervising pharmacy undergraduate students.

2014 - 2019 | Assistant professor, Faculty of Pharmacy, Pharmaceutical Chemistry Department

Damanhour University | Damanhour, Egypt.

- Taught under-graduate and post-graduate students Pharmaceutical chemistry courses;
- An improved route for the synthesis of Rolloamide B.
- Green and catalyst-free synthesis of olsalazine analogs.
- Synthesis and Antiviral Bioassay of New Diphenyl ether Based Compounds.
- Different Spectrophotometric and Chromatographic Methods for Determination of Mepivacaine and Its Toxic Impurity.
- Synthesis and Anticancer Studies of Novel N-Benzyl pyridazinone Derivatives.

06/2016 – 09/2016 | Post-Doctoral Research Associate, Dr. Siva Panda

Augusta University | Augusta, GA, USA.

- Synthesis of novel Bi- and Tricyclic heterocycles;
- Design and Synthesis of Novel Isoniazid derivatives for biological evaluation against T.B;
- Development of green protocol for N-acylation in water;
- Design and synthesis of some novel quinoline derivatives as antimalarial.

2013 - 2014 | Lecturer, Faculty of Pharmacy, Pharmaceutical Chemistry Department

Misr University for Science and Technology | October 6th, Egypt.

- Taught under-graduate students Pharmaceutical chemistry courses;

2011 - 2013 | Researcher, Prof. Alan R. Katritzky

University of Florida | Gainesville, FL, USA.

- Target-oriented total synthesis of rolloamide B;
- Examined "traceless" chemical ligation at Ser-/Thr- sites;
- Studied palladium-catalysis of N-acylbenzotriazoles with epoxides to afford halohydrin ester surrogates;
- Developing novel chiral N-heterocyclic carbene precursors via natural amino acids and demonstrating their utility in umpolung reactions;

- Established an efficient method for synthesis of fluorescently labeled vitamins;
- Involved in target-oriented synthesis and preparation of reports for confidential Exxon Mobil Company project;
- Performed convention, spectral and final checking of manuscripts ready for submission;
- Established and supervised rules to ensure that safety standards were met within the group.

2010 - 2011 | Teaching assistant, Faculty of Pharmacy, Pharmaceutical Chemistry Department

Misr University for Science and Technology | October 6th, Egypt.

- Taught students Pharmaceutical chemistry laboratory techniques;

2009 - 2010 | Researcher, Prof. Jean-Jacques Bourguignon

University of Strasbourg | Strasbourg, France.

- Designed and Synthesized Pyridazine derivatives as *Cis*-Restricted Combretastatin A-4 Analogues;
- Designed and Synthesized of Amino Pyridazinone as a Protein kinases inhibitor;
- Involved in developing various synthetic pathways leading to regioselective functionalization of the pyrido[2,3-d] pyridazine scaffold;
- Trained to operate HPLC, NMR (400 MHz, 300 MHz), Flash Chromatography and Microwave.

2008 - 2009 | Teaching assistant, Faculty of Pharmacy, Pharmaceutical Chemistry Department

Misr University for Science and Technology | October 6th, Egypt.

- Taught students Pharmaceutical chemistry laboratory techniques;

Special Skills

• Management Jobs

- ✓ Head of Pharmaceutical Chemistry department, Faculty of Pharmacy Damanhour University, Beheira, Egypt.
- ✓ Member of Clinical Pharmacy Management team, Faculty of Pharmacy, Damanhour University, Beheira, Egypt.
- ✓ Member of Postgraduate committee, Faculty of Pharmacy, Damanhour University, Beheira, Egypt.
- ✓ Member of the Faculty Council, Faculty of Pharmacy, Damanhour University, Beheira, Egypt.

• Computer and Scientific Research Skills

- ✓ **Scientific Background:** organic chemistry methodology; multi-step synthesis; medicinal chemistry; lead optimization, SAR, standard laboratory techniques for synthesis, purification and characterization of organic compounds; experience in NMR, IR, optical rotation, UV, HPLC analysis. Convention, spectral and final checking of manuscripts ready for submission.
- ✓ **Computer:** Beilstein, SciFinder databases, Microsoft Office, Visual Basics, ChemBioOffice, Photoshop.
- ✓ **Interpersonal:** Team work and problem solving; supervision of undergraduate students; participated in conference preparation for two consecutive year.
- ✓ **Languages:** Fluent in English and Arabic, moderate knowledge of French.

1. Rashad, A. Y., Daabees, H. G., Elagawany, M., Shahin, M., Abdel Moneim, A. E., Marei, M. Y., & Rostom, S. A. F. **Dual inhibition strategy addressing hyperuricemia and oxidative stress: design, biological evaluation and stability studies of febuxostat-probenecid mutual prodrug.** *Med. Chem. Res.*, 2024, 11, 1–15.
2. Abdel Ghany, L. M. A., Ibrahim, T. S., Alharbi, A. S., Abdel-Aziz, M. S., El-labbad, E. M., Elagawany, M.; Ryad, N. **Development of certain benzylidene coumarin derivatives as anti-prostate cancer agents targeting EGFR and PI3K β kinases. studies** *J. Enzyme Inhib. Med. Chem.* **2024**, 39, 2311157.
3. Elagawany, M.; Maram, L.; Elgendy, B. **Synthesis of 3-Aminoquinazolinones via a SnCl₂-Mediated ANRORC-like Reductive Rearrangement of 1,3,4-Oxadiazoles.** *J. Org. Chem.* **2023**, 17062–17068.
4. Rashad, A. Y.; Daabees, H. G.; Elagawany, M.; Shahin, M.; Abdel Moneim, A. E.; Rostom, S. A. F. **A New Avenue for Enhanced Treatment of Hyperuricemia and Oxidative Stress: Design, Synthesis and Biological Evaluation of Some Novel Mutual Prodrugs Involving Febuxostat Conjugated with Different Antioxidants** *Bioorg. Chem.*, **2023**, 140, 106818.
5. Rashad, A. Y.; Daabees, H. G.; Elagawany, M.; Shahin, M.; Abdel Moneim, A. E.; Rostom, S. A. F. **Towards the Development of Dual Hypouricemic and Anti-inflammatory Candidates: Design, Synthesis, Stability Studies and Biological Evaluation of Some Mutual Ester Prodrugs of Febuxostat-NSAIDs** *Bioorg. Chem.*, **2023**, 135, 106502.
6. Al-Karmalawy, A. A.; El-Gamil, D. S.; El-Shesheny, R.; Sharaky, M.; Alnajjar, R.; Kutkat, O.; Moatasim, Y.; Elagawany, M.; Al-Rashood, S. T.; Binjubair, F. A.; Eldehna, W. M.; Noreddin, A. M.; Zakaria, M. Y. **Design and statistical optimisation of emulsomal nanoparticles for improved anti-SARS-CoV-2 activity of N-(5-nitrothiazol-2-yl)-carboxamido candidates: in vitro and in silico studies** *J. Enzyme Inhib. Med. Chem.* **2023**, 38, 2202357.
7. Badawi, W. A.; Rashed, M.; Nocentini, A.; Bonardi, A.; Abd-Alhaseeb, M. M.; Al-Rashood, S. T.; Veerakanellore, G. B.; Majrashi, T. A.; Elkaeed, E. B.; Elgendy, B.; Gratteri, P.; Supuran, C. T.; Eldehna, W. M.; Elagawany, M. **Identification of new 4-(6-oxopyridazin-1-yl)benzenesulfonamides as multi-target anti-inflammatory agents targeting carbonic anhydrase, COX-2 and 5-LOX enzymes: synthesis, biological evaluations and modelling insights** *J. Enzyme Inhib. Med. Chem.* **2023**, 38, 2201407.
8. Ragab, M. A.; Eldehna, W. M.; Nocentini, A.; Bonardi, A.; Okda, H. E.; Elgendy, B.; Ibrahim, T. S.; Abd-Alhaseeb, M. M.; Gratteri, P.; Supuran, C. T.; Al-Karmalawy, A. A.; Elagawany, M. **4-(5-Amino-pyrazol-1-yl)benzenesulfonamide derivatives as novel multi-target anti-inflammatory agents endowed with inhibitory activity against COX-2, 5-LOX and carbonic anhydrase: Design, synthesis, and biological assessments** *Eur. J. Med. Chem.* **2023**, 250, 115180.
9. Geerling, E.; Murphy, V.; Mai, M. C.; Stone, E. T.; Casals, A. G.; Hassert, M.; O'Dea, A. T.; Cao, F.; Donlin, M. J.; Elagawany, M.; Elgendy, B.; Pardali, V.; Giannakopoulou, E.; Zoidis, G.; Schiavone, D. V.; Berkowitz, A. J.; Agyemang, N. B.; Murelli, R. P.; Tavis, J. E.; Pinto, A. K.; Brien, J. D. **Metal coordinating inhibitors of Rift Valley fever virus replication** *Plos one* **2022**, 17, e0274266.
10. Elagawany, M.; Abo Elmaaty, A.; Mostafa, A.; Abo Shama, N. M.; Santali, E. Y.; Elgendy, B.; Al-Karmalawy, A. A. **Ligand-based design, synthesis, computational insights, and in vitro studies of novel N-(5-Nitrothiazol-2-yl)-carboxamido derivatives as potent inhibitors of SARS-CoV-2 main protease** *J. Enzyme Inhib. Med. Chem.* **2022**, 37, 2112.
11. Ragab, M. A.; Elagawany, M.; Daabees, H.; Ahmed, A. F.; Awad, E. A.; Billon, C.; Elgendy, B.; Abouzid, K. A. M.; Kassab, S. E. **Structure-based design and synthesis of conformationally constrained derivatives of methyl-piperidinopyrazole (MPP) with estrogen receptor (ER) antagonist activity.** *Bioorg. Chem.*, **2022**, 119, 105554.
12. Gouda, M.; Bawazeer, M.; Hegazy, L.; Azab, M.; Elagawany, M.; Rateb, M.; Yaseen, M.; Elgendy, B. **Design, Synthesis and Antitumor Activity of Novel Dispiro [oxindole-cyclohexanone]-pyrrolidines.** *Curr. Pharm. Des.*, **2021**,
13. Elagawany, M.; Maram, L.; Elgendy, B. **Novel Synthesis of Benzotriazolyl Alkyl Esters: An Unprecedented CH₂ Insertion.** *RSC Adv.* **2021**, 11, 7564.

14. Ibrahim, T. S.; Hawwas, M. M.; Taher, E. S.; Alhakamy, N. A.; Alfaleh, M. A.; Elagawany, M.; Elgendy, B.; Zayed, G. M.; Mohamed, M. F. A.; Abdel-Samii, Z. K.; Elshaier, Y. A. M. M. **Design and synthesis of novel pyrazolo[3,4-d]pyrimidin-4-one bearing quinoline scaffold as potent dual PDE5 inhibitors and apoptotic inducers for cancer therapy.** *Bioorg. Chem.*, **2020**, 105, 104352.
15. Shahien, M.; Elagawany, M.; Sitaula, S.; Goher, S. S.; Burris, S. L.; Sanders, R.; Avdagic, A.; Billon, C.; Hegazy, L.; Burris, T. P.; Elgendy, B. **Modulation of Estrogen-Related Receptors Subtype Selectivity: Conversion of an ERR β / γ Selective Agonist to ERR α / β / γ Pan Agonists.** *Bioorg. Chem.* **2020**, 102, 104079.
16. Elzahhar, P.A.; Abd El Wahab, S.M.; Elagawany, M.; Daabees, H.; Belal, A.S.F.; EL-Yazbi, A.F.; Eid, A.H.; Alaaeddine, R.; Hegazy, R.R.; Allam, R.M.; Helmy, M. W.; Elgendy, B.; Angeli, A.; El-Hawash, S. A.; Supuran, C. T. **Expanding the anticancer potential of 1,2,3-triazoles via simultaneously targeting Cyclooxygenase-2, 15-lipoxygenase and tumor-associated carbonic anhydrases.** *Eur. J. Med. Chem.* **2020**, 200, 112439.
17. Ibrahim, T.S.; Seliem, I.A.; Panda, S.S.; Al-Mahmoudy, A.M.M.; Abdel-Samii, Z.K.M.; Alhakamy, N.A.; Asfour, H.Z.; Elagawany, M. **An Efficient Greener Approach for N-acylation of Amines in Water Using Benzotriazole Chemistry.** *Molecules* **2020**, 25, 2501.
18. Ibrahim, T. S.; Bokhtia, R. M.; AL-Mahmoudy, A. M. M.; Taher, E. S.; AlAwadh, M. A.; Elagawany, M.; Abdel-Aal, E. H.; Panda, S.; Gouda, A. M.; Asfour, H. Z.; Alhakamy, N. A.; Youssif, B.G. M. **Design, Synthesis and Biological Evaluation of Novel 5-((Substituted Quinolin-3-Yl/1-Naphthyl) Methylene)-3-Substituted Imidazolidin-2,4-Dione as HIV-1 Fusion Inhibitors.** *Bioorg. Chem.* **2020**, 99, 103782.
19. Saaed, W.; Elagawany, M.; Azab, M. M.; Amin, A. S.; Rath, N. P.; Hegazy, L.; Elgendy, B. **Catalyst-and Organic Solvent-Free Synthesis, Structural, and Theoretical Studies of 1-Arylidenamino-2,4-Disubstituted-2-Imidazoline-5-Ones.** *Results Chem.* **2020**, 2, 100042.
20. Panda, S.S.; Girgis, A.S.; Mishra, B.B.; Elagawany, M.; Devarapalli, V.; Littlefield, W.F.; Samir, A.; Fayad, W.; Fawzy, N.G.; Srour, A.M.; Bokhtia, R.M. **Synthesis, computational studies, antimycobacterial and antibacterial properties of pyrazinoic acid–isoniazid hybrid conjugates** *RSC Adv.*, **2019**, 9, 20450.
21. Elagawany, M.; Hegazy, L.; Elgendy, B. **Catalyst- and organic solvent-free synthesis of thioacids in water** *Tetrahedron Lett.*, **2019**, 60, 2018.
22. Elagawany, M.; Fared, N. F.; Elgendy, B.; Abdelmomen, E. H.; Abdelwahab, N. S. **Baclofen Impurities: Facile Synthesis and Novel Environmentally Benign Chromatographic Method for their Simultaneous Determination in Baclofen** *Biomed Chromatogr.*, **2019**, 33, e4579.
23. Ghoneim, M. M.; Afifi, W. M.; Ibrahim, M.; Elagawany, M.; Khayat, M. T.; Aboutaleb, M. H.; Metwaly, A. M. **Biological evaluation and molecular docking study of metabolites from *Salvadora Persica L.* Growing in Egypt** *Pharmacogn Mag.*, **2019**, 15, 232.
24. Goher, S. S.; Griffett, K.; Hegazy, L.; Elagawany, M.; Arief, M. M. H.; Avdagic, A.; Banerjee, S.; Burris, T. B.; Elgendy, B. **Development of novel liver X receptor modulators based on a 1, 2, 4-triazole scaffold** *Bioorg. Med. Chem.* **2019**, 29, 449.
25. Cao, F.; Orth, C.; Donlin, M. J.; Adegboyega, P.; Meyers, M. J.; Murelli, R. P.; Elagawany, M.; Elgendy, B.; Tavis, J. E. **Synthesis and Evaluation of Troponoids as a New Class of Antibiotics** *ACS omega*, **2018**, 3, 15125.
26. Elagawany, M.; Hegazy, L.; Cao, F.; Donlin, M. J.; Rath, N.; Tavis, J.; Elgendy, B. **Identification of 4-isopropylthiotropolone as a novel anti-microbial: regioselective synthesis, NMR characterization, and biological evaluation** *RSC Adv.*, **2018**, 8, 29967.
27. Abdelwahab, N. S.; Fared, N. F.; Elagawany, M.; Abdelmomen, E. H. **Efficient UPLC and CE methods for the simultaneous determination of azelastinehydrochloride and its genotoxic impurity** *Biomed Chromatogr.*, **2018**, 32, e4346.
28. Panda, S. S.; Asiri, A. M.; Elagawany, M.; Buchanan, D. D.; Torklan, B.; Bathala, K.; Thomas, S. J.; Capito, J. E.; Arshad, M. N.; Al-Romaizan, A. N. **Efficient Synthesis of Pyrazinoic Acid Hybrid Conjugates** *Synopen*, **2017**, 1, 50.
29. Elagawany M.; Ibrahim, M. A.; Ibrahim, T. S.; EL-Mahmoudy, A. M. M.; Moawad, A.; Ghoneim, M. M.; Radwan, M. M.; Panda S. S. **Synthesis and Anticancer Studies of Novel N-Benzyl pyridazinone Derivatives** *Lett. Drug Des. Discovery*, **2017**, 14, 1008.

30. Abdelwahab, N. S.; Fared, N. F.; Elagawany, M.; Abdelmomen, E. H. **Different Spectrophotometric and Chromatographic Methods for Determination of Mepivacaine and Its Toxic Impurity** *J. AOAC Int.*, **2017**, *100*, 1392.
31. Elagawany M.; Ibrahim, M. A.; Panda S. S. **One-Pot Synthesis of Bi- and Tricyclic Heterocyclic Compounds using Benzotriazole Chemistry** *Tetrahedron Lett.*, **2016**, *57*, 4910.
32. Elagawany M.; Ibrahim, M. A. **An improved route for the synthesis of Rolloamide B** *Tetrahedron Lett.*, **2016**, *57*, 3837.
33. Ibrahim, T. S.; EL-Mahmoudy, A. M. M.; Elagawany M.; Ibrahim, M. A.; Panda S. S. **Synthesis and Antiviral Bioassay of New Diphenyl ether Based Compounds** *Chem. Biol. Drug Des.*, **2016**, *88*, 511.
34. Ibrahim, M. A.; Elagawany M.; Ibrahim, T. S. **Green and catalyst-free synthesis of olsalazine analogs** *Green Chem. Lett. Rev.*, **2016**, *9*, 91.
35. Ibrahim, M. A.; Panda S. S.; Oliferenko A. A.; Oliferenko P. V.; Girgis A. S.; Elagawany M.; Küçükbay F. Z.; Panda C. S.; Pillai G. G.; Samir A.; Tämm K.; Hall C. D.; Katritzky A. R. **Macrocyclic peptidomimetics with antimicrobial activity: synthesis, bioassay, and molecular modeling studies** *Org. Biomol. Chem.*, **2015**, *13*, 9492.
36. Ibrahim, M. A.; Elmenoufy, A. H.; Elagawany, M.; Ghoneim, M. M.; Moawad, A. **Pyridopyridazine": A Versatile Nucleus in Pharmaceutical Field.** *Journal of Biosciences and Medicines*, **2015**, *3*, 59.
37. Panda, S. S.; Elagawany, M.; Marwani, H. M.; Çalışkan, E.; El Khatib, M.; Oliferenko, A.; Alamry, K. A.; Katritzky, A. R. **Chemical ligation from O-acyl isopeptides via 8- and 11-membered cyclic transition states**, *ARKIVOC* **2014**, (iv) 91-106
38. Elagawany, M.; Schmitt, M.; Ghiaty, A.; El-Etrawy, A. Sh.; Ibrahim, M. A.; Bihel, F.; Sbardelotto, A. B.; Pessoa, C.; Nguyen, T. L.; Hamel, E.; Bourguignon, J. J. **Synthesis and Antiproliferative Effects of 5,6-Disubstituted Pyridazin-3(2H)-ones Designed as Conformationally Constrained Combretastatin A-4 Analogues** *Anti-Cancer Agents in Medicinal Chemistry* **2013**, *13*, 1133.
39. El Khatib, M.; Elagawany, M.; Çalışkan, E.; Davis, E. F.; Faidallah, H.M.; El-feky, S. A.; Katritzky, A. R. **Total Synthesis of Cyclic Heptapeptide Rolloamide B** *Chem. Commun.*, **2013**, *10*, 4836.
40. Elagawany, M.; Ibrahim, M. A.; Ahmed, H. E. A.; El-Etrawy, A. Sh.; Ghiaty, A.; Abdel-Samii, Z. K.; El-Feky, S. A.; Bajorath, J. **Design, Synthesis, and Molecular Modelling of Pyridazinone and Phthalazinone Derivatives as Protein Kinases Inhibitor** *Bioorg. Med. Chem.* **2013**, *23*, 2007.
41. Ibrahim, M. A.; Blaise, E.; Lozach, O.; Szalata, C.; Schmitt, M.; El-Etrawy, A. S.; Elagawany, M.; El-Feky, S. A.; Abdel-Samii, Z. K.; Meijer, L.; Bourguignon, J. J.; Bihel, F. **Palladium-catalyzed synthesis of substituted pyrido[2,3-d]pyridazines at positions 5 and 8** *Synthesis* **2012**, *44*, 3216.
42. El Khatib, M.; Elagawany, M.; Jabeen, F.; Todadze, E.; Bol'shakov, O.; Oliferenko, A.; Khelashvili, L.; Katritzky, A. R. **Traceless Chemical Ligations at Ser- sites through O- to N- Acyl Shifts** *Org. Biomol. Chem.* **2012**, *10*, 4836.
43. El Khatib, M.; Elagawany, M.; Todadze, E.; Khelashvili, L.; El-Feky, S. A.; Katritzky, A. R. **Microwave Assisted Synthesis of Regiospecific Pseudohalohydrin esters** *Synlett* **2012**, *23*, 1384.

Conferences

1. Elagawany, M.; Ibrahim, M. A. **"Synthesis and bioassay of natural macrocyclic peptide"** International Conference on Pharmacognosy, 2022.
2. Elagawany, M **"ropolones: Targeting multi-drug resistant bacteria and Cryptococcus neoformans"** Chemistry 2021, Rome, Italy.
3. Elagawany, M.; Ibrahim, M. A. **"Synthesis and bioassay of macrocyclic peptide"** 2nd International Conference on Pharmaceutical Chemistry, 2017, Barcelona, Spain.
4. Elagawany, M.; Ibrahim, M. A. **"Design, Synthesis and Antiproliferative Activity of 6-substituted Pyridazin3(2H)-ones"** 5Th World Congress on Cancer Therapy, 2015 Atlanta, USA.
5. Caliskan, E.; El-Khatib, M.; Elagawany, M. **"Solution-phase synthesis of rolloamide B"** 245th ACS National Meeting & Exposition, **2013**, New Orleans, LA, USA.

6. Elagawany, M.; El Khatib, M.; Caliskan, E.; Davis, E. F.; El-Feky, S. A. “**Total Synthesis of Cyclic Heptapeptide Rolloamide B**” 14th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.
7. Elagawany, M.; Ibrahim, M. A.; Ahmed, H. E. A.; El-Etrawy, A. Sh.; Ghiaty, A.; Abdel-Samii, Z. K.; El-Feky, S. A.; Bajorath, J. “**Design, Synthesis, and Molecular Modelling of Pyridazinone and Phthalazinone Derivatives as Protein Kinases Inhibitor**” 14th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.
8. El Khatib, M.; Elagawany, M.; Todadze, E.; Khelashvili, L. “**Palladium Catalyzed Regiospecific Reactions of N-Acylbenzotriazoles with Epoxides**” 243rd ACS National Meeting, **2012**, San Diego, CA, USA.
9. Elagawany, M.; El Khatib, M.; Oliferenko, A. A. “**Traceless Chemical Ligation at Ser-/Thr- Site Through O- to N-Acyl Shift**”,13th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.
10. Elagawany, M.; Schmitt, M.; Sbardelotto, A. B.; Pessoa, C.; Bourguignon, J. J. “**Synthesis and Biological Evaluation of 5,6-Disubstituted pyridazin-3(2H)-one as Cis-Restricted Combretastatin Analogues**”,13th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.
11. El Khatib, M.; Elagawany, M.; Khelashvili, L. “**Microwave Assisted Synthesis of Regiospecific Pseudohalohydrin Esters**”,13th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.
12. Caliskan, E.; El Khatib, M.; Elagawany, M. “**Solution-Phase Synthesis of Rolloamide B and Phakellistatin 15**”,13th Florida Heterocyclic Conference, **2012**, Gainesville, FL, USA.

Official websites

- **Scopus**

<https://www.scopus.com/authid/detail.uri?authorId=55214997100>

- **Google scholar**

https://scholar.google.ca/citations?hl=en&user=76xj3yoAAAAJ&view_op=list_works&sortby=pubdate

- **ResearchGate**

<https://www.researchgate.net/profile/Mohamed-Elagawany/research>