Pharmaceutical Chemistry Department

Publication list from Jan 2018- Dec 2018

International publications:

	Publication title	Journal name /year	Authors from the department	Other Authors & their affiliation
1.	Pyrrolopyrimidine, A Multifaceted Scaffold in Cancer Targeted Therapy.(review)	*Drug research. 2018 Feb 12*	**Mai Adel** **Khaled Abouzid** **Deena Samy Lasheen** **Rabah Ahmed Taha**	-
2.	Identification of new pyrrolo[2,3-d]pyrimidines as potent VEGFR-2 tyrosine kinase inhibitors: Design, synthesis, biological evaluation and molecular modeling.	*Bioorganic chemistry. 2018 Dec*	**Mai Adel** **Khaled Abouzid** **Deena Samy Lasheen** **Rabah Ahmed Taha**	
3.	Dual stimuli-responsive polypyrrole nanoparticles for anticancer therapy	*Journal of Drug Delivery Science and Technology. 2018 July, 3*	**Tarek Erfan Elsayed** **Rosaline Ashraf**	Rania M. Hathout, Abdelkader A. Metwally, Sherweit H. El-Ahmady, Eman S. Metwally, Noha A. Ghonim, Salma A. Bayoumy, Maha Fadel, Abdullah I. El-Kholy, John G. Hardy,
4.	A 5′ AMP-Activated Protein Kinase Enzyme Activator, Compound 59, Induces Autophagy and Apoptosis in Human Oral Squamous Cell Carcinoma	*Basic & clinical pharmacology & toxicology. 2018 Feb., 02*	**Eman M. E. Dokla**	Jing-Ru Weng, Li-Yuan Bai, Ching-Shih Chen, Shih-Jiuan Chiu and Tzong-Ming Shieh National Sun Yat-sen University, Kaohsiung, Taiwan

5.	Synthesis and biological evaluation of novel 2-oxo-1,2-dihydroquinoline-4-carboxamide derivatives for the treatment of esophageal squamous cell carcinoma	*European Journal of Medicinal Chemistry, May 2018*	**Mai I Shahin,** **Deena S Lasheen,** **Dalal A Abou El Ella,** **Khaled A Abouzid,**	Joyeeta Roy, Maha Hanafi, Dongyao Wang, Urarika Luesakul, Yifeng Chai, Nongnuj Muangsin, Nouri Neamati
6.	Chimeric HDAC inhibitors: Comprehensive review on the HDAC-based strategies developed to combat cancer	*Medicinal research reviews, May 2018*	**Heba M Hesham,** **Deena S. Lasheen,** **Khaled AM Abouzid**	
7.	Surmounting the resistance against EGFR inhibitors through the development of thieno[2,3-d]pyrimidine-based dual EGFR/HER2 inhibitors	*European Journal of Medicinal Chemistry, June 2018*	**Sandra N Milik,** **Deena S. Lasheen,** **Rabah AT Serya,** **Khaled AM Abouzid**	Amal Kamal Abdel-Aziz, Saverio Minucci,
8.	Imidazo[2′,1′:2,3]thiazolo[4,5-d]pyridazinone as a new scaffold of DHFR inhibitors: Synthesis, biological evaluation and molecular modeling study,	*Bioorganic Chemistry, May 2018*	**Dalal A Abou El Ella, Deena S Lasheen,**	Menna A Ewida, Heba A Ewida, Yomna I El-Gazzar, Hussein I El-Subbagh,
9.	Design, synthesis and 3D QSAR based pharmacophore study of novel imatinib analogs as antitumor-apoptotic agents,	*Future Medicinal Chemistry, May 2018*	**Deena S Lasheen,** **Nasser SM Ismail,** **Khaled AM Abouzid**	Iten M Fawzy, Khairia M Youssef,
10.	Discovery of anilino-furo [2, 3-d] pyrimidine derivatives as dual inhibitors of EGFR/HER2 tyrosine kinase and their anticancer activity,	*European Journal of Medicinal Chemistry, Jan 2018*	**Monia Hossam,** **Deena S. Lasheen,** **Nasser SM Ismail,** **Khaled AM Abouzid**	Ahmed Esmat, Ahmed M Mansour, Abdel Nasser B Singab,
11.	Design, synthesis, biological evaluation and dynamics simulation of indazole derivatives with antiangiogenic and antiproliferative anticancer activity.	*Bioorganic Chemistry, 2018*	**Nevin Elsayed** **Rabah Serya** **Dalal A. Abou El Ella,** **Khaled Abouzid**	Mai Tolba, Marwan Ahmed Khaled Barakat

12.	Synthesis and molecular docking studies of some novel Schiff bases incorporating 6-butylquinolinedione moiety as potential topoisomerase IIβ inhibitors.	R Soc Open Sci. , 2018 Jun	**Rabah Serya**	Hassanin HM Mostafa MA Abd Elmoneam WR
13.	. Alkoxyphenylthiazoles with broad-spectrum activity against multidrug-resistant gram-positive bacterial pathogens.	European Journal of Medicinal Chemistry, 2018	**Rabah Serya** **Khaled abouzid**	ElAwamy M, Mohammad H, Hussien A, Abutaleb NS, Hagras M, Taher AT, Seleem MN, Mayhoub AS. .
14.	Design, synthesis and molecular modeling study of certain VEGFR-2 inhibitors based on thienopyrimidne scaffold as cancer targeting agents	Bioorganic Chemistry, October 2018.	**Nasser S.M.Ismail** **Khaled A.M.Abouzid**	Amna Ghitha Khairia M.Youssef
15.	Synthesis, antiproliferative activity and 2D-QSAR study of some 8-alkyl-2,4-bisbenzylidene-3-nortropinones	Future Medicinal Chemistry, October 2018	**Nermin Samir**	Riham F. George, Iriny M Ayoub, ElSayed M Shalaby,, Nicola Demitri, & Michael Wink
16.	Hypoxia-mediated mitochondria apoptosis inhibition induces temozolomide treatment resistance through miR-26a/Bad/Bax axis	cell death and disease *Nov 2018*	**Khaled Abouzid**	Zhumei Shi & Bing-Hua Jiang Xin Ge, Min-Hong Pan, Lin Wang, Wei Li, Chengfei Jiang, Jun He,, Ling-Zhi Liu
17.	Novel series of 6-(2-substitutedacetamido)-4-anilinoquinazolines as EGFR-ERK signal transduction inhibitors in MCF-7 breast cancer cells	European Journal of Medicinal Chemistry 6-2018	**Dalal A Abou El Ella**	Rania SM Ismail, Sahar M Abou-Seri, Wagdy M Eldehna, Nasser SM Ismail, Sara M Elgazwi, Hazem A Ghabbour, Mahmoud Salama Ahmed, Fathi T Halaweish,

18.	Imidazo[2',1':2,3]thiazolo[4,5-d]pyridazinone as a new scaffold of DHFR inhibitors: Synthesis, biological evaluation and molecular modeling study	Bioorganic Chemistry *2018/5/26*	**Dalal A Abou El Ella, Deena S Lasheen**	Menna A Ewida,, Heba A Ewida, Yomna I El-Gazzar, Hussein I El-Subbagh
19.	Design, synthesis and biological evaluation of some novel quinazolinone derivatives as potent apoptotic inducers	*Future medicinal chemistry* *2018/5/4*	**Dalal A Abou El Ella**	Raghad M Nowar, Essam Eldin A Osman, Sahar M Abou-Seri, Samir M El Moghazy,
20.	Synthesis and QSAR Study of some Novel Heterocyclic Derivatives as In Vitro Cytotoxic Agents	*Journal of Heterocyclic Chemistry* *2018*	**Eman Zaglol Elrazaz**	Sameh A.Rizk, Salwa S.Abdelwahab

Local publications 2018:

	Publication title	Journal name /year	Authors from the department	Other Authors & their affiliation
.1	Design, synthesis, molecular docking study, and biological evaluation of salicylaldimine derivatives as potential histone deacetylases inhibitors (HDACi) and anticancer agents	Archives of Pharmaceutical Sciences, Ain Shams University	Heba M Hesham, Deena S Lasheen, Khaled AM Abouzid	
.2	HIV-1 RT-Associated RNase H review	Archives of Pharmaceutical Sciences, Ain Shams University	Madonna M A Mitry Nermin S Abdou Rabah A T Serya	

Publication list from Jan 2019- Dec 2020

International publications:

	Publication title	Journal name /year	Authors from the department	Other Authors & their affiliation
1.	**Towards discovery of novel scaffold with potent antiangiogenic activity; design, synthesis of pyridazine based compounds, impact of hinge interaction, and accessibility of their bioactive conformation on VEGFR-2 activities.**	*Journal of Enzyme Inhibition and Medicinal Chemistry* *06 Sep 2019*	Maiy Y. Jaballah Rabah A. T. Serya, Khaled A. M. Abouzid	Nasser Saad, Sohair M. Khojah, Marawan Ahmed, Khaled Barakat
2.	**Design, synthesis, biological evaluation and dynamics simulation of indazole derivatives with antiangiogenic and antiproliferative anticancer activity.**	*Bioorganic Chemistry* *February 2019,*	Nevine M.Y.Elsayed Rabah A.T.Serya Dalal A.Abou El Ella Khaled A.M.Abouzid	Mai F.Tolba Marawan Ahmed Khaled Barakat
3.	**1,2,4-Oxadiazole derivatives targeting EGFR and c-Met degradation in TKI resistant NSCLC.**	*European Journal of Medicinal Chemistry* *15 November 2019*	Eman M.E.Dokla Khaled A.M.Abouzid	Chun-Sheng Fang Ching S.Chen
4.	**Design and Synthesis of New Quinoxaline Derivatives as Anticancer Agents and Apoptotic Inducers.**	*molecules*	Nasser S. M. Ismail Dalal A. Abou El Ella Khaled A.M. Abouzid	Aliya M. S. El Newahie Yassin M. Nissan Sohair M. Khojah
5.	**Design, synthesis and molecular modeling study of certain VEGFR-2 inhibitors based on thienopyrimidne scaffold as cancer targeting agents.**	*Bioorganic Chemistry* *March 2019*	Nasser S.M.Ismail Khaled A.M.Abouzid	Amna Ghith Khairia M.Youssef
6.	**Design, synthesis and molecular docking of novel pyrazolo[1,5-a][1,3,5]triazine derivatives as CDK2 inhibitors.**	*Bioorganic Chemistry* *November 2019*	Nermin Samir Rabah A.T. Serya Khaled A.M Abouzid	Khulood H. Oudah Mazin A.A.Najm

7.	**3D-QSAR pharmacophore modelling, virtual screening and docking studies for lead discovery of a novel scaffold for VEGFR 2 inhibitors: Design, synthesis and biological evaluation.**	*Bioorganic Chemistry* *August 2019*	Deena S.Lasheen Khaled A.M.Abouzid	Mahitab K.Sobhy Samar Mowafy Nahla A.Farag
8.	**Design and synthesis of phthalazine-based compounds as potent anticancer agents with potential antiangiogenic activity via VEGFR-2 inhibition.**	*Journal of Enzyme Inhibition and Medicinal Chemistry* *19 Jul 2019.*	Deena S. Lasheen, Khaled A. M. Abouzid	Tamer M. Ibrahim, Tamer M. Abdelghany, Sohair M. Khojah Asmaa M. Aboul-Magd Salwa Elmeligie
9.	**Phosphatidylinositol 3 kinase (PI3K(** **inhibitors as new weapon to combat** **cancer**	*European Journal of Medicinal Chemistry* *2019*	Fatma M. Elmenier Deena S. Lasheen, Khaled A. M. Abouzid	
10.	**Development of benzimidazole-based derivatives as antimicrobial agents and their synergistic effect with colistin against gram-negative bacteria**	*European Journal of Medicinal Chemistry* *5 nov 2019*	Eman M.E. Dokla, Sandra N. Milik Karim Elbaz Menna-Allah W. Shalaby Maha Nasr Khaled A.M. Abouzid	Nader S. Abutaleb, Mohamed N. Seleem Christian D. Klein Rawan Al-Karaki, Daoyi Li
.11	**Type IIA - Type IIB protein tyrosine kinase inhibitors hybridization as an efficient approach for potent multikinase inhibitor development: Design, synthesis, anti-proliferative activity, multikinase inhibitory activity and molecular modeling of novel indolinone-based ureides and amides**	European Journal of Medicinal Chemistry. 2019	Ghada H. Al-Ansary	Wagdy M. Eldehna, Ahmed M. El Kerdawy, , Sara T. Al-Rashood, Mamdouh M. Ali h , Abeer E. Mahmoud h. "
.12	**Synthesis, Biological Evaluation and In Silico Studies of Certain Oxindole-Indole Conjugates as Anticancer CDK Inhibitors**	Molecules. 2020	Ghada H. Al-Ansary	Tarfah Al-Warhi, Ahmed M. El Kerdawy, Nada Aljaed, Omnia E. Ismael, Rezk R. Ayyad, Wagdy M. Eldehna, Hatem A. Abdel-Aziz
.13	**"Novel [(N-alkyl-3-indolylmethylene)hydrazono]oxindoles arrest cell cycle and induce cell**	Journal of enzyme inhibition.	Ghada H. Al-Ansary	Tarfah Al-Warhi, Mahmoud F. Abo-Ashour, Hadia

	apoptosis by inhibiting CDK2 and Bcl-2: synthesis, biological ,evaluation and in silico studies."	2020		Almahli, Ohoud J. Alotaibi, Mohamed M. Al-Sanea, , Hanaa Y. Ahmed, Mahmoud M. Elasser, Wagdy M. Eldehna and Hatem A. Abdel-Aziz.
14.	**Penicillin binding protein 2a: An overview and a medicinal chemistry perspective**	*European Journal of Medicinal Chemistry* *18 April 2020*	Menna-Allah W. Shalaby Eman M.E. Dokla, Rabah A.T. Serya Khaled A.M. Abouzid	
15.	**Targeting YAP Degradation by a Novel 1, 2, 4-Oxadiazole Derivative via Restoration of the Function of the Hippo Pathway**	*ACS Medicinal Chemistry Letters* *5 March 2020*	Eman M.E.Dokla Khaled A.M.Abouzid	Chun-Sheng Fang Ching S.Chen Po-Chen Chu
16.	**Scaffold hopping and redesign approaches for quinazoline based urea derivatives as potent VEGFR-2 inhibitors**	*Bioorganic Chemistry* *26 May 2020*	Eman Z. Elrazaz Deena S. Lasheen Khaled A.M.Abouzid	SR Abd El Hadi DH Soliman
17.	**Synthesis and in-vitro anti-proliferative evaluation of some pyrazolo[1,5-a]pyrimidines as novel larotrectinib analogs**	*Bioorganic Chemistry* *Jan 2020*	Eman Z Elrazaz Khaled A M Abouzid	Mohamed H Attia Soad Z El-Emam Azza T Taher Hatem A Abdel-Aziz
18.	**Design, Synthesis, and Biological Evaluation of novel 7H-[1,2,4]Triazolo[3,4-b][1,3,4]thidiazine inhibitors as antitumor agents**	*ACS Omega* *16 July 2020*	Nermin Samir Khaled A M Abouzid	Mohammed I. Ismail Samy Mohamady
.19	**Design, synthesis and biological evaluation of a new thieno[2,3-d]pyrimidine-based urea derivative with potential antitumor activity against tamoxifen sensitive and resistant breast cancer cell lines**	*Journal of enzyme inhibition and Medicinal Chemistry* *2020*	Marwa A. Aziz Khaled A. M. Abouzid	Marwa Sharaky, Mervat Omran, Monira M. Rageh, Samia A. Shouman

.20	**Elaborating piperazinyl-furopyrimidine based scaffolds as phosphoinositol-3-kinase enzyme alpha (PI3Kα) inhibitors to combat pancreatic cancer**	*RSC advances 2020*	Deena Samy Lasheen, , Khaled AM Abouzid	Mai Ali Mansour Hatem M Gaber

Local publications 2019:

	Publication title	Journal name /year	Authors from the department	Other Authors& their affiliation
1.	**Selective Small Molecule Myeloid Cell Leukemia-1 (MCL-1) Inhibitors : Novel Agents in Cancer Therapy**	**Archives of Pharmaceutical Sciences Ain Shams University,2019**	**Dalal.A. Abou.El Ella** **Rabah Ahmed Taha** **Deena Samy Lasheen** **Hoda Sobhy**	
2.	**Identification of novel pyrazole and benzimidazole based derivatives as PBP2a inhibitors: Design, synthesis, and biological evaluation.**	**Archives of Pharmaceutical Sciences Ain Shams University,2019**	**Menna-Allah W. Shalaby** **Eman M.E. Dokla** **Rabah A. T. Serya** **Khaled A. M. Abouzid**	

3.	**Apoptosis in cancer: from pathogenesis to discovery of advanced selective Bcl-2 family inhibitors**	**Archives of Pharmaceutical Sciences Ain Shams University,2019**	**Dalal.A. Abou.El Ella** **Deena S. Lasheen** **Nermin S. Abdou** **Samaa Abbas**	