**Publication**

***A)-organic and pharmaceutical Chemistry:***

***2016 Publications:***

1. Synthesis, Antitumor Activity and Molecular Docking Study of Some Novel 3-Benzyl-4(3*H*)Quinazolinone analogues***;*** Adel El-Azab, Ibrahim Al-Suwaidan, Amer Alanazi, Alaa A.-M. Abdel-Aziz, Taghreed shawer & Rezk Ayyad *J Enzyme Inhib Med Chem. 31* (**2016**) 78-­89.
2. FT-IR, FT-Raman and molecular docking study of ethyl 4-(2-(4-oxo-3-phenethyl-3,4-dihydroquinazolin-2-ylthio)acetamido)benzoate Adel S. El-Azab, Y. Sheena Mary, Yohannan Panicker, Alaa A.-M. Abdel-Aziz, Ibrahim A. Al-Suwaidan, Van Alsenoy *Journal of Molecular Structure 1111* (**2016**) 9-18.

***2016 Publications:***

1. Synthesis and potential antitumor activity of 7-(4-substituted piperazin-1-yl)-4-oxoquinolines based on ciprofloxacin and norfloxacin scaffolds: In silico studies Alaa A.-M. Abdel-Aziz, Adel S. El-Azab, Amer M. Alanazi, Yousif A. Asiri, Ibrahim A. Al-Suwaidan, Azza R. Maarouf, Abdulrahman M. Al-Obaid, Rezk R. Ayyad, Taghreed Z. Shawer, *J Enzyme Inhib Med Chem In-Press*. **2015**

DOI: 10.3109/14756366.2015.1069288

1. Antitumor evaluation and molecular docking study of substituted 2-benzylidenebutane-1,3-dione, 2-hydrazonobutane-1,3-dione and trifluoromethyl-1H-pyrazole analogues Ibrahim A. Al-Suwaidan, Naglaa I. Abdel-Aziz, Adel S. El-Azab, Magda A.-A. El-Sayed, Amer M. Alanazi, Mahmoud B. El-Ashmawy, Alaa A.-M. Abdel-Aziz *J Enzyme Inhib Med Chem 30* (**2015**) 679–687.
2. Structure-based design of phthalimide derivatives as potential cyclooxygenase-2 (COX-2) inhibitors: Anti-inflammatory and analgesic activities Amer M. Alanazi, Adel S. El-Azab, Ibrahim A. Al-Suwaidan, Kamal Eldin H. ElTahir, Yousif A. Asiri, Naglaa I. Abdel-Aziz, Alaa A.-M. Abdel-Aziz *European Journal of Medicinal Chemistry 92* (**2015**) 115-123.

***2014 Publications:***

1. Design, synthesis and biological evaluation of some novel substituted quinazolines as antitumor agents; Amer M. Alanazi, Alaa A.-M. Abdel-Aziz, Ibrahim A. Al-Suwaidan, Sami G. Abdel-Hamide, Taghreed Z. Shawer , *Adel S. El-Azab,* *European Journal of Medicinal Chemistry* 79 (2014) 446-454
2. Synthesis and Conformational Analysis of Sterically Congested (4R)-(−)-1-(2,4,6-Trimethylbenzenesulfonyl)-3-n-butyryl-4-tertbutyl-2- imidazolidinone: X-Ray Crystallography and Semiempirical Calculations; Ibrahim A. Al-Swaidan, *Adel S. El-Azab*, Amer M. Alanazi, and Alaa A.-M. Abdel-Aziz, *Journal of Chemistry*, 2014, ID 173902, 1-15, <http://dx.doi.org/10.1155/2014/173902>.
3. Synthesis and Antitumor Activity of 1,2,4-Triazolo[1,5-a]quinazolines; R. AL-SALAHI1, M. MARZOUK, A.E. ASHOUR3 and I. ALSWAIDAN, Asian Journal of Chemistry; Vol. 26, No. 7 (2014), 2173-2176.

* ***2013 Publications:***

1. Design, synthesis and biological evaluation of 2-mercapto-3-phenethylquinazoline bearing anilide fragments as potential antitumor agents: Molecular docking study, Ibrahim A. Al-Suwaidan, Amer M. Alanazi, Alaa A.-M. Abdel-Aziz, Menshawy A. Mohamed, *Adel S. El-Azab*, *Bioorg & Med.Chem.Lett*. 23(13), 2013, 3935-3941.
2. HPLC METHOD FOR ANALYSIS OF CELIPROLOL ENANTIOMERS IN BIOLOGICAL FLUIDS AND PHARMACEUTICAL FORMULATION USING IMMOBILIZED POLYSACCHARIDE-BASED CHIRAL STATIONARY PHASE AND FLUORESCENCE DETECTION; M. HEFNAWY, A. AL-MAJED, A. AL-SUWAILEM , I. AL-SWAIDAN , G.A.E.MOSTAFA, Digest Journal of Nanomaterials and Biostructures Vol. 8, No. 3, July - September 2013, p. 1313 – 1323.
3. Antiviral activities of some synthesized methylsulfanyltriazoloquinazoline derivatives; Rashad A. Al-Salahi, Mohamed A. Al-Omar, Ibrahim Alswaidan, Mohamed Marzouk, Waled M. El-Senousy, Abd El-Galil E. Amr, Res Chem Intermed DOI 10.1007/s11164-013-1177-1.
4. An Alternative Route for Synthesis of Chiral 4-Substituted-1-Arenesulfonyl-2 imidazolidinones: Unusual Utility of (4S,5S)- and (4R,5R)-4,5-Dimethoxy-2-imidazolidinones and X-Ray Crystallography; Ibrahim A. Al-Swaidan, Amer M. Alanazi, Adel S. El-Azab and Alaa A.-M.Abdel-Aziz. Journal of Chemistry, 2013, Article ID 349519, 1-5, <http://dx.doi.org/10.1155/2013/349519>.
5. Molecular design, synthesis and biological evaluation of cyclic imides bearing benzenesulfonamide fragment as potential COX-2 inhibitors, Ibrahim A. Al-Suwaidan, Amer M. Alanazi, *Adel S. El-Azab*, Alaa A.-M. Abdel-Aziz, *Bioorg. & Med.Chem.Lett*. 23 (2013) 2601–2605.
6. Synthesis, single-crystal, in vitro antitumor evaluation and molecular docking of 3-substitued 5,5-diphenylimidazolidine-2,4-dione derivatives, Amer M. Alanazi, Ibrahim A. Al-Suwaidan, *Adel S. El-Azab*, Alaa A.-M. Abdel-Aziz, *Med. Chem Res.* 22 (2013) 6129–6142*.*
7. Design, synthesis and biological evaluation of some novel substituted 2-mercapto-3-phenethylquinazoline as antitumor agents, Amer M. Alanazi, Ibrahim A. Al-Suwaidan, Alaa A.-M. Abdel-Aziz, Menshawy A. Mohamed, *Adel S. El-Azab*, *Med. Chem Res.* (2013) 22:5566–5577.
8. Synthesis, molecular modeling study, preliminary antibacterial,and antitumore valuation of N-substituted naphthalimides and their structural analogues, *Adel S. El-Azab*, Amer M. Alanazi, Naglaa I. Abdel-Aziz, Ibrahim A. Al-Suwaidan, Magda A. A. El-Sayed, Magda A. ElSherbeny, Alaa A.-M. Abdel-Aziz. *Med. Chem.Res.*  (2013), 22, (5), 2360-2375.

***B) X-Ray Crystalography:***

1. 2-Methylsulfanyl-9H-1,3,4-thiadiazolo-[2,3-b]quinazolin-9-one. *Adel S. El-Azab*, Alaa A.-M. Abdel-Aziz, Ibrahim A. Al-Swaidan, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2134.
2. (Adamantan-1-yl)(phenylsulfanyl)-methanone. *Adel S. El-Azab*, Alaa A.-M.Abdel-Aziz, Ibrahim A. Al-Swaidan, Seik Weng Ng and Edward R. T. Tiekink. Acta Cryst. (2012). **E68**, o2104.
3. Methyl-3-[(6-nitro-4-oxo-3-phenyl-3,4-dihydroquinazolin-2-yl)sulfanyl]-propanoate*,* Ibrahim A. Al-Suwaidan, Alaa A.-M. Abdel Aziz, Adel S. El-

Azab, C. S. Chidan Kumard and Hoong-Kun Fun, Acta Cryst. (2013). **E69**, o1111.