Rashad AlSalahi

Professor of Medicinal Chemistry

PERSONAL PROFILE

Nationality : Yemeni

Date of Birth: 01/01/1976

Marital Status: Married and has 4 children

CONTACT INFO

00966560915711

ralsalahi@ksu.edu.sa
salahi76@yahoo.com

King Saud University
College of Pharmacy
Riyadh-Saudi Arabia

http://orcid.org/0000-0003-1747-2736
https://www.researchgate.net/profile/Rashad_Al-salahi

https://scholar.google.com/citations?user=UTud5WAAAAAJ&hl=ar

https://www.webofscience.com/wos/author/record/AAY-5539-2020

https://publons.com/dashboard/records/publication/authored/orId=36520711200

https://fac.ksu.edu.sa/ralsalahi/home

languages

- Arabic native
- English
- Germany

EDUCATION

Sanaa university- Yemen
Medicine Faculty
Bachelor of Pharmacy
1995-1999

Hamburg University- Germany
Institute of pharmacy
PhD in Medicinal chemistry
2004-2009

ACADEMIC EXPERIENCE

2020-present **Professor**/ in Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University
2015-2020 **Associate Professor**/ in Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University
2010-2015 **Assistant Professor**/ in Pharmaceutical Chemistry Department, College of Pharmacy, King Saud University.

Objectives and interests

Developing plans to identify, create, develop, and characterise bioactive chemicals from a pharmacological and analytic perspective.

An interest in and motivation for the drug discovery process and synthesis of bioactive compounds as anticancer, antiviral, antioxidant, antimicrobial and…….etc).

The capacity to plan and execute scientific investigations safely and precisely. Data Interpretation pertaining to our investigations, such as NMR, IR, and MS of substances, and their biological results.

Study structure activity relationship of the target molecules and optimization of lead structures and their synthetic routes.

QSAR and molecular docking studies.

RESPONSIBILITIES

Teaching courses in Medicinal and organic chemistry
plan and conduct scientific experiments in the lab to create and refine target molecules.
follow health and safety guidelines and safe working practices.
undertake data analysis to assess the results of experiments and the characteristics of the molecules produced.
write up experiments accurately
work closely with other scientific colleagues across different disciplines
keep up to date with scientific literature

Membership in following societies

1- Saudi Pharmaceutical Society, Saudi Arabia
2- Yemeni Physicians and Pharmacists Association, Yemen

Honours and Awards

1- Institutional Funding for Research and innovation oriented research publishing support program (IFKSUOR3-347).
2- Research Groups Program , Deanship of Scientific Research (RG-1435-068)
3- Researchers Supporting Project, distinguished scientific fellowship program (RSP-353).

Teaching Experiences

1- Participated in the teaching of the following courses at College of Pharmacy KSU:
2- Medicinal Chemistry PHC 428, PHARM 314, PHARM 324,
3- Organic chemistry PHARM 212

Publications list

1. Youness El Bakri; Malahat Kurbanova; Atazaz Ahsin; Fidan Gurbanova; Muhammad Ashfaq; Onur Şahin; Muhammad Nawaz Tahir; Aamna Qamar; Hatem A. Abuelizz; **Rashad Al-Salahi**. Single crystal XRD, Hirshfeld surface analysis and computational approach for exploration of novel xanthene derivative. **Journal of Molecular Structure, 1321, Part 2, 139896 (2025).**
2. Ahmed H. Bakheit; Hatem A. Abuelizz; **Rashad Al-Salahi**. Crystallographic analysis, Hirshfeld surface investigation, and DFT calculations of 2-phenoxy-triazoloquinazoline molecule: Implications for drug design. **Journal of Molecular Structure. 1319, Part 1, 139436 (2025),**
3. Atazaz Ahsin; Malahat Kurbanova; Sajjad Ahmad; Aamna Qamar; Muhammad Ashfaq; Muhammad Nawaz Tahir; Necmi Dege; Onur Şahin; Hatem A. Abuelizz; **Rashad Al-Salahi** . Synthesis, structure, supramolecular assembly inspection by Hirshfeld surface analysis, DFT study and molecular docking inspection of 4,5-bis(2-chlorophenyl)-8a-phenylhexahydropyrimido[4,5-d]pyrimidine-2,7(1H,3H)-dithione. . **Journal of Molecular Structurem, 1319, Part 2, 139580, (2025).**
4. Jawher Makhlouf; Youness El Bakri; Wensheng Bian; Atazaz Ahsin**; Rashad Al-Salahi;** Arto Valkonen; Wajda Smirani. rystal structure and electronic structure calculations of a novel organic triphosphate complex: excellent electrochemical properties with ultra-efficient lithium storage capacity. New J. Chem., 48, 10507-10521. (2024).
5. Anissa Hannachi; Youness El Bakri; Kandasamy Saravanan; Carlos J. Gómez-García; Hatem A. Abuelizz; **Rashad Al-Salahi**; Wajda Smirani. Metamagnetism and canted antiferromagnetic ordering in two monomeric CoII complexes with 1-(2-pyrimidyl)piperazine. Hirshfeld surface analysis and theoretical studies. **RSC Adv.**, **14**, 11557-11569, (2024).
6. **Rashad Al-Salahi,** Rim Bechaieb, Maha F El-Tohamy, Gamal AE Mostafa. Integrated insights into the structure, spectroscopy, and reactivity of a novel brucinium tetraphenylborate: a comprehensive computational and experimental study. **Journal of Molecular Structure, 137831, (2024).**

7. Amal Ferchichi; Jawher Makhlouf; Kelechi Chukwuemeka; Arto Valkonen; Hatem A. Abuelizz; **Rashad Al-Salahi;** Youness El Bakri; Wajda Smirani. Synthesis, crystal structure, thermal analysis, spectroscopic, optical polarizability, and DFT studies, and molecular docking approaches of novel 2-methyl-benzylammonium derivatives for potential anti-inflammatory control. **New J. Chem.**, **48**, 15747-15759, (2024).
8. Youness El Bakri; Sabir Ali Siddique; Shaaban K. Mohamed; Muhammad Sarfraz; Hatem A. Abuelizz; **Rashad Al-Salahi**; Joel T. Mague; Eman A. Ahmed. Synthesis, investigation of the crystal structure, DFT calculations, and in silico medicinal potential of hydrazono- and aminomethylene substituted pyrazolidine-3,5-diones as potential anticancer scaffolds. **New J. Chem.**, 2024,**48**, 12591-1260, (2024).
9. Jawher Makhlouf; Hitler Louis; Innocent Benjamin; Ismail O. Amodu; Arto Valkonen; Hatem A. Abuelizz; Youness El Bakri; **Rashad Al-Salahi;** Wajda Smirani Sta. Preparation of novel $[Co(SCN)_4]$ hybrid material: crystal structure investigation, DFT mechanistic analysis, antioxidant activity, and molecular docking study for potential inflammatory disorder control. **Journal of sulfur chemistry, 45, 511-533 (2024).**
10. Wajiha Akbar; Shahana Ehsan; Sabir Ali Siddique; Muhammad Sarfraz; Faiqa Shaheen; Ayesha Shafqat; Shahnaz; Muhammad Bilal Ahmed Siddique; Ayesha Saeed; **Rashad Al-Salahi.** Solid Phase Synthesis, DFT Calculations, Molecular Docking, and Biological Studies of Symmetrical N2,N4,N6-Trisubstituted-1,3,5-triazines**. ACS Omega, 9, 32, (2024).**
11. Youness El Bakri, Shaaban K Mohamed, Subramani Karthikeyan, Etify A Bakhite, Atazaz Ahsin, Suzan Abuelhassan, Islam S Marae, Abdelhamid AE Soliman, Esraa Khamies, Maha QM Qahtan, Hatem A Abuelizz, **Rashad Al-Salahi,** Joel T Mague. Theoretical and experimental investigation on newly synthesized Pyrazolopyridine derivatives: Insight into the compound activity, NLO response, and molecular dynamics. **Journal of molecular structure, 140139, (2024**
12. Jawher Makhlouf; Hitler Louis; Bartholomew B. Isang; Youness El Bakri; Bernard Okoro; Arto Valkonen; Hatem A. Abuelizz; **Rashad Al-Salahi**; Wajda Smirani Sta. Single crystal investigations, Hirshfeld surface analysis, DFT studies, molecular docking, physicochemical characterization, antiferromagnetic behavior, and biological activity of Bis(Homopiperazinium)-Nickel Diaquatetrakis(Isothiocyanato)-Nicke. **Polyhedron, 256, 116997, (2024).**
13. Makhlouf, Jawher; Ben Smida, Youssef; Valkonen, Arto; El Bakri, Youness; Abuelizz, Hatem A.; **Al-Salahi, Rashad**; Smirani, Wajda. Novel complex based on [Co(SCN)4] and piperazine derivate: Synthesis, characterization, theoretical study, thermal features, optical studies and electronic investigations. **Polyhedron, 260, 117083, (2024).**
14. Mohamed, SK Karthikeyan, S ; Ahsin, A ; Omran, OA ; Mague, JT ; Al-Salahi, R ; El Bakri, Y. Synthesis, Crystal Structure, Computational Investigation of Vanillin Azine Derivative as Potent Blocker of the N-Terminal Ras-Binding Domain (RBD) in Human a-Raf Kinas. ChemistrySelect, e202305179, (2024).
15. Ferchichi, A ; Makhlouf, J ; Valkonen, A ; Abuelizz, HA; Al-Salahi, R ; El Bakri, Y ; Smirani, W. **Comprehensive Experimental and DFT-Based Theoretical Analysis of a Novel Cobalt(II) Complex: Structural Characterization and Optical Properties. ChemistrySelect,** e202402929, (2024).

16. **Sharmoukh, W ; Ahsin, A ; Karthikeyan, S; Mohamed, SK ; Marae, IS ; Bakhite, EA ; Soliman, AAE ; Gahtan, MGM; Abuelizz, HA ; Al-Salahi, R.** Investigation of synthesis, spectroscopic characterization, crystal structure, and computational studies of 3-(4-(dimethylamino)phenyl)-1,5-di(thiophen-2-yl)pentane-1,5-dione as potent against *Cathepsin* S. **Journal of sulfur chemistry,** DOI 10.1080/17415993.2024.2407879 (2024).
17. Mohamed, Shaaban K.; Lai, Chin-Hung; Karthikeyan, Subramani; Soliman, Abdelhamid A. E.; Radwan, Shaban M.; Marae, Islam S.; Zaki, Remon M.; Bakhite, Etify A.; Mague, Joel T.; Abuelizz, Hatem A. **Rashad Al-salahi.** Synthesis, single crystal investigations, and quantum computational investigation of a new 1,1 ′-(3,5-dhydroxy-3-methyl-2 ′-nitro-1,2,3,4-tetrahydro-[1,1 ′-biphenyl]-2,6-diyl)bis(ethan-1-one) as a potent inhibitor for Cytochrome P450 3A4. **Journal of Molecular Structure, 1315, 138895, (2024).**
18. Bakhite, Etify A.; Mohamed, Shaaban Kamel; Lai, Chin-Hung; Subramani, Karthikeyan; Marae, Islam S.; Abuelhassan, Suzan; Soliman, Abdelhamid A. E.; Youssef, Mohamed S. K.; Abuelizz, Hatem A.; Mague, Joel T. **Rashad Al-Salahi**. Synthesis, Crystal Structure, Hirshfeld Surface Analysis, and Computational Approach of a New Pyrazolo[3,4-g]isoquinoline Derivative as Potent against Leucine-Rich Repeat Kinase 2 (LRRK2). **ACS Omega, 9, 28, (2024).**
19. Rizvan Kamil oglu Askerov, Youness El Bakri, Vladimir Kimovich Osmanov, Atazaz Ahsin, Evgeny Vadimovich Chipinsky, Matsulevich Zhanna Vladimirovna, Julia Mikhailovna Lukiyanova, Olga Nikolaevna Kovaleva, Victor Nikolaevich Khrustalev, Peregudov Alexander Sergeevich, Evgeny Vladimirovich Baranov, Abel Mammadali oglu Magerramov, **Rashad Al-Salahi,** Aleksandr Vladimirovich Boriso. Synthesis, crystal structure, exploration of the supramolecular assembly through Hirshfeld surface analysis of new 2, 4-dihydro-1H-1, 2, 4-triazole-3-selones and 3, 3'-di (4H-1, 2, 4-triazolyl) diselenides. **Journal of Organometallic Chemistry, 1006, 123019, (2024).**
20. Shaaban K Mohamed, Subramani Karthikeyan, Omran A. Omran, Atazaz Ahsin, Hanan Salah, Joel T Mague, **Rashad Al-Salahi,** Youness El Bakri. Insights into the crystal structure investigation and virtual screening approach of quinoxaline derivatives as potent against c-Jun N-terminal kinases 1. **Journal of Biomolecular Structure and Dynamics, 1-20 (2024).**
21. Attique, Sana; Ibrahim, Muhammad; Khan, Changeez; Ali, Akbar; Qadir, Rahman; Khan, Ajmir; **Al-Salahi, Rashad;** Abuelizz, Hatem A.; Medeiros, Paulo da Silva; Sampaio, Olivia Moreira. Evaluation of Antimicrobial and Antioxidant Potential of Oxalis corymbosa Extracts. **Chemistry and Biodiversity, DOI, 0.1002/cbdv.202400883 (2024).**
22. Shaaban K Mohamed, Atazaz Ahsin, Hafiz Muzzammel Rehman, Hayam H Mohammed, Joel T Mague, Rashad Al-Salahi, Youness El Bakri, Bahgat RM Hussei. XRD/DFT, Hirshfeld surface analysis and molecular modelling simulations for unfolding reactivity of newly synthesized vanillin derivatives: excellent optical, NLO and protein. **Journal of Biomolecular Structure and Dynamics, 1-19 (2024).**
23. Youness El Bakri, Malahat Kurbanova, Atazaz Ahsin, Subramani Karthikeyan, Abel Maharramov, **Rashad Al-Salahi**, Sevgi Kansız, Suraj N Mali, Muhammad Ashfaq. Synthesis, crystal structure investigation, and theoretical approaches to discover potential 6-bromo-3-cyanocoumarin as a potent inhibitor MetAP (methionine aminopeptidase) 2. **Chemical Physics Impact, 100477 (2024).**

24. Nadia Akram, Muhammad Shahbaz, Khalid Mahmood Zia, Muhammad Usman, Akbar Ali, **Rashad Al-Salahi**, Hatem A Abuelizz, Cédric Delattre. Investigation of the in vitro biological activities of polyethylene glycol-based thermally stable polyurethane elastomers. **RSC advances 14 (2), 779-793, (2024).**
25. Jawher Makhlouf, Youness El Bakri, Arto Valkonen, Kandasamy Saravanan, Sajjad Ahmad, **Rashad Al-Salahi**, Wajda Smirani. Self-assembly, virtual screening of a new cobalt complex: Synthesis, empirical, DFT calculations, biological activity investigations and identification of inhibitory activity . **Inorganic Chemistry Communications 159, 111723 (2024).**
26. Shaaban K Mohamed, Subramani Karthikeyan, Etify A Bakhite, Chin-Hung Lai, Suzan Abulhassan, Islam S Marae, **Rashad Al-Salahi,** Safiyyah AH Al-Waleedy, Joel T Mague, Youness El Bakri. Synthesis, crystal structure characterization and computational investigation of new thieno [2, 3-b] pyridine derivatives as potent against molecule p38 alpha MAP kinase. **Journal of Molecular Structure 1294, 136475 (2023).**
27. Rizvan K oglu Askerov, Youness eL Bakri, Vladimir K Osmanov, Evgeny V Chipinsky, Sajjad Ahmad, Zanna V Matsulevich, Galina N Borisova, Olga V Kuzina, Victor N Khrustalev, Alexander S Peregudov, Alexander O Chizhov, Abel M oglu Magerramov, **Rashad Al-Salahi,** Aleksandr V Borisov. New 2, 4-dihydro-1H-1, 2, 4-triazole-3-selones and 3, 3'-di (4H-1, 2, 4-triazolyl) diselenides. Synthesis, biological evaluation, and in silico studies as antibacterial and fungicidal agents. **Bioorganic Chemistry 141, 106896 (2023).**
28. Jawher Makhlouf, Atazaz Ahsin, Youness El Bakri, Arto Valkonen, **Rashad Al-Salahi**, Wajda Smirani. Insight into a novel cobalt complex with promising electric energy stocker properties: A combined DFT and experimental study**. Inorganic Chemistry Communications 158, 111537 (2023**).
29. Malahat Musrat Kurbanova, Abel Mammadali Maharramov, Arzu Zabit Sadigova, Fidan Zaur Gurbanova, Suraj Narayan Mali, **Rashad Al-Salahi**, Youness El Bakri, Chin-Hung Lai. Synthesis, Characterization, DFT, and In Silico Investigation of Two Newly Synthesized β-Diketone Derivatives as Potent COX-2 Inhibitors**. Bioengineering 10 (12), 1361 (2023).**
30. Essam A Ali, Rim Bechaieb, **Rashad Al-Salahi**, Ahmed SM Al-Janabi, Mohamed W Attwa, Gamal AE Mostafa. Supramolecular Structure, Hirshfeld Surface Analysis, Morphological Study and DFT Calculations of the Triphenyltetrazolium Cobalt Thiocyanate Complex. **Crystals 13 (11), 1598 (2023).**
31. Youness El Bakri, Shaaban K Mohamed, Atazaz Ahsin, Etify A Bakhite, Islam S Marae, Safiyyah AH Al-waleedy, Joel T Mague, **Rashad Al-Salahi.** X-ray Diffraction, Spectroscopy, Optical Properties, NPA, NBO, FMO, and Hirshfeld Surface Analyses of Two Newly Synthesized Piperidinium Ionic Liquids. **Crystals 13 (11), 1583 (2023).**
32. Gamal AE Mostafa, Maha F El-Tohamy, Essam A Ali, **Rashad Al-Salahi,** Mohamed W Attwa, Haitham AlRabia. Ionophore-Based Polymeric Sensors for Potentiometric Assay of the Anticancer Drug Gemcitabine in Pharmaceutical Formulation: A Comparative Study. **Molecules 28 (22), 7552 (2023).**
33. Shaaban K Mohamed, Atazaz Ahsin, Ahmed Khodairy, Sahar MI Elgarhy, Joel T Mague, **Rashad Al-Salahi,** Youness El Bakri. Synthesis, crystal structure, Hirshfeld surface analysis, energy framework, NBO-NLO analysis of new ethyl 2-benzoyl-3, 3-bis (methylthio) acrylate. **Structural Chemistry, 1-13 (2023).**
34. Youness El Bakri, Shaaban K Mohamed, Atazaz Ahsin, Subramani Karthikeyan, Suzan Abuelhassan, Abdu E Abdel-Rahman, Islam S Marae, Etify A Bakhite, Joel T Mague, **Rashad Al-Salahi.** Synthesis, crystal structure investigation,

Hirshfeld and DFT studies of newly synthesized dihydroisoquinoline derivatives. **Arabian Journal of Chemistry, 16 (11), 105294 (2023).**

35. Nadia Akram, Iram Shahzadi, Khalid Mahmood Zia, Muhammad Saeed, Akbar Ali, **Rashad Al-Salahi,** Hatem A Abuelizz, Francis Verpoort. Fabrication and In Vitro Biological Assay of Thermo-Mechanically Tuned Chitosan Reinforced Polyurethane Composites. **Molecules 28 (20), 7218 (2023).**
36. Shaaban K Mohamed, Subramani Karthikeyan, Esraa Khamies, Atazaz Ahsin, Etify Bakhite, Islam S. Marae, Talaat I. El-Emary, Joel T Mague, Awad I. Said, **Rashad Al-Salahi,** Youness El Bakri Synthesis, structural and X-ray analysis evaluations and computational studies of newly tetrahydroisoquinoline derivatives as potent against microsomal prostaglandin E synthase 1. **Journal of Biomolecular Structure and Dynamics, 1-15 (2013).**
37. Tarek A Yousef, Haitham Alrabiah, Mohamed H Al-Agamy, **Rashad Al-Salahi,** Essam A Ali, Gamal AE Mostafa. Synthesis of (R)-(6-Methoxyquinolin-4-yl)[(1S, 2S, 4S, 5R)-5-vinylquinuclidin-2-yl] methanol Tetraphenylborate Ion-Pair Complex: Characterization, Antimicrobial, and. **Molecules 28 (19), 6974 (2023).**
38. Ahmed H Bakheit, Hatem A Abuelizz, **Rashad Al-Salahi**. Hirshfeld Surface Analysis and Density Functional Theory Calculations of 2-Benzyloxy-1,2,4-triazolo[1,5-*a*] quinazolin-5(4*H*)-one: A Comprehensive Study on . **Crystals 13 (10), 1410 (2023).**
39. Essam A Ali, Muzaffar Iqbal, Gamal AE Mostafa, **Rashad Al Salahi**. Development and Validation of an Ecofriendly, Rapid, Simple and Sensitive UPLC-MS/MS Method for Entrectinib Quantification in Plasma for Therapeutic Drug Monitoring. **Separations 10 (9), 494 (2023).**
40. Essam A Ali, Mohamed A Ibrahim, Muzaffar Iqbal, **Rashad Alsalahi**, Gamal A Mostafa, Suliman Al Jarboua. Application of a Quality by Design Approach to Develop a Simple, Fast, and Sensitive UPLC-MS/MS Method for Quantification of Safinamide, an Antiparkinson's Drug, in Plasma. **Separations 10 (9), 474 (2023).**
41. Youness El Bakri, Shaaban K Mohamed, Atazaz Ahsin, Subramani Karthikeyan, Suzan Abuelhassan, Abdu E Abdel-Rahman, Islam S Marae, Etify A Bakhite, Joel T Mague, **Rashad Al-Salahi**. Synthesis, Crystal Growth, and Computational Investigation of New Tetrahydroisoquinoline Derivatives Potent against Molecule Nitric Oxide Synthases. **Crystals 13 (8), 1161 (2023).**
42. Synthesis, Crystal Structure, and Computational Investigations of 2-(2-(4-Fluorophenyl)-2-oxoethyl)-6-methyl-5-(4-methylbenzyl)pyridazin-3(2*H*)-one as Antiviral . Fouad El Kalai, Christina Susan Abraham, Sevgi Kansiz, Afaf Oulmidi, Sambantham Muthu, Johanan Christian Prasana, Necmi Dege, Hatem A Abuelizz, **Rashad Al-Salahi,** Noureddine Benchat, Khalid Karrouchi. **Crystals 13 (7), 1098 (2023).**
43. Ahmed H Bakheit, **Rashad Al-Salahi,** Hazem A Ghabbour, Essam A Ali, Obaid S AlRuqi, Gamal AE Mostafa. Synthesis, X-ray Crystal Structure, and Computational Characterization of Tetraphenylborate, 3-(5H-Dibenzo [a, d] cyclohepten-5-ylidene)-N, N-Dimethyl-1-propanamine. **Crystals 13 (7), 1088 (2023).**
44. Ahmed H Bakheit, Hatem A Abuelizz, **Rashad Al-Salahi.** A DFT Study and Hirshfeld Surface Analysis of the Molecular Structures, Radical Scavenging Abilities and ADMET Properties of 2-Methylthio (methylsulfonyl)-[1, 2, 4] triazolo [1 . **Crystals 13 (7), 1086 (2023).**
45. Gamal AE Mostafa, Essam A Ali, **Rashad A Alsalahi,** Haitham Alrabiah. Fabrication and Applications of Potentiometric Membrane Sensors Based on Specific Recognition Sites for the Measurement of the Quinolone Antibacterial Drug Gemifloxacin. **Molecules 28 (13), 5144, (2023).**

46. Haitham Alrabiah, Essam A Ali, **Rashad A Alsalahi,** Mohamed W Attwa, Gamal AE Mostafa. Fabrication and Applications of Potentiometric Membrane Sensors Based on γ-Cyclodextrin and Calixarene as Ionophores for the Determination of a Histamine H1-Receptor Antagonist . **Polymers 15 (13), 2808, (2023).**
47. Nasser S Al-Shakliah, Adnan A. Kadi, Hatem A Abuelizz, **Rashad Al-Salahi.** In Vitro and Reactive Metabolites Investigation of Metabolic Profiling of Tyrosine Kinase Inhibitors Dubermatinib in HLMs by LC–MS/MS. **Separations 10 (6), 353 (2023).**
48. Youness El Bakri, Malahat Kurbanova, Atazaz Ahsin, Nacaf Ramazanzade, **Rashad Al-Salahi.** A Probe to Surface Reactivity, Crystal Structure, and DFT Investigations for Newly Synthesized 4, 5-bis (4-Nitrophenyl)-8a-phenyl-decahydro-[1, 3] diazino [4, 5-d] pyrimidine-2 . **Crystals 13 (6), 942 (2023).**
49. Hatem A Abuelizz, Ahmed H Bakheit, Mohamed Marzouk, Waled M El-Senousy, Mohamed M Abdellatif, Gamal AE Mostafa, Quaiser Saquib, Sawsan B Hassan, **Rashad Al-Salahi.** Antiviral activity of some benzo [g] quinazolines against coxsackievirus B4: biological screening and docking study . **Pharmacological Reports, 75 (4) .962-978 (2023).**
50. Hatem A. Abuelizz, Ahmed H. Bakheit, Mohamed Marzouk, Waled M. El-Senousy, Mohamed M. Abdellatif, Gamal A. E. Mostafa and **Rashad Al-Salahi**. Evaluation of Some Benzo[g]Quinazoline Derivatives as Antiviral Agents against Human Rotavirus Wa Strain: Biological Screening and Docking Study. **Curr. Issues Mol. Biol. 45, 2409–2421, (2023)**.
51. Hatem A. Abuelizz, Ahmed H. Bakheit, Mohamed Marzouk, Waled M. El-Senousy, Mohamed M. Abdellatif, Gamal A. E. Mostafa and **Rashad Al-Salahi**. Biological Investigation of 2-Thioxo-benzo [g] quinazolines against Adenovirus Type 7 and Bacteriophage Phi X174: An In Vitro Study **Curr. Issues Mol. Biol. 45 (5), 3787-3800, (2023)**.
52. Abuelizz HA, Bakheit AH, Al-Agamy MH, Rashid H, Mostafa GAE, **Rashad AlSalahi.** Benzo [g] quinazolines as antifungal against candidiasis: screening, molecular docking, and QSAR investigations. **Saudi Pharm. J. 31 (6), 815-823, (2023)**
53. Hatem A. Abuelizz, **Rashad Al-Salahi.** Signifcant pharmacological activities of benzoquinazolines scaffold. **Pharmacological Reports , 75 (2), 223-235, (2023)**
54. Gamal A. E. Mostafa, Ahmed H. Bakheit, Mohamed H. Al-Agamy, **Rashad Al-Salahi**, Essam A. Ali and Haitham Alrabiah. Synthesis of 4-Amino-N-[2 (diethylamino)Ethyl]Benzamide Tetraphenylborate Ion-Associate Complex: Characterization, Antibacterial and Computational Study. **Molecules 2023, 28, 2256 (2023).**
55. Hatem A. Abuelizz, Ahmed H. Bakheit, Mohamed Marzouk, Mohamed M. Abdellatif, **Rashad Al-Salahi.** Reactivity of 4,5-Dichlorophthalic Anhydride towards Thiosemicarbazide and Amines: Synthesis, Spectroscopic Analysis, and DFT Study. ***Molecules 27*(11), 3550 (2022).**
56. Ahmed H. Bakheit, Hazem A. Ghabbour, Hadayt Hussain, **Rashad Al-Salahi,** Essam A. Ali and Gamal A. E. Mostafa. Synthesis and Computational and X-ray Structure of 2, 3, 5-Triphenyl Tetrazolium, 5-Ethyl-5-phenylbarbituric Acid Salt**. *Crystals 12*(12), 1706 (2022).**

57. Haya I Aljohar, Abdulmajeed A Alghamdi, Nasr Y Khalil, Hany W Darwish, **Rashad Al-Salahi,** Ibrahim A Darwish. Development and Validation of 96-Microwell-Based Spectrophotometric and High-Performance Liquid Chromatography with Fluorescence Detection Methods with High Throughput for Quantitation of Duvelisib and Seliciclib in Their Bulk Forms and Capsules. **Applied Sciences, 10624, 12, (2022).**
58. Abdullah M Al-Hossaini, Hany W Darwish, Ahmed Y Sayed, Nasr Y Khalil, **Rashad Al-Salahi,** Ibrahim A Darwish. Development and Validation of a Novel Microwell-Based Fluorimetric Method Assisted with Fluorescence Plate Reader for High-Throughput Determination of Duvelisib to the Analysis of Capsules and Plasma Samples. **Applied Sciences, 10460, 12, (2022)**
59. Ahmed H. Bakheit; **Rashad Al-Salahi.** Abdulrahman A. Al-Majed Thermodynamic and Computational (DFT) Study of Non-Covalent Interaction Mechanisms of Charge Transfer Complex of Linagliptin with 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone (DDQ) and Chloranilic acid (CHA). **Molecules, 6320, 27, (2022)**
60. Asmae Hbika, Nour Elhouda Daoudi, Abdelhamid Bouyanzer, Mohamed Bouhrim, Hicham Mohti, El Hassania Loukili, Hamza Mechchate, **Rashad Al-Salahi,** Fahd A Nasr, Mohamed Bnouham, Abdelhamid Zaid. Artemisia absinthium L. Aqueous and Ethyl Acetate Extracts: Antioxidant Effect and Potential Activity In Vitro and In Vivo against Pancreatic α-Amylase and Intestinal α-Glucosidase. **Pharmaceutics, 14 (3), 431, (2022).**
61. Abdulsalam aAlhalmi, Saima Amin, Sarwar Beg, **Rashad Al-Salahi,** Showkat R. mir, Kanchan Kohli. Formulation and optimization of naringin loaded nanostructured lipid carriers using Box-Behnken based design: In vitro and ex vivo evaluation **Journal of Drug Delivery Science and Technology**, **74 , 103590 (2022).**
62. Imane Tagnaout; Hannou Zerkani; Nadia Hadi; Bouchra El Moumen; Fadoua El Makhoukhi; Mohamed Bouhrim; **Rashad Al-Salahi;** Fahd A. Nasr; Hamza Mechchate; Touriya Zair. Chemical Composition, Antioxidant and Antibacterial Activities of Thymus broussonetii Boiss and Thymus capitatus (L.) Hoffmann and Link Essential Oils. **Plant, 954, 11, (2022).**
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