



El-Shimaa M. N. Abdelhafez 2024  
Medicinal Chemistry Department  
Minia University

# CURRICULUM VITAE

**El-Shimaa Mohamed Naguib Abdelhafez Ali**

**Associate Professor of Medicinal Chemistry dept., Minia University, Egypt.**

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## **PERSONAL INFORMATION**

- ☒ Name: El-Shimaa Mohamed Naguib Abdelhafez Ali
- ☒ Date of Birth: 20<sup>th</sup> September, 1980
- ☒ Nationality: Egyptian
- ☒ Marital status: Married, three children.
- ☒ Address (1): Damarees Street, El-Minia, Egypt.
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## **ACADEMIC QUALIFICATIONS...**

• Citations	741
• h-index	16 (Google Scholar)
• i10-index	20 (Google Scholar)

**PhD Degree**, Pharmaceutical Sciences (Medicinal Chemistry), December 2013, Minia University (Minia, Egypt) (Earned through **CHANNEL** Program between school of Art and Science, Chemistry Dep., Wake Forest University, NC, USA and Faculty of Pharmacy, El-Minia University)

***Thesis Advisor:*** Prof. Dr. Bruce King, Prof. of Chemistry, Wake Forest University, NC, USA



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**Thesis entitled** "Synthesis, Molecular Modeling and Anticancer Activity of New Reserpine Derivatives as Inducers of Mis-Match Repair Protein "

**Master Degree:** in pharmaceutical sciences (Medicinal Chemistry), January, 2008 Faculty of Pharmacy, Minia University (Minia, Egypt)

**Thesis advisor:** Prof. Dr. Hassan H. A, Farag, Prof. of pharmaceutical Chemistry, former dean, Faculty of Pharmacy, Assiut University.

**Thesis entitled:** "Synthesis and Investigation of Certain Derivatives Pyrazole-3-Carboxylic Acid as Novel Carriers for NitricOxide"

**B.Sc Degree** : In Pharmaceutical Sciences, May 2002, Faculty of Pharmacy, El-Minia University

**Grade:** Excellent with honor (88.23%)

#### **PROFESSIONAL POSITIONS...**

*September, 2002- December, 2007*

Teaching Assistant (demonstrator) at Medicinal Chemistry department, Faculty of Pharmacy, Minia University.

*January, 2008- May, 2011*

Assistant lecturer at Medicinal Chemistry department, Faculty of Pharmacy, Minia University.

*June, 2011- June, 2013*

Research scholar at Prof. S. Bruce King Lab, Wake Forest University, Winston Salem, North Carolina, USA.

*June, 2013- November 2013*

Assistant lecturer at Medicinal Chemistry department, faculty of pharmacy, Minia University.

*December, 2013- current*

Assistant professor at Medicinal Chemistry department, faculty of pharmacy, Minia University.

#### **RESEARCH EXPERIENCES...**

**Channel scholarship at Chemistry Department, Prof. Dr. Bruce King laboratory Wake Forest University, North Carolina, USA (June 2011-June 2013)**



- Design and synthesis of organic compounds of potential biological activities
- Reaction mechanistic study
- Chromatographic techniques (Flash chromatography, Column Chromatography and Preparative chromatography).
- Biological study of the synthesized compounds by the help of other institutions.
- Prodrug approaches as a tool for enhancing drug properties
- Structural elucidation of various groups of synthesized products using spectroscopic techniques including IR, NMR (1D and 2D), elemental analysis and MS (HRMS and ESI).
- Computer based drug design including the pharmacophore and structure based designs using MOE version 2014.

***Post graduate research student (master and doctoral student), Faculty of Pharmacy, Minia University, Minia, Egypt (October 2002-May 2011)***

- Synthesis of NO releasing compounds using different synthetic and separation technique for NO release measurement
- Some biological testing like anti-inflammatory and ulcerogenicity
- Principles of drug design software
- Good teaching experience for both organic and medicinal chemistry.

**TEACHING EXPERIENCE:**

**Medicinal Chemistry Department, Faculty of Pharmacy, Minia University.**

**Associate Professor of Medicinal Chemistry (November 2019-current)**

- Teaching theoretical Organic Chemistry course I for undergraduate pharmacy, Minia National University
- Teaching theoretical Organic Chemistry courses (I, II & III) for undergraduate pharmacy
- Teaching theoretical Medicinal Chemistry courses for undergraduate pharmacy
- Teaching Advanced Medicinal Chemistry Course for postgraduate pharmacy students in Master degree of medicinal chemistry (special courses).
- Teaching Advanced Organic Chemistry Course for postgraduate pharmacy students in Master degree of medicinal chemistry (Special course).
- Teaching PhD courses of medicinal chemistry (Special course).

**Lecturer of Medicinal Chemistry (December 2013- November 2019)**

- Teaching theoretical Medicinal Chemistry courses for undergraduate pharmacy students (ANS, CNS, CVS, Drug Design, ....)



- Teaching theoretical Organic Chemistry courses for undergraduate pharmacy students (stereochemistry, spectroscopy, carboxylic acid & derivatives, heterocyclic chemistry, ..)
- Teaching Organic Spectroscopy for postgraduate pharmacy students (IR, NMR, Mass)
- Teaching Stereochemistry for clinical Pharmacy students.
- Teaching Advanced Medicinal Chemistry Course for postgraduate pharmacy students in Master degree of medicinal chemistry (special courses).
- Teaching Advanced Organic Chemistry Course for postgraduate pharmacy students in Master degree of medicinal chemistry (Special course).

**Organic Chemistry Department, Faculty of Pharmacy, Deraya University.**

***Lecturer of Organic Chemistry (September 2015- Jan 2019)***

Teaching Organic Chemistry I & II courses for undergraduate pharmacy students  
(Introduction, stereochemistry, Heterocyclic Chemistry, Aromatic compounds, ....)

**Medicinal Chemistry Department, Faculty of Pharmacy, Minia University.**

***Teaching assistant. (September 2002-December 2013)***

- Teaching practical Organic Chemistry courses.
- Teaching practical Medicinal Chemistry courses.

**SKILLS**

**Languages:** Arabic: mother tongue.  
English: Excellent written and spoken)

**Computer:** Excellent in windows, Word, PowerPoint, Internet, and endnote  
Very good in Excel and GraphPad Prism  
(Passed ICDL exams – advanced ICTP, course exam)

**WORKSHOPS**

***Attended at Faculty Development & Leadership center and ICTP centre , Minia University, Minia, Egypt***

1. *Strategic planning*
2. *Systems of examinations and evaluation of students*
3. *Establishing personal website*
4. *Financial and legal aspects*
5. *Research in the global databases, and management of scientific references*



6. *Advanced word processing*
7. *Advanced power point*
8. *Advanced spreadsheet*
9. *Quality Assurance and Accreditation*
10. *Effective presentation skills*
11. *Effective teaching skills*
12. *Time management and meetings*
13. *Use of technology in teaching*
14. *Effective communication skills*
15. *Scientific Publishing*
16. *Development of scientific research methods*
17. *Thinking skills*
18. *University Administration*
19. *Scival: A tool for evidence-based research planning*
20. *Anti-Corruption*
21. *Ethics of scientific research and international publishing*
22. *Statistical Analysis Using SPSS*
23. *Create personal websites*
24. *Professional ethics and ethics*
25. *Dealing with students with special needs*
26. *Preparation of the test vocabulary for the medical sector*

### **PUBLICATIONS...**

- [1]B.G. Youssif, M.M. Morcoss, S. Bräse, M. Abdel-Aziz, H.M. Abdel-Rahman, D.A. Abou El-Ella, **E.S.M. Abdelhafez**, Benzimidazole-Based Derivatives as Apoptotic Antiproliferative Agents: Design, Synthesis, Docking, and Mechanistic Studies, *Molecules*, 29 (2024) , 446
- [2]A. Soudi, O. Bender, I. Celik, A.A.A. El-Hafeez, R. Dogan, A. Atalay, E.B. Elkaeed, A.A. Als fouk, **E.M. Abdelhafez**, O.M. Aly, Discovery and Anticancer Screening of Novel Oxindole-Based Derivative Bearing Pyridyl Group as Potent and Selective Dual FLT3/CDK2 Kinase Inhibitor, *Pharmaceuticals*, 17 (2024) 659.

- [3]M.S. El-Zoghbi, A.K. Bass, G.E.-D. A Abuo-Rahma, M.F. Mohamed, M. Badr, H.A. Al-Ghulikah, **E.-S.M. Abdelhafez**, Design, synthesis and mechanistic study of new dual targeting HDAC/tubulin inhibitors, *Future Medicinal Chemistry*, 16 (2024) 601-622.
- [4]A.M. Abdelhakem, **E.-S. Abdelhafez**, S.H. Abbas, S. Abdel Hafez, W.Y. Abdelzaher, O.M. Aly, A novel approach for apoptosis and caspase-3 inhibition using new candidates of 1, 5-Diaryl triazole-3-carboxamides, *Octahedron Drug Research*, 5 (2024) 64-75.
- [5]**S. Naguib**, O. Aly, G. Abourhma, S. King, F. Salsbury, K. Scarpinato, A. Diamanduros, Synthesis, Molecular Modeling and Anticancer Activity of New Rescinnamine Derivatives as MMR-Inducers, *Octahedron Drug Research*, 2 (2023) 21-35.
- [6]A.H. Mohamed, S.M. Mostafa, A.A. Aly, A.A. Hassan, E.M. Osman, A.A. Nayl, A.B. Brown, **E.M. Abdelhafez**, Novel quinoline/thiazinan-4-one hybrids; design, synthesis, and molecular docking studies as potential anti-bacterial candidates against MRSA, *RSC advances*, 13 (2023) 14631-14640.
- [7]**S.M.N.A. Hafez**, E.A. Saber, N.M. Aziz, M.Y. Kamel, A.A. Aly, E.-S.M. Abdelhafez, M.F.G. Ibrahim, Potential protective effect of 3, 3'-methylenebis (1-ethyl-4-hydroxyquinolin-2 (1 H)-one ( against bleomycin-induced lung injury in male albino rat via modulation of Nrf2 pathway: biochemical, histological, and immunohistochemical study, *Naunyn-Schmiedeberg's Archives of Pharmacology*, 396 (2023) 771-788.
- [8]S.A. El-Kalyoubi, H.A. Gomaa, **E.M .Abdelhafez**, M. Ramadan, F. Agili, B.G. Youssif, Design, synthesis, and anti-proliferative action of purine/pteridine-based derivatives as dual inhibitors of EGFR and BRAFV600E, *Pharmaceuticals*, 16 (2023) 716.
- [9]**E.M.N. Abdelhafez**, A. Elgedamy, M. Shoman ,Antimicrobial activity of new amide/thioamides derivatives of ciprofloxacin, *Journal of advanced Biomedical and Pharmaceutical Sciences*, 6 (2023) 12-15.
- [10]M. Mustafa, Y. A Mostafa, A. E Abd Elbaky, M. Mohamed, D. Abdelhamid, **E. MN Abdelhafez**, O.M. Aly, Combretastatin A-4 analogs: Past, present, and future directions, *Octahedron Drug Research*, 1 (2022) 55-64.
- [11]S.M. Mostafa, A.A. Aly, S. Bräse, M. Nieger, S.M.N. Abdelhafez, W.Y. Abdelzaher, **E.-S.M. Abdelhafez**, Synthesis, Characterization, and In Vivo Study of Some Novel 3, 4, 5-Trimethoxybenzylidene-hydrazinecarbothioamides and Thiadiazoles as Anti-Apoptotic Caspase-3 Inhibitors, *Molecules*, 27 (2022) 2266.



- [12]S.S. Mahmoud, E.B. Elkaeed, A.A. Als fouk, **E.M. Abdelhafez**, Molecular Docking and Dynamic Simulation Revealed the Potential Inhibitory Activity of Opioid Compounds Targeting the Main Protease of SARS-CoV-2, BioMed Research International, 2022 (2022) 1672031.
- [13]G.H. Elgemeie, R.A. Azzam, W.A. Zagahary, A.A. Aly, N.H. Metwally, M.O. Sarhan, **E.M. Abdelhafez**, R.E. Elsayed, N-Sulfonated-N-heterocycles: synthesis, chemistry, and biological applications, Elsevier, 2022.
- [14]A.K. Bass, **E.-S.M. Nageeb**, M.S. El-Zoghbi, M.F. Mohamed, M. Badr, G.E.-D.A. Abuo-Rahma, Utilization of cyanopyridine in design and synthesis of first-in-class anticancer dual acting PIM-1 kinase/HDAC inhibitors, Bioorganic Chemistry, 119 (2022) 105564.
- [15]A.A. Aly, E.M. Abdallah, S.A. Ahmed, M.M. Rabee, **E.-S.M. Abdelhafez**, Metal complexes of thiosemicarbazones derived by 2-quinolones with Cu (I), Cu (II) and Ni (II); Identification by NMR, IR, ESI mass spectra and in silico approach as potential tools against SARS-CoV-2, Journal of Molecular Structure, 1265 (2022) 133480.
- [16]A.M. Zaki, Y.M. Ahmed, **E.-S.M. Abdelhafez**, Candidature of the Synthetic Caspase Inhibitors as New Anti-SARS-COV-2 Drug Discovery, In-Silico Molecular Docking, Int. J. Pharm. Sci. Res, 12 (2021) 104-119.
- [17]S. Soloneski, M.L. Larramendy, Genotoxicity and mutagenicity: Mechanisms and test methods, BoD–Books on Demand2021.
- [18]A. Shabib, M. Shoman, **E.M.N. Abdelhafez**, Current Trends and Future Perspectives of Hydrogen Sulfide Donors, Journal of advanced Biomedical and Pharmaceutical Sciences, 4 (2021) 231-245.
- [19]S.M. Mostafa, A.A. Aly, S.M. Sayed, M.A. Raslan, A.E. Ahmed, A. Nafady, E.A. Ishak, A.M. Shawky, **E.-S.M. Abdelhafez**, New quinoline-2-one/thiazolium bromide derivatives; synthesis, characterization and mechanism of formation, Journal of Molecular Structure, 1239 (2021) 130501.
- [20]A.K. Bass ,M.S. El-Zoghbi, E.-S.M. Nageeb, M.F. Mohamed, M. Badr, G.E.-D.A. Abuo-Rahma, Comprehensive review for anticancer hybridized multitargeting HDAC inhibitors, European journal of medicinal chemistry, 209 (2021) 112904.
- [21]A.K. Bass, **E. Abdelhafez**, M. El-Zoghbi, M.F. Mohamed, M. Badr, G.E.-D.A. Abuo-Rahma, 3-Cyano-2-oxa-pyridines: a promising template for diverse pharmacological activities, Journal of advanced Biomedical and Pharmaceutical Sciences, 4 (2021) 81-86.
- [22]S. Abdel Hafez, E. Ali, **S. Naguib**, The role of mast cells in accelerating our skin aging, J Clin Images Med Case Rep, 2 (2021) 1345.





- [23]M.M. Morcoss, M. El Shimaa, R.A. Ibrahim, H.M. Abdel-Rahman, M. Abdel-Aziz, D.A. Abou El-Ella, Design, synthesis, mechanistic studies and in silico ADME predictions of benzimidazole derivatives as novel antifungal agents, *Bioorganic chemistry*, 101 (2020) 103956.
- [24]M.M. Morcoss, **E.S. Abdelhafez**, H.M. Abdel-Rahman, M. Abdel-Aziz, A. El-Ella, A. Dalal, Novel Benzimidazole/Hydrazone Derivatives as Promising Anticancer Lead Compounds: Design, Synthesis, and Molecular Docking Study, *Journal of advanced Biomedical and Pharmaceutical Sciences*, 3 (2020) 45-52.
- [25]R.M. Maklad, **E.-S.M. AbdelHafez**, D. Abdelhamid, O.M. Aly, Tubulin inhibitors: Discovery of a new scaffold targeting extra-binding residues within the colchicine site through anchoring substituents properly adapted to their pocket by a semi-flexible linker, *Bioorganic Chemistry*, 99 (2020) 103767.
- [26]E.M. El-Sheref, A.A. Aly, M.B. Alshammari, A.B. Brown, S.M.N. Abdel-Hafez, W.Y. Abdelzaher, S. Bräse, **E.M. Abdelhafez**, Design, synthesis, molecular docking, antiapoptotic and caspase-3 inhibition of new 1, 2, 3-triazole/bis-2 (1 H)-quinolinone hybrids, *Molecules*, 25 (2020) 5057.
- [27]A.A. Aly, S.M. Sayed, **E.-S.M. Abdelhafez**, S.M.N. Abdelhafez, W.Y. Abdelzaher, M.A. Raslan, A.E. Ahmed, K. Thabet, A.A. El-Reedy, A.B. Brown, New quinoline-2-one/pyrazole derivatives; design, synthesis, molecular docking, anti-apoptotic evaluation, and caspase-3 inhibition assay, *Bioorganic chemistry*, 94 (2020) 103348.
- [28]A.A. Aly, S. Bräse, A.A. Hassan, N.K. Mohamed, L.E.A. El-Haleem, M. Nieger, N.M. Morsy, M.B. Alshammari, M.A. Ibrahim, **E.M. Abdelhafez**, Design, synthesis, and molecular docking of paracyclophanyl-thiazole hybrids as novel CDK1 inhibitors and apoptosis inducing anti-melanoma agents, *Molecules*, 25 (2020) 5569.
- [29]A.A. Aly, S. Bräse, A.A. Hassan, N.K. Mohamed, L.E. Abd El-Haleem, M. Nieger, N.M. Morsy, **E.M. Abdelhafez**, New paracyclophanylthiazoles with anti-leukemia activity: Design, synthesis, molecular docking, and mechanistic studies, *Molecules*, 25 (2020) 3089.
- [30]A.M. AbdelHakem, **E.-S.M. Abdelhafez**, A. AbdelHakem, E. Abdelhafez, Current trends and future perspectives of antimutagenic agents, *Genotoxicity and Mutagenicity-Mechanisms and Test Methods*, IntechOpen2020.
- [31]H.H. Mohammed, G.E.-D.A. Abuo-Rahma, S.H. Abbas, **E.-S. Abdelhafez**, Current trends and future directions of fluoroquinolones, *Current Medicinal Chemistry*, 26 (2019) 3132-3149.
- [32]H.H. Mohammed, **E.-S.M. Abdelhafez**, S.H. Abbas, G.A. Moustafa, G. Hauk, J.M. Berger, S. Mitarai, M. Arai, R.M. Abd El-Baky, G.E.-D.A. Abuo-Rahma, Design, synthesis and molecular



docking of new N-4-piperazinyl ciprofloxacin-triazole hybrids with potential antimicrobial activity, Bioorganic chemistry, 88 (2019) 102952.

[33]H.H. Mohammed, S.H. Abbas, **E.-S.M. Abdelhafez**, J.M. Berger, S. Mitarai, M. Arai, G.E.-D.A. Abuo-Rahma, Synthesis, molecular docking, antimicrobial evaluation, and DNA cleavage assay of new thiadiazole/oxadiazole ciprofloxacin derivatives, Monatshefte für Chemie-Chemical Monthly, 150 (2019) 1809-1824.

[34]H.B. Ila, E.S. Istifli, Cytotoxicity-Definition, Identification, and Cytotoxic Compounds, IntechOpen2019.

[35]A.A. Hassan, A.A. Aly, N.K. Mohamed, K.M. El Shaieb, M.M. Makhoulf, **E.-S.M. Abdelhafez**, S. Bräse, M. Nieger, K.N. Dalby, T.S. Kaoud, Design, synthesis, and DNA interaction studies of furo-imidazo [3.3. 3] propellane derivatives: Potential anticancer agents, Bioorganic chemistry, 85.599-585 (2019)

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[37]**E.-S.M.N. Abdelhafez**, S. Ali, M.R.E. Hassan, A.M. Abdel-Hakem, Apoptotic inhibitors as therapeutic targets for cell survival, Cytotoxicity-Definition, Identification, and Cytotoxic Compounds, (2019) 69.

[38]H. Mohammed, **E.-S. Abdelhafez**, S. Abbas, G.E.-D. Abuo-Rahma, G. Hauk, J. Berger, S. Mitarai, M. Arai, K. Dalby, T. Kaoud, Design, synthesis, molecular docking and antimicrobial activity of New 7-(4-(2-((1, 2, 4-triazol-3-yl) thio) acetyl) piperazin-1-yl) derivatives of ciprofloxacin, Abstracts Of Papers Of The American Chemical Society, Amer Chemical SOC 1155 16TH ST, NW, Washington, DC 20036 USA, 2018.

[39]M. Mustafa, D. Abdelhamid, **E.M. Abdelhafez**, M.A. Ibrahim, A.M. Gamal-Eldeen, O.M. Aly, Synthesis, antiproliferative, anti-tubulin activity, and docking study of new 1, 2, 4-triazoles as potential combretastatin analogues, European journal of medicinal chemistry, 141 (2017) 293-305.

[40]M.A. Abdullah, G.E.-D.A. Abuo-Rahma, **E.-S.M. Abdelhafez**, H.A. Hassan, R.M. Abd El-Baky, Design, synthesis, molecular docking, anti-Proteus mirabilis and urease inhibition of new fluoroquinolone carboxylic acid derivatives, Bioorganic Chemistry, 70 (2017) 1-11.

[41]H.H. Mohammed, A.A. Abd El-Hafeez, S.H. Abbas, **E.-S.M. Abdelhafez**, G.E.-D.A. Abuo-Rahma, New antiproliferative 7-(4-(N-substituted carbamoylmethyl (piperazin-1-yl) derivatives of ciprofloxacin induce cell cycle arrest at G2/M phase, Bioorganic & medicinal chemistry, 24 (2016) 4636-4646.



[42]M. Ali, G.E.-D. Abuo-Rahmaa, R. Abdelbaky, E.S.A. Hafez, H. Hassan, New fluoroquinolone hydroxamic acids as antibacterial and urease inhibitors: Design, synthesis and molecular docking studies, ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, AMER CHEMICAL SOC 1155 16TH ST, NW, WASHINGTON, DC 20036 USA, 2016.

[43]M.A.A. Abdullah, Design, Synthesis, Molecular Docking and Biological Investigation of New Hydroxamic Acid, Amide and Hydrazide Derivatives of Fluoroquinolones, Minia University, 2016.

[44]M. Abdullah, R. El-Baky, H.A. Hassan, **E.-S.M. Abdelhafez**, G.E.-D.A. Abuo-Rahma, Fluoroquinolones as urease inhibitors: anti-Proteus mirabilis activity and molecular docking studies, Am J Microbiol Res, 4 (2016) 81-84.

[45]**E.S.M. AbdelHafez**, O.M. Aly, G.E.D.A. Abuo-Rahma, S.B. King, Lossen rearrangements under Heck reaction conditions, Advanced Synthesis & Catalysis, 356 (2014) 3456-3464.

[46]K.D. Scarpinato, **E. AbdelHafez**, A. Diamanduros, L. Negureanu, Y. Lu, J.H. Bean, K. Zielke, B. Crowe, A. Vasilyeva, J. Clodfelter, Improving rescinnamine as an inducer of MSH2-dependent apoptosis in cancer treatment, (2013).

[47]**E.M. AbdelHafez**, A. Diamanduros, L. Negureanu, Y. Luy, J.H. Bean, K. Zielke, B. Crowe, A. Vasilyeva, J.E. Clodfelter, O.M. Aly, Computational and synthetic studies towards improving rescinnamine as an inducer of MSH2-dependent apoptosis in cancer treatment, Molecular cancer biology, 1.(2013)

[48]E.-S.M. Abdel-Hafez, G.E.-D.A. Abuo-Rahma, M. Abdel-Aziz, M.F. Radwan, H.H. Farag, Design, synthesis and biological investigation of certain pyrazole-3-carboxylic acid derivatives as novel carriers for nitric oxide, Bioorganic & medicinal chemistry, 17 (2009) 3829-3837.

[49]R.M. Maklad, O.M. Aly, **E.-S.M. AbdelHafez**, D. Abdelhamid, Design, Synthesis and Cytotoxicity Measurement of Unsymmetrical Diacylhydrazine Derivatives as Potential Anticancer Agents.

[50]M.A. Ali, G.E.-D.A. Abuo-Rahma, R.M. Abd El-baky, **E.-S.M. Abdelhafez**, H.A. Hassan, New Antibacterial Fluoroquinolone Hydroxamic Acids as Urease Inhibitors: Design, Synthesis and Molecular Docking Studies, infection, 4 6.

[51]A.M. Abdel-Hakem, **E.-S.M. Abdelhafez**, S.H. Abbas, O.M. Aly, Docking Studies Of Some E-2-Phenyl-4-(2-Phenylhydrazineylidene) Oxazol-5 (4H)-One Derivatives As A Potential Caspase-8 Inhibitor

## **POSTERS & CONFERENCES**

1. Mohammed Ali, Gamal El-Din Abuo-Rahmaa, Rehab Abdelbaky, **El Shimaa Abdel Hafez**, Heba Hassan, New fluoroquinolone hydroxamic acids as antibacterial and urease inhibitors:



- Design, synthesis and molecular docking studies, Abstracts of Papers of The American Chemical Society, meeting no. 251, 1155 16th St, NW, Washington, DC 20036 USA, 2016.
2. Muhamad Mustafa, **ElShimaa Abdelhafez**, Dalia Abdelhamid, Amira M. Gamal-Eldeen, Omar M. Aly, Design, Synthesis and Antiproliferative Activity of Novel Triazole-Carboxylic Acid Derivatives, 4th International Conference of Applied Chemistry, Hurghada, Egypt, March 2016
  3. **El - Shimaa M. N. Abdelhafez**, Raed M. Maklad, Omar M. Aly, Dalia Abdelhamid Sayed, New Hydrazone Chloride, Diaryloxadiazole and Triaryltriazole Derivatives; Synthesis, Molecular Docking Study and Anticancer Activity Investigation, As speaker during Al-Azhar 5th International Conference of Pharmaceutical Sciences and Drug Industries September 2017, Hurghada, Egypt.
  4. Hamada H. H. Mohammed , **El - Shimaa M. N. Abdelhafez**, Samar H. Abbas, Gamal El - Din A. Abuo - Rahma, Glenn Hauk , James M. Berger , Dharmarajan Sriam , Tamer S Kaoud, Powerful Approach to Design, Synthesis, Molecular Docking and Antimicrobial activity of New 7-(4-(2-((1,2,4-Triazol-3-yl)thio)acetyl)piperazin-1-yl)Derivatives of Ciprofloxacin, Abstracts of papers of the American Chemical Society meeting no. 255, New Orleans, LA, USA, March 2018
  5. Attended the 10<sup>th</sup> Assuit University International Pharmaceutical Sciences Conference held in Faculty of Pharmacy, Assuit University April 2016.

#### **REFERENCES...**

- **Dr. Mohamed Abdelaziz Mohamed Osman**

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- **Prof. Omar M. Ali**

Professor of Med. Chemistry, Faculty of Pharmacy, Port Said University,



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***Links:***

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- **Research Gate**

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