CURRICULUM VITAE

PERSONAL DATA

Name	Tarek Ahmed Ibrahim Yousef
Nationality	Egyptian
Position	Associate prof of Inorganic Chemistry Department of Chemistry, Science College, Al Imam Muhammad Ibn Saud Islamic University
E-Mail	tayousef@imamu.edu.sa
Phone	0542558646

EDUCATION

Year	Academic Degree	Institution
1999	B. Sc. Science	Mansoura University
2005	Master degree	Mansoura University
2010	Ph.D. degree	Mansoura University

WORK EXPERIENCE

Period	Position	Address
2001 - 2005	Demonstrator	faculty of science, chemistry department, Mansoura University
2004 - 2015	Expert in Toxic and Narcotic drug	Toxic and Nacrotic Drugs Laboratory, Department of Forensic Medicine, Mansoura Laboratory, Medico Legal Organization, Ministry of Justice, Mansoura 35516, Egypt
2010 - 2015	Assistant prof	Higher Institute of Engineering and Technology, Egypt
2015 - 2021	Assistant prof	Department of Chemistry, Science College, Al Imam Muhammad Ibn Saud Islamic University
2021- now	Associate prof	Department of Chemistry, Science College, Al Imam Muhammad Ibn Saud Islamic University

RESEARCH INTERESTS

- Synthesis of organometallic compounds and metal complexes.
- Computational Chemistry.
- Biological Activity

PUBLICATIONS

1 -Flotation separation of mercury(II) from environmental water samples using thiosemicarbazide derivatives as chelating agents and oleic acid as surfactant.

Ghazy, Shaban E.; El-Reash, Gaber Abu M.; Al-Gammal, Ola A.; Yousef, Tarek

Chemical speciation and bioavailability, Volume 22, Number 2, June 2010, pp. 127-134(8)

2 -Flotation-Separation of Toxic Metal Ions from Aqueous Solutions Using Thiosemicarbazide Derivatives as Chelating Agents and Oleic Acid as Surfactant.

Shaban El-Sayed Ghazy, Gaber Mohamed Abu El-Reash, Ola Ahmed Al-Gammal, and Tarek Yousef

European Journal of Chemistry, Vol 1, No 2(2010)

3 -In vitro and in vivo antitumor activity of some synthesized 4-(2-pyridyl)-3-Thiosemicarbazides derivatives

Tarek A. Yousef, Farid A. Badria, Shabane E. Ghazy, Ola A. El-Gammal and Gaber M. Abu El-Reash

International Journal of Medicine and Medical Sciences Vol. 3(2), 37-46(2011) ,

4 -Spectral, magnetic, thermal, molecular modelling, ESR studies and antimicrobial activity of (E)-3-(2-(2-hydroxybenzylidene) hydrazinyl)-3-oxo-n(thiazole-2-yl) propanamide complexes

R. R. ZAKY and T. A. Yousef

Journal of Molecular Structure 1002, 76-85(2011) ,

5 -Synthesis, spectroscopic characterization, pH-metric and thermal behavior on Co(II) complexes formed with 4-(2-pyridyl)-3-thiosemicarbazide derivatives

T. A. Yousef, O. A. El-Gammal, S. E. Ghazy, G. M. Abu El-Reash

Journal of Molecular Structure 1004, 271–283(2011) ,

6 -First row transition metal complexes of (E)-2-(2-(2-hydroxybenzylidene) hydrazinyl)-2-oxo-N-phenylacetamide complexes

T. A. Yousef, G. M. Abu El-Reash, T. H. Rakha, Usama El-Ayaan

Journal of Spectrochimica Acta Part A 83 (2011) 271– 278

7 -Synthesis, spectroscopic characterization and thermal behavior of metal complexes formed with (Z)-2-oxo-2-(2-(2-oxoindolin-3-ylidene)hydrazinyl)-N-phenylacetamide (H2OI)

T. A. Yousef, T. H. Rakha, Usama El-Ayaan and G. M. Abu El-Reash

Journal of molecular structure, 1007, 11 (2012) 146–157

8 -Heterocyclic substituted thiosemicarbazides and their Cu(II) complexes: Synthesis, spectral characterization, thermal, molecular modeling and DNA degradation studies

O. A. El-Gammal, G. M. Abu El-Reash, S. E. Ghazy and T. A. Yousef

Journal of coordination chemistry, Vol. 65, No. 10, (2012), 1655–1671

9 -Co(II), Cd(II), Hg(II) and U(VI)O2 Complexes of o-hydroxyacetophenone[N-(3-hydroxy-2-naphthoyl)] hydrazone: Physicochemical Study, Quantum-Chemical Simulation and Antimicrobial Activity

R. R. Zaky, T. A. Yousef and K.M. Ibrahim

Journal of spectrochimica acta, 97, (2012) 683-94.

10 -Co(II), Cu(II), Cd(II), Fe(III) and U(VI) complexes containing a NSNO donor ligand: Synthesis, characterization, optical band gap, in vitro antimicrobial and DNA cleavage studies

T. A. Yousef, G. M. Abu El-Reash, O. A. El-Gammal and R. A. Bedier

Journal of molecular structure, 1029, (2012) 149–160

11 -Quantum chemical calculations, Experimental investigations and DNA studies on (E)-2-((3-hydroxynaphthalen-2-yl)methylene)-N-(pyridin-2-yl)hydrazinecarbothioamide and their Mn(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes

T. A. Yousef, G. M. Abu El-Reash and R. M. El Morshedy

Polyhedron, 45, (2012) 71–85

12 -Cr(III), Mn(II), Ni(II), Zn(II) and Hg(II) complexes containing a NSNO donor ligand: Synthesis, characterization, optical band gap, in vitro antimicrobial and DNA cleavage studies

T. A. Yousef, G. M. Abu El-Reash, O. A. El-Gammal and R. A. Bedier

Journal of molecular structure, 1035 (2013) 307–317

13 -Structural, spectral analysis and DNA studies of heterocyclic thiosemicarbazone ligand and its Cr(III), Fe(III), Co(II) Hg(II), and U(VI) complexes

T. A. Yousef, G. M. Abu El-Reash and R. M. El Morshedy

Journal of Molecular Structure 1045 (2013) 145–159

14 -Structural and biological evaluation of some metal complexes of vanillin-4N-(2-pyridyl) thiosemicarbazone

T.A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and El-Bastawesy R. El-Rakhawy

Journal of Molecular Structure 1053 (2013) 15–21

15 -Computational studies of the first order kinetic reactions for mononuclear copper(II) complexes having a hard-soft NS donor ligand

R. R. Zaky, T. A. Yousef and A. M. Abdelghany

Journal of Spectrochimica Acta Part A 130 (2014) 178–187

16 -Synthesis, spectral characterization and biological evaluation of Mn(II), Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes with thiosemicarbazone ending by pyrazole and pyridyl rings

T. A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and El-Bastawesy R. El-Rakhawy

Journal of Spectrochimica Acta Part A 129 (2014) 163–172

17 -Structural, spectral, thermal and biological studies on 4-hydroxyacetophenone 4N-(2-pyridyl)thiosemicarbazone (H2PHAT) and its metal complexes

T. A. Yousef, G. M. Abu El-Reash, M. Al-Jahdali and E. R. El-Rakhawy

Spectrochimica Acta Part A, 133 (2014) 568–578

18 -Structural, DFT and biological studies on Cu(II) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Polyhedron, 81 (2014) 749–763

19 -Structural, DFT and biological studies on Co(II) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Journal of Molecular structure, 1076 (2014) 227–237

20 -Synthesis, biological and comparative DFT studies on Ni(II) complexes of NO and NOS donor ligands

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Spectrochimica Acta Part A, 135 (2015) 690–703

21 -Structural, spectral, thermal and biological studies on (Z)-N-benzoyl-N'-(2-oxo-2-(phenylamino)acetyl)carbamohydrazonothioic acid (H2PABT) and its Cd(II), Hg(II), Zn(II) and U(VI)O22+ complexes

T.A. Yousef, O.A. El-Gammal, Sara F. Ahmed, G.M. Abu El-Reash

Spectrochimica Acta Part A, 146 (2015) 228–239.

22 -Synthesis, spectral characterization, computational calculations and biological activity of complexes designed from NNO donor Schiff-base ligand

Ola A. El-Gammal, G.M. Abu El-Reash, T.A. Yousef and M. Mefreh

Spectrochimica Acta Part A 146 (2015) 163–176.

23 -Comparative ligational, optical band gap and biologicalstudies on Cr(III) and Fe(III) complexes of hydrazonesderived from 2-hydrazinyl-2-oxo-N-phenylacetamidewith both vanillin and O-vanillin

T.A. Yousef, G.M. Abu El-Reash, M.I. Attia, M.N. El-Tabai

24 -Elaborated studies on Nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II) and

Cu(II) complexes derived from N2O2 Schiff base, thermal, molecular modeling, drug likeness and spectral

Reem K. Shaha, Khlood S. Abou-Melhab, Fawaz A. Saada, Tarek Yousef, Gamil A.A. Al-Hazmi, Marwa G. Elghalban, Abdalla M. Khedr, and Nashwa El-Metwaly

Journal of Thermal Analysis and Calorimetry 123 (2016) 731–743.

25 -Characterization, Quantum, Antibacterial, Antifungal, Antioxidant and acute toxicity studies on Hg and Cd complexes of allyl and ethyl thiosemicarbazides derived from 2-aminothiazole-4-yl aceto hydrazide

T. A. Yousef, G. M. Abu El-Reash, H. I. El-Sayad, O. A. El-Gammal and B. M. Sharaa

Egyptian Journal of Basic and Applied Sciences 3 (2016) 44–60.

26 -Semi - and thiosemicarbazide Mn(II) complexes: characterization, DFT and biological studies.

T. A. Yousef, O.K. Alduaij, Sara. F. Ahmed, G. M. Abu El-Reash and O. A. El-Gammal

Journal of Molecular structure 1119 (2016) 351-364.

27 -Structural, DFT and biological studies on Cr(III) complexes of semi and thiosemicarbazide ligands derived from diketo hydrazide

T. A. Yousef, O.K. Alduaij, Sara. F. Ahmed, G. M. Abu El-Reash and O. A. El-Gammal

Journal of Molecular structure 1125 (2016) 788-799.

28 -Semiemprical studies, spectral analysis, in vitro antibacterial and DNA degradation studies of heterocyclic thiosemicarbazone ligand and its metal complexes

T. A. Yousef, O.K. Alduaij, G. M. Abu El-Reash and R. M. El Morshedy

Journal of Molecular liquid 222 (2016) 762–776.

29 -Synthesis, Structural, optical band gap and biological studies on iron (III), nickel (II), zinc (II) and mercury (II) complexes of benzyl α-monoxime pyridyl thiosemicarbazone

R. A. Bedier, T. A. Yousef, G. M. Abu El-Reash, and O. A. El-Gammal

Journal of Molecular structure 1139 (2017) 436–446.

30 -Ligational, DFT, optical band gap and biological studies on Mn(II), Co(II) and Ni(II) complexes of ethyl and allyl thiosemicarbazides ending by thiazole group

T.A. Yousef, G.M. Abu El-Reash, O. El-Gamal, B.M. Sharaa

Journal of Molecular liquids 251 (2018) 423–437.

31 -Comparative studies on P-vanillin and O-vanillin of 2-hydrazinyl-2- oxo-N phenylacetamide and their Mn(II) and Co(II) complexes

T.A. Yousef, G.M.Abu El-Reash, M.N. El-Tabai

Journal of Molecular Structure 1159 (2018) 246-258.

32 -Green Synthesis Approach For Thiosemicabazone Derivative Cu (II) Complexes With Elaborated Spectral, Theoretical Studies

TA Yousef, and OK Al Duaij

Research Journal of Pharmaceutical, Biological and Chemical Sciences Page No. 1598 10(2) RJPBCS (2019)

33 -Physicochemical investigations, biological studies of the Cr(III), Mn(II), Fe(III), Co(II), Ni(II), Cu(II), Zn(II), Cd(II), Hg(II) and UO2(VI) complexes of picolinic acid hydrazide derivative: A combined experimental and computational approach

T.A. Yousef, G.M. Abu El-Reash, M. Abu AL-Zahab, M.A.A. Safaan

Journal of Molecular Structure 1197 (2019) 564-575

34 -Green synthesis approach and theoretical studies for Cr(III), Mn(II), Fe(III), Co(II) and Ni(II) complexes with NNS donor Schiff base ligand

Tarek Ahmed Yousef

Biointerface Research in Applied Chemistry Volume 9, Issue 6, (2019), 4567 – 4574

35 -Synthesis, and biological evaluation of complexes based on thiosemicarbazone ligand

T.A. Yousef, G.M. Abu El-Reash

Journal of Molecular Structure 1201 (2020) 127180

36 -DFT Investigation of Geometrical Structure, IR and Raman Spectra of Vinyl Halides CH2=CH–X (X is F, Cl and Br)

T.A. Yousef, R. K. Hussein, and Mortaga Abou-krisha

IJPSR, (2019); Vol. 10(12): 5537-5544 .

37 -Synthesis, characterization, computational simulation and anticancer evaluation of Pd(II), Pt(II), Zn(II), Cd(II), Hg(II) complexes with 2-amino-4-phenyl-5-selenocyanatothiazol ligand

A. S. M. Al-Janabi, R. Zaky, T. A. Yousef, B. S. Nomi, S. Shaaban

Journal of the Chinese Chemical Society (2020); 67(6):1032–1044.

38 -Structural, Optical, morphology characterization and DFT studies of nano sized Cu(II) complexes containing Schiff base using green synthesis

T. A. Yousef

Journal of Molecular Structure 1215 (2020) 128180

39 -Influence of Current Density Parameter on the Mechanism of Electrodeposition and Dissolution of Zn–Fe–Co Alloy

F. Assaf, M. Abou-krisha, T. A. Yousef, A. Abushoff, F. El-Sheref, and A. Toghan,

Russian Journal of Physical Chemistry A, 2020, Vol. 94, No. 8, pp. 1708–1715.

40 -New palladium (II) complexes with 1-phenyl-1H-tetrazole-5-thiol and diphosphine Synthesis, characterization, biological, theoretical calculations and molecular docking studies

Ahmed S. M. Al-Janabi, Osama'a A. Y. Al-Samrai, Tarek A. Yousef

Applied Organometallic Chemistry (2020); e5967.

41 -Optical properties, Crystal Structures of N-bonded [Pd(k1-N-ptt)2(k2-dppe)]and Theoretical studies of palladium(II) complexes with 1-Phenyl-1H-tetrazol-5-thiol and phosphine ligands

Ahmed S.M. Al-Janabi, Usama'a A.Y. Al-Samra, Eman A. Othman, T.A. Yousef

Applied Organometallic Chemistry (2020); e5996.

42 -Synthesis, anti-bacterial evaluation, DFT study and molecular docking as a potential 3-chymotrypsin-like protease (3CLpro) of SARS-CoV-2 inhibitors of a novel Schiff bases

ASM Al-Janabi, AO Elzupir, TA Yousef

Journal of Molecular Structure, 129454(2020)

43 -Charge Transfer Complex of Neostigmine with 2, 3-Dichloro-5, 6-Dicyano-1, 4-Benzoquinone: Synthesis, Spectroscopic Characterization, Antimicrobial Activity, and Theoretical Study

TA Yousef, E Ezzeldin, HA Abdel-Aziz, MH Al-Agamy, GAE Mostafa

Drug Design, Development and Therapy 14, 4115(2020)

44 -Theoretical and Experimental Studies of Different Amine Compounds as Corrosion Inhibitors for Aluminum in Hydrochloric Acid

Rageh.K. Hussein, Mortaga Abou-Krisha, Tarek A. Yousef

Biointerface Research in Applied Chemistry Volume 11, Issue 2, (2021), 9772 – 9785

45 -Antimicrobial, Computational, and molecular docking studies of Zn(II) and Pd(II) complexes derived from piperidine dithiocarbamate

Applied Organometallic Chemistry 35 (2) e6108(2021) ,

Ahmed S. M. Al-Janabi, Mustafa M. Kadhim, Amenah I. A. Al-Nassiry, and

Tarek A. Yousef

46 -Mentha arvensis mediated green synthesis of platinum doped TiO2 nanocomposite for enhanced anti-cancer and photocatalytic degradation activity: Insights from molecular d I Inorganic Chemistry Communications Volume 134(2021) ,

K. Yogesh Kumar, M. K. Prashanth, O. K. Alduaij, Tarek A. Yousef, Khamael M. Abualnaja, M. S. Raghu

47 -Fabrication of Cr–ZnO photocatalyst by starch-assisted sol–gel method for photodegradation of congo red under visible light

Journal of Materials Science: Materials in Electronics volume 32, pages 2234–2248(2021)

Nuha Elamin, A. Modwi, M. A. Ben Aissa, Kamal K. Taha, Omer K. Al-Duaij, T. A. Yousef

48 -Synthesis, Identification, Computer-Aided Docking Studies, and ADMET Prediction of Novel Benzimidazo-1,2,3-triazole Based Molecules as Potential Antimicrobial Agents

Molecules, Volume 26 Issue 23(2021)

Huda R. M. Rashdan, Aboubakr H. Abdelmonsef, Mortaga M. Abou-Krisha, and Tarek A. Yousef

49 -Synthesis and Identification of Novel Potential Thiadiazole Based Molecules Containing 1,2,3-triazole Moiety Against COVID-19 Main Protease Through Structure-Guided Virtual Screening Approach

Biointerface Research in Applied Chemistry Volume 12, Issue 6, (2022), 8258 – 8270

Huda R. M. Rashdan, Aboubakr H. Abdelmonsef, Mortaga M. Abou-Krisha, and Tarek A. Yousef

50 -Crystal structure, Hirshfeld surface analysis, and DFT calculations of methyl (Z)-4-((4-((4-bromobenzyl)selanyl)phenyl)amino)-4-oxobut-2-enoate

Journal of Molecular Structure Volume 1245, 5 December 2021, 131072

Saad Shaaban, Hela Ferjani, Ismail Althagafi, Tarek Yousef

51 -Palladium(II)-salicylanilide complexes as antibacterial agents: Synthesis, spectroscopic, structural characterization, DFT calculations, biological and in silico s Journal of Molecular Structure Volume 1246, (2021), 131035

Ahmed S. M. Al-Janabi, Tarek A. Yousef, Mohammed E. A. Al-Doori, R. A. Bedier, Basil M. Ahmed

52 -Quinine Charge Transfer Complexes with 2,3-Dichloro-5,6-Dicyano-Benzoquinone and 7,7,8,8-Tetracyanoquinodimethane: Spectroscopic Characterization and Theoretical Study

Applied Sciences Volume 12 Issue 3(2022)

Gamal A. E. Mostafa, Tarek A. Yousef, Samir T. Gaballah, Atef M. Homoda, Rashad Al-Salahi, Haya I. Aljohar, and Haitham AlRabiah

53 -Tamoxifen charge transfer complexes with 2,3-dichloro-5,6-dicyano-1,4-benzoquinone and 7,7,8,8-tetracyanoquinodimethan: Synthesis, spectroscopic characterization and theoretical study

Bioorganic Chemistry

Volume 120, (2022), 105603

Gamal A. E. Mostafa, Tarek A. Yousef, Ali A. ElGamal, Atef M. A. Homoda, Haitham AlRabiah

54 -A Competition between Hydrogen, Stacking, and Halogen Bonding in N-(4-((3-Methyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl)selanyl)phenyl)acetamide: Structure, Hirshfeld Surface Analysis, 3D Energy Framework Approach, and DFT Calculation

International Journal of Molecular Sciences Volume 23 Issue 5(2022)

Mohamed Gouda, Hela Ferjani, Hany M. Abd El-Lateef, Mai M. Khalaf, Saad Shaaban, and Tarek A. Yousef

55 -Supramolecular Self-Assembly Built by Hydrogen, Stacking and Br···Br Interactions in 4-((4-Bromobenzyl)Selanyl)Aniline: Structure, Hirshfeld Surface Analysis, 3D Energy Framework Approach and Global Reactivity Descriptors

Journal of Inorganic and Organometallic Polymers and Materials(2022)

Saad Shaaban, Hela Ferjani, Tarek Yousef, Marwa Abdel-Motaal

56 -Cr(III) and Ni(II) complexes of isatin-hydrazone ligand: preparation, characterization, DFT studies, biological activity, and ion-flotation separation of Ni(II)

Inorganic Chemistry Communications Volume 138, April 2022, 109278

Hany M. Youssef, Yasir Kh. Abdulhamed, G. M. Abu El-Reash, T. A. Yousef

57 -Bio-Construction of CuO Nanoparticles Using Texas Sage Plant Extract for catalytical degradation of Methylene blue Via Photocatalysis

Journal of Molecular Structure Volume 1256 Pages 132522(2022)

Awais Ahmad, Mariam Khan, Safia Khan, Rafael Luque, Khamael M Abualnaja, OK Alduaij, Tarek A Yousef

58 -Synthesis, characterization, antibacterial, anticancer, and density-functional theory studies of nano-metal (II) oxime complexes

Appl Organomet Chem. 2022; e6654.

Emad N. Al-Sabawi, Ahmed S. M. Al-Janabi, Haifa Muhammed Jerjis Mohammed Khairy, Omar K. Alduaij, Tarek A. Yousef

59 -Synthesis and characterization of new HgS nanoparticles prepared by Hg(II)-triazole-3-thiol as precursor.

Ahmed S. Al-Janabi, Omar D.H. Al-Mouqdady, Mohammad E.A. Al-Doori, Hela Ferjani, O.K. Al Duaij, Zeid A. ALOthman, Tarek A. Yousef

Journal of Saudi Chemical Society Volume 26, Issue 4, (2022) , 101507

60 -Synthesis and In-vitro Biological Analyses of New quinazolin-2,4-dioneDerivatives

H.R.M. Rashdan, H. Okasha, M. A. Abdelhakeem, A. M. Mosallam, H. Temairk, A.G

Alhamzani, M. M. Abou-Krisha, T. A. Yousef, A. H. Abdelmonsef

Egypt. J. Chem. Vol. 65, No. 9 pp. 189 - 199(2022)

61 -Unexpected kinetically controlled organoselenium-based isomaleimide: X-ray structure, hirshfeld surface analysis, 3D energy framework approach, and density functional theory calculation.

Saad Shaaban, Hela Ferjani, Hany M. Abd El-Lateef, Mai M. Khalaf, Mohamed Gouda, Mohamed Alaasar, Tarek A. Yousef

Front. Chem. 10:961787. doi: 10.3389/fchem.2022.961787

62 -An effective, novel, and cheap carbon paste electrode for naproxen estimation

Mohamed Abd-Elsabour, Mortaga M. Abou-Krisha, Abdulrahman G. Alhamzani,

Tarek A. Yousef

Reviews in Analytical Chemistry 2022; 41: 168–179

63 -A Novel Electrochemical Sensor for Detection of Nicotine in Tobacco Products Based on Graphene Oxide Nanosheets Conjugated with (1,2-Naphthoquinone-4-Sulphonic Acid) Modified Glassy Carbon Electrode.

M. Abd-Elsabour, Hesham M. Alsoghier, Abdulrahman G. Alhamzani, Mortaga M. Abou-Krisha, Tarek A. Yousef, Hytham F. Assaf

Nanomaterials (2022), 12, 2354

64 -Synthesis, Characterization, Optical, DFT, TD DFT Studies and in Silico ADME Predictions of Thiosemicarbazone Ligand and its Au (III) Complex.

TA Yousef, M Khairy

Oriental Journal of Chemistry(2022)

65 -Development of New Azomethine Metal Chelates Derived from Isatin: DFT and Pharmaceutical Studies

Abdulrhman A. Al-Shamry, Mai M. Khalaf, Hany M. Abd El-Lateef, Tarek A. Yousef, Gehad G. Mohamed, Kariman M. Kamal El-Deen, Mohamed Gouda andAhmed M. Abu-Dief

Materials (2023), 16(1), 83

66 -Co(II), Ni(II), and Zn(II) complexes of 5-methyl-1,3,4-oxadiazol-2-amine Schiff base as potential heat shock protein 90 inhibitors: Spectroscopic, biological activity, density functional theory, and molecular docking studies.

Ahmed S. Al-Janabi, Ahmed F. K. Al-Bayati, Omar Abdullah ALtaie, Amin O. Elzupir, Tarek A. Yousef

Applied Organometallic Chemistry Volume 36, Issue 12 (2022) e6899

67 -Environment-Friendly Corrosion Inhibitors for Aluminum in Hydrochloric Acid: Quantum and Experimental Research.

Tarek A. Yousef, Rageh. K. Hussein, Abdulrahman G. Alhamzani, Ahmed T. Al-Enazi, Mohammed B. AL-Osimi and Mortaga M. Abou-Krisha

Metals (2022), 12(9), 1538

68 -High-Surface-Area-Activated Carbon Derived from Mango Peels and Seeds Wastes via Microwave-Induced ZnCl2 Activation for Adsorption of Methylene Blue Dye Molecules: Statistical Optimization and Mechanism.

Nur Shakinah Razali, Ahmed Saud Abdulhameed, Ali H. Jawad, Zeid A. ALOthman, Tarek A. Yousef, Omar K. Al-Duaij and Norah Salem Alsaiari

Molecules (2022), 27(20), 6947

69 -Fruit peel-based mesoporous activated carbon via microwave assisted K2CO3 activation: Box Behnken design and desirability function for methylene blue dye adsorption.

Tarek A Yousef, Uttam Kumar Sahu, Ali H Jawad, Nurul Najwa Abd Malek, OK Al Duaij, Zeid A ALOthman

International Journal of Phytoremediation (2022), 1-13

70 -Production of large surface area activated carbon from a mixture of carrot juice pulp and pomegranate peel using microwave radiation-assisted ZnCl2 activation: An optimized removal process and tailored adsorption mechanism of crystal violet dye.

Aiman Suhaimi, Ahmed Saud Abdulhameed, Ali H. Jawad, Tarek A. Yousef, O.K. Al Duaij, Zeid A. ALOthman, Lee D. Wilson

Diamond and Related Materials Volume 130, (2022), 109456

71 -Design, synthesis, molecular docking and pharmacological evaluation of novel triazine-based triazole derivatives as potential anticonvulsant agents.

Abdulrahman G. Alhamzani, Tarek A. Yousef, Mortaga M. Abou-Krisha, M.S. Raghu, K. Yogesh Kumar, M.K. Prashanth f, Byong-Hun Jeon

Bioorganic & Medicinal Chemistry Letters Volume 77, (2022), 129042

72 -Optimized removal process and tailored adsorption mechanism of crystal violet and methylene blue dyes by activated carbon derived from mixed orange peel and watermelon rind using microwave-induced ZnCl2 activation.

Nurul Afiqah Mohd Hanafi, Ahmed Saud Abdulhameed, Ali H. Jawad, Zeid A. ALOthman, Tarek A. Yousef, O. K. Al Duaij & Norah Salem Alsaiari

Biomass Conversion and Biorefinery (2022), 1-13

73 -Mesoporous activated carbon produced from mixed wastes of oil palm frond and palm kernel shell using microwave radiation-assisted K2CO3 activation for methylene blue dye removal: Optimization by response surface methodology.

Khairunnadhrah Jasri, Ahmed Saud Abdulhameed, Ali H. Jawad, Zeid A. ALOthman, Tarek A. Yousef, O.K. Al Duaij

Diamond and Related Materials Volume 131, (2023), 109581

74 -New Dual Inhibitors of SARS-CoV-2 Based on Metal Complexes with Schiff-Base 4-Chloro-3-Methyl Phenyl Hydrazine: Synthesis, DFT, Antibacterial Properties and Molecular Docking Studies.

Ahmed S. M. Al-Janabi, Amin O. Elzupir, Mortaga M. Abou-Krisha and Tarek A. Yousef

Inorganics (2023), 11(2), 63

75 -Synthesis, molecular docking study and anticancer activity of novel 1,3,4-oxadiazole derivatives as potential tubulin inhibitors.

Tarek A. Yousef, Abdulrahman G. Alhamzani, Mortaga M. Abou-Krisha, G. Kanthimathi, M.S. Raghu, K. Yogesh Kumar, M.K. Prashanth, Byong-Hun Jeon

Heliyon 9(2(2023) ,(

76 -Cd(II) and Pd(II) Mixed Ligand Complexes of Dithiocarbamate and Tertiary Phosphine Ligands—Spectroscopic, Anti-Microbial, and Computational Studies.

Tohama B. Abdullah, Reza Behjatmanesh-Ardakani, Ahmed S. Faihan, Hayfa M. Jirjes, Mortaga M. Abou-Krisha, Tarek A. Yousef, Sayed H. Kenawy and Ahmed S. M. Al-Janabi

Molecules (2023), 28(5), 2305

77 -Experimental and theoretical examinations of triazole linked saccharin derivatives as organic corrosion inhibitors for mild steel in hydrochloric acid.

Tarek A. Yousef, Abdulrahman G. Alhamzani, Mortaga M. Abou-Krisha, C.B. Pradeep Kumar, M.S. Raghu, K. Yogesh Kumar, M.K. Prashanth, Byong-Hun Jeon

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