

Curriculum Vitae

Name : Asmaa Mohamed AboulMagd
Nationality : Egyptian
Date of Birth: 21/8/1983
Place of birth :Giza
Title : Associate Professor of Pharmaceutical Chemistry
Faculty of Pharmacy, Nahda University, Egypt.
Address : 15 May city, District 9, Street H, Villa 2.
Telephone : **Home**: 02 25521222
: **Mobile**: 012 23334 785
Email: asmaamoh_organic@hotmail.com, asmaa.aboulmaged@nub.edu.eg



Languages

Arabic Mother tongue
English Very Good

Academic Degrees

1. Associate Professor of Pharmaceutical Chemistry, February 2022.
2. Ph.D Degree in Pharmaceutical Chemistry, Faculty of Pharmacy, Ain Shams University, May 2016.
Ph.D. Thesis: Design and Synthesis of Phthalazine Based Compounds as Possible Anticancer Agents.
3. Master Degree in Pharmaceutical Sciences, Pharmaceutical Organic Chemistry, Faculty of Pharmacy, Cairo University, September, 2010.
M.Sc. Thesis: Synthesis and Cytotoxic Activity of Certain New Arylcyclohexene Containing Compounds
4. Bachelor Degree in Pharmaceutical Sciences - Faculty of Pharmacy, October 6 University, June, 2005, *Excellent with Honor Grade*.

Academic Professional Occupations

1. Head of Pharmaceutical Chemistry department, Faculty of Pharmacy, Nahda University from 1st September 2023 till now.
2. Associate Professor of Pharmaceutical Chemistry, Faculty of Pharmacy, Nahda University from 1st March 2022 till now.
3. Lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, Nahda University, from February 1st 2017 till now.
4. Lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, MTI University, from August 1st 2016 till January 31st 2017.

5. Assistant Lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, MTI University, from October 1st till July 31, 2016.
6. Assistant Lecturer of Organic Chemistry, Faculty of Pharmacy, MTI University, from October 1st till July 31, 2016.
7. Assistant Lecturer of Pharmaceutical Chemistry, Faculty of Pharmacy, October 6 University, from September 21, 2010 till September 2014.
8. Demonstrator of Pharmaceutical Organic Chemistry, Faculty of Pharmacy, October 6 University, from September 21, 2005 to September, 2010.

Other Occupations

1. Academic Co-coordinator of Bachelor of Pharmacy, (Pharm D) (Clinical Pharmacy) Program Faculty of Pharmacy, Nahda University from November 2024 till now.
2. Vice President of Quality Assurance Center, Nahda University from 1st August till now.
3. Manager of Quality Assurance Unit, Faculty of Pharmacy, Nahda University from 1st August 2018 till October 2024.
4. Member in Quality Assurance Center in Nahda University from 1st August 2018 till now.
5. Technical expert in quality of higher education institute, Faculty of Pharmacy, BUE from 1 July 2018 till now February 1st 2019.
6. Coordinator for on- site visit conducted from NAQAAE to Faculty of Pharmacy, Nahda University, from 11-13 March 2018.
7. Coordinator for Simulation visit conducted from NAQAAE to Faculty of Pharmacy, Nahda University, from 22-24, November 2017.
8. Coordinator for Teaching and Learning Standard during preparing the accreditation visit from NAQAAE.
9. Member in strategic plan committee, faculty of Pharmacy, Nahda University.
10. Member in student training committee, Faculty of Pharmacy, Nahda University.
11. Coordinator for Nahda University in National Bank for scientific laboratories and equipment.
12. Vice Manager of Quality Assurance Unit, Faculty of Pharmacy, MTI University, since July 2015 to January 31st 2017.

13. Member of the Academic Standards and Educational Program Committee, Faculty of Pharmacy , MTI University, Egypt, since January 2016 to January 31st 2017 .
14. Member of the Awareness and Training Committee, Faculty of Pharmacy , MTI University, Egypt, since January 2016 to January 31st 2017.
15. Member of the Internal Auditing Committee , Faculty of Pharmacy , MTI University, Egypt, since January 2016 to January 31st 2017.
16. Member of Quality Assurance Unit, Faculty of Pharmacy, October 6 University, since 2007.
17. Member of the Academic Standards and Educational Program Committee, Faculty of Pharmacy , October 6 University, Egypt, since 2009.
18. Member of the Awareness and Training Committee , Faculty of Pharmacy , October 6 University, Egypt, since 2009.
19. Member of the Internal Auditing Committee , Faculty of Pharmacy , October 6 University, Egypt, since 2010.

Teaching Experience

1. Teaching Theoretical Medicinal Chemistry for undergraduate students, Faculty of Pharmacy, Nahda University since from February 1st 2017 till now.
2. Teaching Theoretical Organic Chemistry for undergraduate students, Faculty of Pharmacy, Nahda University since from February 1st 2017 till now.
3. Teaching Theoretical Pharmaceutical Chemistry for fourth and fifth year students, Faculty of Pharmacy, MTI University since from August 1st 2016 till January 31st 2017.
4. Teaching Drug Design for fifth year students, Faculty of Pharmacy, MTI University since from August 1st 2016 till January 31st 2017.
5. Teaching Practical Organic Chemistry for first and second year students, Faculty of Pharmacy, MTI University since from October 1st till January 31st 2017.
6. Teaching Practical Pharmaceutical Chemistry for fourth year students, Faculty of Pharmacy, MTI University since from October 1st till January 31st 2017.
7. Teaching Practical Organic Chemistry for first and second year students, Faculty of Pharmacy, October 6 University since September 2005 till September 2014.
8. Teaching Practical Pharmaceutical Chemistry for third and fourth year students, Faculty of Pharmacy, October 6 University since September 2007 to June 2009.
9. Participating in Research discussion for first and second year students, Faculty of Pharmacy, October 6 University, since 2007.

Research Experience

- Synthetic medicinal chemistry: synthesis and characterization of heterocyclic compounds of biological especially in anticancer field. Familiarity with modern techniques including various chromatographic separation methods, drug design with drug modeling and interpretation of instrumental data, including mass spectrometry, IR, ^1H NMR and ^{13}C NMR spectroscopy.

Activities

A- Participation in Conferences

1. “ The exploration of biological potential of derived marine natural candidates and synthesis of new metabolites as possible anticancer and antimicrobial agents”
Asmaa M. AboulMagd, International Conference on Modern Research in Biological, Pharmaceutical, Medical and Environmental Sciences(ICMRBPMES-24), 23rd - 24th Aug 2024 at Istanbul, Turkey.
2. "Natural Based Drug Optimization: Design, Synthesis, and Biological Evaluation"
Asmaa M. AboulMagd, 2nd International Meet on Medicinal Chemistry, Drug Discovery and Delivery (MEDCHEMMEET 2023), Paris, France, 6-8 June, 2023.
3. Participation in 11th international scientific conference " Authenticity for Excellence in Pharmacy, Egypt Healthcare vision, 2030", Cairo university, 14-15 May 2023.
4. Participation in 2nd international conference and exhibition on pharmaceutical and healthcare sciences, Alexandria, November 2022.
5. Marine Derived Natural Products as Potential Inhibitors of SARS-CoV-2 Main Protease (Mpro), **Asmaa M. AboulMagd**, Hossam M. Hassan , Eslam M. H. Ali , Nada M. Mohamed, The Gordon Research Conferences (GRC), USA, March 2022.
6. Design, Synthesis and Mechanistic Study of New Benzenesulfonamide Derivatives as Anticancer and Antimicrobial Agents via Carbonic Anhydrase IX Inhibition, Mohamed T.M. Nemr, **Asmaa M. AboulMagd** , Hossam M. Hassan, Ahmed A. Hamed, Mohamed I. A. Hamed , Mohamed T. Elsaadi, NUB 3rd International Conference of Scientific Research in Pharmacy " New Trends in Pharmaceutical Sciences", Faculty of Pharmacy, Nahda University, March 2022.

7. Saccharomonosporine A Inspiration; Synthesis of Potent Analogues as Potential PIM Kinases Inhibitors, **Asmaa M. AboulMagd**, Hossam M. Hassan , Ahmed M. Sayed , Usama Ramadan Abdelmohsen , Hamdy M. Abdel-Rahman, The Gordon Research Conferences (GRC), USA, February 2020.

8. Design and Synthesis of Novel Quinazolinone Derivatives with Possible Antimicrobial Activity, Taghian E. Taghian, Mostafa A. Mansour, **Asmaa M. AboulMagd**, Hamdy M. Abdel-Rahman, 2nd Conference in NUB “A Futuristic Look”, Faculty of Pharmacy, Nahda University, March 2019.

9. Synthesis and antimicrobial activity of some new fuopyrimidine derivatives, Mahmoud Ibrahim Mohamed a, Mostafa Omar Mahmoud ,Zohar Sayed ,Mostafa A. Mansour , **Asmaa M. AboulMagd**, Published in Scientific research in the field of pharmacy: a futuristic look, Faculty of Pharmacy, Nahda University, March 2018.

10. Participation in the "Pharma Middle East Conference” slated on in Dubai, UAE , 02-04, November 2015.

11. Participation in the 1st International Scientific Conference of Faculty of Pharmacy, Ain Shams University " New Trends in Drug Discovery, Development and Pharmacy Practice", October, 2014.

12. Participation in the 5th International Scientific Conference of Faculty of Pharmacy, Cairo University " Pharmacy at the Cutting –edge: Facing Future Challenges", April, 2014.

13. Participation in the 1st Scientific Conference of Faculty of Pharmacy, October 6 University " Faculty of Pharmacy, October 6 University between the Present and the Future ", December, 2013.

14. Participation in the 4th International Scientific Conference of Faculty of Pharmacy, Cairo University " Pharmacy Education & Community Practice", April, 2013.

15. Participation in the 3rd Scientific Conference of Faculty of Pharmacy, Cairo University " Quality Assurance in Pharmacy Education", April, 2012.

16. Participation in the 2nd Scientific Conference of Faculty of Pharmacy, Cairo University " Quality Assurance in Pharmacy Education", April, 2010.

17. Participation in the 1st annual Conference of October 6 University " Quality in Higher Education: Experiments and Experiences", April, 2009.

18. Participation in the Conference of Faculty of Pharmacy, Cairo University,
" Steps on the Accreditation way", December, 2008.

B- Reviewer

1. Reviewer in Archiv der Pharmazie
2. Reviewer in Bioorganic Chemistry Journal.
3. Reviewer in ChemistrySelect Journal.
4. Reviewer in Journal of biomolecular structure.
5. Reviewer in Organic and Bimolecular Chemistry Journal.
6. Reviewer in RSC Advances Journal.
7. Reviewer in RSC Medicinal Chemistry Journal.
8. Reviewer in Medicinal Chemistry Research Journal.
9. Reviewer in Journal of Biomolecular Structure and Dynamics.
10. Reviewer in Egyptian Journal of Chemistry.

C-Training Workshops

1. Training workshop in " How to apply competency-based pharmacy NARS,
organized by NAQAAE, September 2022.
2. Training workshop in "Teaching and learning Strategies for Higher Education
Institutions" organized by NAQAAE, September 2020.
3. Training Workshop in " SBDD, LBDD, and QSAR as tools in Drug Design and
Discovery" organized by Faculty of Pharmacy, Nahda University, August 2019.
4. Training Workshop in "Teaching and Learning Strategies for Higher Education
Institutions" organized by NAQAAE, September 2020.
5. Training Workshop in "Strategic Planning for Higher Education Institutions"
organized by NAQAAE, July 2019.
6. Training Workshop in " Green Chemistry and World Transformation Towards
Sustainability" organized by National Research Center, Egypt, April, 2019.
7. Training Workshop in "Self evaluation for Higher Education Institutions"
organized by NAQAAE, January 2019.
8. Training Workshop in "External review for Higher Education Institutions"
organized by NAQAAE, December 2018.

9. Training Workshop in “ Educational Programs and Courses specifications, and Evaluation of Learning Outcomes for Higher Education Institutions” organized by NAQAAE, September 2018.
10. Training Workshop in “Computer – Aided Drug Design” organized by Faculty of Pharmacy, Ain Shams University, July 2017.
11. Training Workshop “ Chemical and Biorisk Management Workshop” held by Sandia Laboratories, 26-28 January 2016.
12. Training Workshop in “Applications of Molecular Docking in Drug Design and Discovery” organized by Faculty of Pharmacy, October 6 University, December 2016.
13. Training Workshops in " National Academic Reference Standards for Pharmacy Education ", "Course Specification", "Course Report" , "Program Specification" and " Program Report" , Faculty of Pharmacy, October 6 University, since 2007 till now resulted in granting certificate of appreciation from University President.
14. Training Workshop in “ Curriculum and Teaching Methods”, October 6 University, March 2013.
15. Training Workshop in “ Learning Outcomes and Curriculum Mapping for Higher Education Institutions” organized by NAQAAE, December, 2012.
16. Training Workshop in “ Exams and Student Evaluation System”, Faculty and Leadership Development Center (FLDC), Cairo University, December 2011.
17. Passing IELTS, conducted by IDP Education, Egypt with overall score 6.0, October 2016
18. Passing TELP, conducted by Center of Public Service and Social Development, Ain Shams University, October 2011.
19. Passing ICDL endorsed by Ministry of Communications and Information Technology Egypt, June, 2011.

Published Peer-Reviewed Researches:

1. Synthesis of tetra-substituted thiophene derivatives as potential Hits combating antibiotic resistant bacteria ESKAPE, Heba K Abd El-Mawgoud, **Asmaa M AboulMagd**, Ahmed MM Shaker, Magdy M Hemdan, Aya I Hassaballah, Paula S Farag, Bioorganic Chemistry 155, 108101, 2025.
2. Synthesis of novel imidazole-based compounds via using sonication technique: Influence of chemical reaction manipulation, antiproliferative

activity through apoptosis induction, Heba K Abd El-Mawgoud, **Asmaa M AboulMagd**, Magdy M Hemdan, Paula S Farag, Aya I Hassaballah, Journal of Molecular Structure, 1319, 139611, 2025.

1. Design, synthesis and cytotoxic evaluation of new thieno [2, 3-d] pyrimidine analogues as VEGFR-2/AKT dual inhibitors, apoptosis and autophagy inducers, Heba K Abd El-Mawgoud, **Asmaa M AboulMagd**, Mohamed TM Nemr, Magdy M Hemdan, Aya I Hassaballah, Paula S Farag, Bioorganic Chemistry 150, 107622, 2024.
2. Novel guanidine derivatives targeting leukemia as selective Src/Abl dual inhibitors: Design, synthesis and anti-proliferative activity, Amr H. Moustafa, **Asmaa M. AboulMagd**, Ali M. Ali, Ahmed Khodairy, Adel A. Marzouk, Ayman Nafady, Mohamed T. M. Nemr, Bioorganic Chemistry 2024, 107410, 2024.
3. Quinazoline-chalcone hybrids as HDAC/EGFR dual inhibitors: Design, synthesis, mechanistic, and in-silico studies of potential anticancer activity against multiple myeloma, Mostafa A Mansour, **Asmaa M AboulMagd**, Samar H Abbas, Mohamed Abdel-Aziz, Hamdy M. Abdel-Rahman. Archiv der Pharmazie, 357, 5, 2300626, 2024.
4. Design, synthesis, and molecular docking of novel 1, 3, 4-triaryl pyrazole derivatives bearing methylsulfonyl moiety with anticancer activity through dual targeting CDK2 and COX-2 enzymes, Ahmed MM Shaker, Mai I Shahin, **Asmaa M AboulMagd**, Hamdy M Abdel-Rahman, Dalal A Abou El Ella, Journal of Molecular Structure, 1301, 137323, 2024.
5. New pyrazolo [3, 4-d] pyrimidine derivatives as EGFR-TK inhibitors: design, green synthesis, potential anti-proliferative activity and P-glycoprotein inhibition, Aya I Hassaballah, **Asmaa M AboulMagd**, Magdy M Hemdan, Mohamed H Hekal, Amira A El-Sayed, Paula S Farag, RSC advances, 14, 3,1995-2015, 2024.
6. Design, Synthesis, Molecular docking, and biological evaluation of novel 2, 3-diaryl-1, 3-thiazolidine-4-one derivatives as potential anti-inflammatory and cytotoxic agents, YO Mekhle, **Asmaa M AboulMagd**, AM Gouda, Bioorganic Chemistry, 106411, 2023.

7. Synthesis, antiproliferative activity, and molecular modeling of novel 4-methylcoumarin derivatives and/or nitric oxide donor hybrids, Malik Suliman Mohamed, Hany AM Elsherief, Hani Mohamed Hafez, Omar Awad Alsaidan, Samil I Alzarea, **Asmaa M AboulMagd**, Molecular Diversity, 27,5, 2133-2146, 2023.
8. Design, synthesis and chemoinformatic studies of new thiazolopyrimidine derivatives as potent anticancer agents via phosphodiesterase-5 inhibition and apoptotic inducing activity, MTM Nemr, M Teleb, **Asmaa M AboulMagd**, ME El-Naggar, N Gouda, ..., Journal of Molecular Structure 1272, 134216, 2023.
9. Annulated pyrazole derivatives as a novel class of urokinase (uPA) inhibitors: Green synthesis, anticancer activity, DNA-damage evaluation, and molecular modelling study, PS Farag, **Asmaa M AboulMagd**, MM Hemdan, AI Hassaballah, Bioorganic Chemistry 130, 106231, 2023.
10. The Red Sea marine sponge *Spongia irregularis*: metabolomic profiling and cytotoxic potential supported by in silico studies, ER Abdelaleem, MN Samy, SA Ahmed, **Asmaa M AboulMagd**, AH Alhadrami, ... Natural Product Research 36 (24), 6359-6363, 2022.
11. Novel 1, 3-diaryl pyrazole derivatives bearing methylsulfonyl moiety: Design, synthesis, molecular docking and dynamics, with dual activities as anti-inflammatory and anticancer agents through selectively targeting COX-2, AMM Shaker, MI Shahin, **Asmaa M AboulMagd**, SAA Aleem, HM Abdel-Rahman, Bioorganic Chemistry 129, 106143, 2022.
12. Synthesis, antiproliferative activity, and molecular modeling of novel 4-methylcoumarin derivatives and/or nitric oxide donor hybrids, MS Mohamed, HAM Elsherief, HM Hafez, OA Alsaidan, SI Alzarea, **Asmaa M. AboulMagd** ..., Molecular Diversity, 1-14, 2022.
13. *Garcinia cambogia* Phenolics as Potent Anti-COVID-19 Agents: Phytochemical Profiling, Biological Activities, and Molecular Docking, HY Aati, A Ismail, ME Rateb, **Asmaa M AboulMagd**, HM Hassan, MH Hetta, Plants 11 (19), 252, 2022.
14. Partial Synthetic PPAR γ Derivative Ameliorates Aorta Injury in Experimental Diabetic Rats Mediated by Activation of miR-126-5p Pi3k/AKT/PDK 1/mTOR Expression, YM Ahmed, R Orfali, NS Abdelwahab,

- HM Hassan, ME Rateb, **Asmaa M. AboulMagd**, *Pharmaceuticals* 15 (10), 1175, 2022.
15. Metabolomics of the secondary metabolites of *Ammi visnaga* L. roots (family Apiaceae) and evaluation of their biological potential, SST Ahmed, JR Fahim, KA Youssif, **Asmaa M AboulMagd**, MN Amin, ...*South African Journal of Botany* 149, 860-869, 2022.
 16. Natural metabolites from the soft coral *Nephthea* sp. as potential SARS-CoV-2 main protease inhibitors, OH Abdelhafez, JR Fahim, M Mustafa, **Asmaa M AboulMagd**, SY Desoukey, ..., *Natural Product Research* 36 (11), 2893-2896, 2022.
 17. Radiolabeling, biological distribution, docking and ADME studies of ^{99m}Tc-Ros as a promising natural tumor tracer, DM El-Sharawy, SI Khater, MS El Refaye, HM Hassan, Asmaa M AboulMagd, ..., *Applied Radiation and Isotopes* 184, 110196, 2022.
 18. Pioglitazone Synthetic Analogue Ameliorates Streptozotocin-Induced Diabetes Mellitus through Modulation of ACE 2/Angiotensin 1–7 via PI3K/AKT/mTOR Signaling Pathway, YM Ahmed, MA Abdelgawad, K Shalaby, MM Ghoneim, **Asmaa M AboulMagd**, ...*Pharmaceuticals* 15 (3), 341, 2022.
 19. Development and Greenness Assessment of HPLC Method for Studying the Pharmacokinetics of Co-Administered Metformin and Papaya Extract, MA Abdelgawad, M Elmowafy, A Musa, MM Al-Sanea, AEAA Nayl, ..., **Asmaa M. AboulMagd**, *Molecules* 27 (2), 37, 2022.
 20. Cytotoxic potential of the Red Sea sponge *Amphimedon* sp. supported by in silico modelling and dereplication analysis, NH Shady, UR Abdelmohsen, **Asmaa M AboulMagd**, MN Amin, S Ahmed, ..., *Natural Product Research* 35 (24), 6093-6098, 2021.
 21. Design, microwave assisted synthesis, and molecular modeling study of some new 1, 3, 4-thiadiazole derivatives as potent anticancer agents and potential VEGFR-2 inhibitors, SR Atta-Allah, **Asmaa M AboulMagd**, PS Farag, *Bioorganic Chemistry* 112, 10492, 2021.
 22. Analysis of sunitinib malate, a multi-targeted tyrosine kinase inhibitor: A critical review, **Asmaa M AboulMagd**, NS Abdelwahab, *Microchemical Journal* 163, 10592, 2021.

23. Holospiniferoside: A New Antitumor Cerebroside from The Red Sea Cucumber *Holothuria spinifera*: In Vitro and In Silico Studies, EE Eltamany, UR Abdelmohsen, DM Hal, AK Ibrahim, HA Hassanean, **Asmaa M. AboulMagd**..., *Molecules* 26 (6), 1555, 2021.
24. Design, synthesis and mechanistic study of new benzenesulfonamide derivatives as anticancer and antimicrobial agents via carbonic anhydrase IX inhibition, MTM Nemr, **Asmaa M AboulMagd**, HM Hassan, AA Hamed, MIA Hamed, ..., *RSC advances* 11 (42), 26241-26257, 2021.
25. Metabolomic profiling, biological evaluation of *Aspergillus awamori*, the river Nile-derived fungus using epigenetic and OSMAC approaches, MM Lotfy, AM Sayed, **Asmaa M AboulMagd**, HM Hassan, D El Amir, SF Abouzid, ...*RSC advances* 11 (12), 6709-6719, 2021.
26. Ecological HPLC method for analyzing an antidiabetic drug in real rat plasma samples and studying the effects of concurrently administered fenugreek extract on its pharmacokinetics, NS Abdelwahab, A Morsi, YM Ahmed, HM Hassan, **Asmaa M AboulMagd**, *RSC advances* 11 (8), 4740-4750, 2021.
27. Ligand-based design, molecular dynamics and ADMET studies of suggested SARS-CoV-2 M pro inhibitors, NM Mohamed, EMH Ali, **Asmaa M AboulMagd**, *RSC advances* 11 (8), 4523-4538, 2021.
28. Nature as a treasure trove of potential anti-SARS-CoV drug leads: a structural/mechanistic rationale. Ahmed M. Sayed, Amira R. Khattab, **Asmaa M. AboulMagd**, Hossam M. Hassan, Mostafa Rateb, Hala Zaid and Usama Ramadan Abdelmohsen , *RSC Adv.*, 2020, 10, 19790-19802
29. Rapid microwave-assisted hydrolytic degradation of colchicine: In silico ADME/Tox profile, molecular docking, and development of innovative RPChromatographic methods, Nada S. Abdelwahab, Hossam M. Hassan, **Asmaa M. AboulMagd**, *Microchemical Journal* 152 (2020) 104419.
30. Quinazoline-Schiff base conjugates: in silico study and ADMET predictions as multi-target inhibitors of coronavirus (SARS-CoV-2) proteins , Mostafa A. Mansour, **Asmaa M. AboulMagd** and Hamdy M. Abdel-Rahman , *Rsc Advances* 10 (56), 34033-34045, 2020 .
31. Synthesis, Antimicrobial and Molecular Modeling Studies of Some Benzophenone-based Thiazole and 4-Thiazolidinone Derivatives, **Asmaa M. AboulMagd**, Nahed

- Eid; Ahmed Khorany; Osama Elgendy ; Hamdy M. Abdel-Rahman , Egyptian Journal of Chemistry, Volume 63, Issue 11, November 2020, Page 4355-4367.
32. New fused pyrimidine derivatives with anticancer activity: Synthesis, topoisomerase II inhibition, apoptotic inducing activity and molecular modeling study, Mohamed T.M.Nemr , **Asmaa M.AboulMagd** , Bioorganic Chemistry 103, 104134, 2020.
 33. Saccharomonosporine A inspiration; synthesis of potent analogues as potential PIM kinase inhibitors , **Asmaa M. AboulMagd**, Hossam M. Hassan, Ahmed M. Sayed, Usama Ramadan Abdelmohsen , and Hamdy M. Abdel-Rahman , RSC Advances 10 (12), 6752-6762.
 34. Triple-negative breast cancer suppressive activities, antioxidants and pharmacophore model of new acylated rhamnopyranoses from Premna odorata , Abeer H. Elmaidomy, Rabab Mohammed, Asmsaa I. Owis, Mona H. Hetta, **Asmaa M. AboulMagd**, Abu Bakar Siddique, Usama Ramadan Abdelmohsen, Mostafa E. Rateb, Khalid A. El Sayed and Hossam M. Hassan, RSC Advances 10 (18), 10584-10598, (2020).
 35. Testicular Caspase-3 and β -Catenin Regulators Predicted via Comparative Metabolomics and Docking Studies, Mohammed S. Hifnawy , Mahmoud A. Aboseada , Hossam M. Hassan , **Asmaa M. AboulMagd** , Adel F. Tohamy , Samraa H. Abdel-Kawi , Mostafa E. Rateb , El Moataz Bellah El Naggari , Miaomiao Liu , Ronald J. Quinn , Hani A. Alhadrami , Usama Ramadan Abdelmohsen , Metabolites 2020, 10(1), 31.
 36. Thalassosterol, a New Cytotoxic Aromatase Inhibitor Ergosterol Derivative from the Red Sea Seagrass Thalassodendron ciliatum , Reda F. A. Abdelhameed , Eman S. Habib , , Marwa S. Goda , John Refaat Fahim , Hashem A. Hassanean , Enas E. Eltamany , many K. Ibrahim, , **Asmaa M. AboulMagd** , Shaimaa Fayez , Adel M. Abd El-kader , Tarfah Al-Warhi , Gerhard Bringmann , Safwat A. Ahmed , Usama Ramadan Abdelmohsen, Mar. Drugs 2020, 18(7), 354.
 37. Bioassay-Guided Isolation, Metabolic Profiling, and Docking Studies of Hyaluronidase Inhibitors from Ravenala madagascariensis by Esraa M. Mohamed , Mona H. Hetta , Mostafa E. Rateb , Mohamed A. Selim , **Asmaa M. AboulMagd** , Farid A. Badria , Usama Ramadan Abdelmohsen , Hani A. Alhadrami , Hossam M. Hassan , Molecules 2020, 25(7), 1714.

38. Antiulcer secondary metabolites from *Elaeocarpus grandis*, family Elaeocarpaceae, supported by in silico studies , Radwa Taher Mohie El-Dien, Sherif A. Maher, Usama Ramadan Abdelmohsen, **Asmaa M. AboulMagd** , Mostafa Ahmed Fouad , and Mohamed Salah Kamel , RSC Advances 10 (57), 34788-34799.
39. Cytotoxic potential of the Red Sea sponge *Amphimedon* sp. supported by in silico modelling and dereplication analysis, Nourhan Hisham Shady, Usama Ramadan Abdelmohsen , **Asmaa M. AboulMagd**, Mohamed N. Amin, Safwat Ahmed, Mostafa A. Fouad & Mohamed Salah Kamel , Natural Product Research, 2020.
40. New Cytotoxic Cerebrosides from the Red Sea Cucumber *Holothuria spinifera* Supported by In-Silico Studies, Reda FA Abdelhameed, Enas E Eltamany, Dina M Hal, Amany K Ibrahim, **Asmaa M AboulMagd**, Tarfah Al-Warhi, Khayrya A Youssif, Abd El-kader, M Adel, Hashim A Hassanean, Shaimaa Fayez, Gerhard Bringmann, Safwat A Ahmed, Usama Ramadan, Mar. Drugs 2020, 18(8), 405.
41. Radiolabeling, docking studies, in silico ADME and biological evaluation of serotonin with ¹²⁵I for 5-HTRs imaging, Dina M El-Sharawy, Marwa S El Refaye, H Hussien, **Asmaa M AboulMagd**, Nuclear Science and Techniques, 31(8), 1-8, 2020.
42. Design and synthesis of phthalazine-based compounds as potent anticancer agents with potential antiangiogenic activity via VEGFR-2 inhibition, Salwa Elmeligie, **Asmaa M AboulMagd**, Deena S Lasheen, Tamer M Ibrahim, Tamer M Abdelghany, Sohair M Khojah, Khaled AM Abouzid, Journal of enzyme inhibition and medicinal chemistry, 2019, 34 (1), 1347-1367.
43. Design and synthesis of phthalazine-based compounds as potent anticancer agents, Salwa Elmeligie, **Asmaa M AboulMagd**, Deena S Lasheen, Khaled AM Abouzid, Al-Azhar Journal of Pharmaceutical Sciences, 2016, 35(1), 207-236.
44. Synthesis and Cytotoxic Activity of Certain Diaryl Cyclohexene Derivatives Structurally Related to Combretastatins, S. Elmeligie, M.M. Kandeel, Abd Elhamid, M.K. and **A. Aboul-Magd**, International Journal of Medicine and Pharmaceutical Sciences., 2013, 3, 63-75.