

# Curriculum Vitae

## CV

**Name:** Dr. Monirah A. Al-shaikh

### Personal Details:

1. Nationality: Saudi
2. Associate Professor (Organic Chemistry)
3. Tel.No:+96611-4804419 Mob:+966503474007
4. E-mail address: [mshaikh@ksu.edu.sa](mailto:mshaikh@ksu.edu.sa)

### Qualifications:

1. Ph.D. (Organic Chem.) 1993. Riyadh, Girls College.(Synthesis and Reaction of Some Heterocyclic Compounds of Potential Biological Activities)
2. Masters (Organic Chem.) 1986,Jeddah,Girls College (Synthesis of Some New Sulphur and Nitrogen Heterocycles with Anticipated Biological Activity)
3. B.Sc.(1977) Riyadh Girls College (Chem/Biol)

### Papers and Scientific work:

1. Charge Transfer Copper Chelating Complex and Biogenically Synthesized Copper Oxide Nanoparticles Using Salvia officinalis Laves Extract in Comparative Spectrofluorimetric Estimation of Anticancer Dabrafenib. Seham S. Alterary, Gamal A.E. Mostafa, Haitham Alrabiah,, Monirah A. Al-Alshaikh & Maha F. El-Tohamy. Journal of Fluorescence (9 August 2023). <https://doi.org/10.1007/s10895-023-03388-9>
2. Spectroscopic, Docking and MD Simulation Analysis of an Adamantane Derivative with Solvation Effects in Different Solvents. Aamal A. Al-Mutairi, Y. Shyma Mary, Y. Sheena Mary, Sreejit Soman, Hanan M. Hassan, Monirah A. Al-Alshaikh & Ali A. El-Emam. Polycyclic Aromatic Compounds (2022), <https://doi.org/10.1080/10406638.2022.2086274>
3. Unfunctionalized and Functionalized Multiwalled Carbon Nanotubes/Polyamide Nanocomposites as Selective-Layer Polysulfone Membranes, Seham S. Alterary, Raya M. Alyabes, Ahmed A. Alshahrani, and Monirah A. Al-Alshaikh. Polymers 2022, 14,1544, <https://doi.org/10.3390/polym14081544>.

4. Crystallographic and Theoretical Exploration of Weak Hydrogen Bonds in Arylmethyl N'-(adamantan-1-yl)piperidine-1-carbothioimidates and Molecular Docking Analysis, Aamal A. Al-Mutairi, Kowsalya Alagapan, Olivier Blacque, **Monirah A. Al-Alshaikh**, Ali A. El-Emam, M. Judith Percino and Subbiah Thamotharan. *ACS Omega*, **2021**; PMID: 34693122, PMCID: PMC8529591. DOI: 10.1021/acsomega.1c03559.
5. Interplay of Weak Intermolecular Interactions in two Schiff's Bases with Organic Fluorine derived from 5-nitrothiophene-2-carboxaldehyde: Crystal Structures, DFT Calculation and in vitro evaluation of bioactivities. Aamal A. Al-Mutairi, Bhavana Krishna Priya Katari, Yatindrapravanan Narasimhan, Olivier Blacque, Lamy H. Al-Whahaibi, **Monirah A. Al-Alshaikh**, Ali A. El-Emam, M. Judith Percino and Subbiah Thamotharan. *Journal of Molecular Structure*, **2020**; 1221, 128883.  
<https://doi.org/10.1016/j.molstruc.2020.128883>
6. Crystal Structure of 1-(adamantan-1-yl)-3-aminothiourea, C<sub>11</sub>H<sub>19</sub>N<sub>3</sub>S Aamal A. Al-Mutairi, Monirah A. Al-Alshaikh, Hazem A. Ghabbour, Edward R.T. Tieknk and Ali A. El-Emam. *Z. Kristallogr NCS* 2020; 235(5): 1115-1117; <https://doi.org/10.1515/ncrs-2020-0195>
7. "Synthesis, Antimicrobial, and Anti-Proliferative Activities of Novel 4-(Adamantan-1-yl)-1-arylidene-3-thiosemicarbazides, 4-Arylmethyl N'-(Adamantan-1-yl) piperidine-1-carbothioimidates, and Related Derivatives" Aamal A. Al-Mutairi, Monirah A. Al-Alshaikh, Fatmah A. M. Al-Omary, Hanan M. Hassan, Areej M. El-Mahdy, and Ali A. El-Emam. *Molecules*, 2019, 24, 4308; <https://doi.org/10.3390/molecules24234308>
8. "Synthesis, Characterization, and Antimicrobial Studies of Novel Series of 2,4-Bis(hydrazine)-6-substituted-1,3,5-triazine and their Schiff Base Derivatives" Hessa H. Al-Rasheed, Essam N. Sholkamy, Monirah Al Alshaikh, Mohammed R.H. Siddiqui, Ahmed S. Al-Obaidi and Ayman El-Faham. *Hindawi Journal of Chemistry*, Volume 2018, Article ID 8507567, 13 pages..
9. "Syntheses and crystal structures of two adamantyl substituted 1,2,4-triazole-5-thione N-Mannich bases" Monirah A. Al-Alshaikh, Aamal A. Al-Mutairi, Hazem A. Ghabbour, Ali A.El-Emam, Mohammed S. M. Abdelbaky and Santiago Garcia-Granda. *Acta Crystallographica Section E, Crystallographic Communications Acta Cryst.* (2017). E73, 1135-1139. <https://doi.org/10.1107/S2056989017009756>
10. "Vibrational spectroscopic investigations and molecular docking studies of biologically active 2-[4-(4-phenylbutanamido)phenyl]-5-ethylsulphonyl-benzoxazole". K. Jalaja, Monirah A. Al-Alshaikh, Y. Sheena Mary, C. YohannanPanicker, Ali A. El-Emam, OzlemTemiz-Arpaci, C. Van Alsenoy. *Journal of Molecular Structure (Elsevier, UK)* Vol. 1148, 19-133 (2017) <http://dx.doi.org/10.1016/j.molstruc.2017.07.023>

11. "Molecular docking and biological evaluation of some thioxoquinazolin-4(3*H*)-one derivatives as anticancer, antioxidant and anticonvulsant agents". Danah S. Al-Shamary, Monirah A. Al-Alshaikh, Nabila AbdelshafyKheder, Yahia Nasser Mabkhot and Syed LalBadshah. Chemistry Central Journal (Springer Open) (2017) 11:48 <https://doi.org/10.1186/s13065-017-0272-6>
12. "Ultrasonic irradiation: Synthesis, characterization, and preliminary antimicrobial activity of novel series of 4-6-disubstituted-1,3,5-triazine containing hydrozonederivatives". H.H. Al-Rasheed, M. Al-Alshaikh, J.M. Khaled, N.S. Alharbi, A. ElFaham. Journal of Chemistry, Volume 2016, Article ID 3464758, p. 1-9, DOI: <http://dx.doi.org/10.1155/2016/3464758>.
13. "Synthesis, spectroscopic investigations, quantum chemical studies, molecular docking and antiviral activity of 5-chloro-N-(2-chlorophenyl)pyrazine-2-carboxamide". S.H. Sebastian, M.A. Al-Alshaikh, A.A. El-Emam, Sheena Mary Y., C.Y. Panicker, P.J. Jojo, J. Zitko, M. Dolesal. Science Advances Today, 2 (2016) 25239, p. 1-11.
14. "Synthesis, spectroscopic analysis and molecular docking studies of 4-chloro-3-methylphenyl quinoline-2-carboxylate". F. Edakot, S. Parveen, M. Al-Alshaikh, Y. Panicker, A. Al-Emam, S. Nagarajan. Science Letters Journal, Vol. 5: 237, p. 1-13 (2016).
15. "Ultrasound assisted Heterocycles Synthesis" Al-AlshaikhMonirah A. Research Journal of Chemistry and Environment, Vol. 20 (9), p.36-45 (2016).
16. "Vibrational and structural observations and molecular docking study on 1-{3-(4-cholophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1H-pyrazol-1-yl}-ethanone" P.S. Shana, M.A. Al-AlShaikh, C.Y. Panicker, A.A. El-Emam, B. Narayana, V.V. Saliyan, B.K. Sarojini, C. Van Alsenoy. Journal of Molecular Structure (Elsevier, U.K.), Vol. 1112, p. 136-146 (2016).
17. "Synthesis, vibrational spectroscopic investigations, molecular docking, antibacterial and antimicrobial studies of 5-ethylsulphonyl-2-(*p*-aminophenyl)benzoxazole" S. Parveen S, M. A. Al-Alshaikh, C.Y. Panicker, A.A. El-Emam, M. Arisoy, O. Temiz-Arpaci, C. Van Alsenoy. Journal of Molecular Structure (Elsevier, U.K.) Vol. 1115, p. 94-104 (2016).
18. "Spectroscopic (FT-IR, FT-Raman, UV, <sup>1</sup>H and <sup>13</sup>C NMR) profiling and theoretical calculations of (2*E*)-2[3-(1*H*-imidazol-1-yl)-1-phenylpropylidene]hydrazine carboxamide: An anticonvulsant agent" N.G. Haress, M. Govindarajan, R.I. Al-Wabli, M.S. Almutairi, M.A. Al-Alshaikh, A.A. AlSaadi, M.I. Attia. Journal of Molecular Structure (Elsevier, U.K.) Vol. 1118, p. 219-232 (2016).
19. "Spectroscopic , quantum chemical studies Fukui functions, *in vitro*anti viral activity and molecular docking of 5-cholo-N-(3-nitrophenyl)pyrazine-2-carboxamide" S.H.R. Sebastian, M.A. Al-Alshaikh, A.A. El-Emam, C.Y. Panicker, J. Zitko, M. Dolezal, C. Van Alsenoy. Journal of Molecular Structure (Elsevier, U.K.) Vol. 1119, p. 188-199 (2016).

20. "Spectroscopic investigations and molecular docking study of (2*E*)-1-(4-Chlorophenyl)-3-[4-(propan-2-yl)phenyl]prop-2-en-1-one using quantum chemical calculations" S. Parveen, M.A. Al-Alshaikh, C.Y. Panicker, A.A. El-Emam, V.V. Salian, B. Narayana, B.K. Sarojini, C. Van Alsenoy. *Journal of Molecular Structure* (Elsevier, U.K.) Vol. 1120, p. 317-326 (2016).
21. "Structural spectroscopic characterization of *N'*-[(1*E*)-(4-fluorophenyl)methylidene]thiophene-2-carbohydrazide, a potential precursor to bioactive agents" M.A. Al-Alshaikh, S. Muthu, E.S. Al-Abdullah, E.E. Porchelvi, S. Lahsasni, A.A. El-Emam. *Macedonian Journal of Chemistry and Chemical Engineering*, Vol. 35 pp. 63-77 (2016).
22. "Crystal structure of 3-(adamantan-1-yl)-1[(4-benzylpiperazin-1-yl)methyl]-4-[(*E*)-(2,6-difluorobenzylidene)amino]-1*H*-1,2,4-triazole-5(4*H*)-thione, C<sub>31</sub>H<sub>36</sub>F<sub>2</sub>N<sub>6</sub>S" M.A. Al-Alshaikh, H.A. Ghabbour, H.A. Abuelezz, O.S. Alruqi, A.A. El-Emam. *Zeitschrift fur Kristallographie – New Crystal Structures* (De Gruyter, Germany), Vol. 231(3) pp. 927-929 (2016).
23. "2,4-Dihydrazino-6-Morpholino-1,3,5-Triazine(DHMT) and 2,4-Dihydrazino-6-Piperidino-1,3,5-Triazine (DHPT) as Promising Corrosion Inhibitors of Steel in Acidic Media" G.A. El-Mahdy, H.H. Al-Rasheed, M.A. Al-Alshaikh, H.A. Al-Lohedan, A. El-Faham. *International Journal of Electrochemical Science*, Vol. 11 pp. 5459-5472 (2016).
24. "Crystal structure of 6-(2-fluorophenyl)-3-phenyl-[1,2,4]-triazolo[3,4-*b*][1,3,4]thiadiazole, C<sub>15</sub>H<sub>9</sub>FN<sub>4</sub>S" M.A. Al-Alshaikh, H.A. Ghabbour, M.S.M. Abdelbaky, S. Garcia-Granda, A.A. Al-Emam. *Zeitschrift fur Kristallographie-New Crystal Structures* (De Gruyter Germany) Vol. 231(2), p. 661-663 (2016).
25. "Synthesis, Characterization and Antimicrobial Evaluation of some Thiazole-Derived Carbamates, Semicarbazones, Amides and Carboxamide" Nahed Nasser E. El-Sayed, Nawal Ali Al-Balawi, Ahmed M. Alafeefy, Monirah A. Al-Alshaikh and Khalid Mohammed Khan. *J. Chem. Soc. Pak.*, Vol. 38 No. 02, (February 2016) p. 358-368.
26. "Crystal structure of 3-[[4-(2-methoxyphenyl)-piperazin-1-yl]methyl]-5-(thiophen-2-yl)-1,3,4-oxa-diazole-2(3*H*)-thione" Monirah A. Al-Alshaikh, Hatem Al Abuelizz, Ali A. El-Emam, Mohammed S.M. Abdelbaky and Santiago Garcia-Granda. *Acta Cryst.*, Vol. E72 (January 2016) p. 269-272.
27. "Crystal structure of 5-(adamantan-1-yl)-3-[(4-chloroanilino)methyl]-2,3-dihydro-1,3,4-oxadiazole-2-thione, C<sub>19</sub>H<sub>22</sub>ClN<sub>3</sub>OS" Monirah A. Alshaikh, Hazem A. Ghabbour, Abdul-Malek S. Al-Tamimi, Mohammed S.M. Abdelbaky, Santiago Garcia-Granda and Ali A. El-Emam. *Zeitschrift fur Kristallographie – New Crystal Structures* (De Gruyter, Germany), Vo. 231 p. 301-303 DOI 10.1515/ncrs-2015-0151. January 2016.

28. "Spectroscopic investigations and molecular docking study of 3-(1*H*-imidazol-1-yl)-1-phenylpropan-1-one, a potential precursor to bioactive agents" Monirah A. Al-Alshaikh, Sheena Mary Y., C.YohannanPanicker, Mohamed I. Attia, Ali A. El-Emam, C.VanAlsenoy. Journal of Molecular Structure Vol. 1109 (2016) p. 131-138.
29. "Conformational search, spectral analysis and electronic properties of 5-(4-Pyridinyl)-1,3,4-thiadiazol-2-amine" Vikas K. Shukla, Monirah A. Al-Alshaikh, Ali A. El-Emam, Alok K. Sachan, RuchiSrivastava, Onkar Prasad, LeenaSinha. Journal of Molecular Structure Vol. 1108 (2016) p. 112-125.
30. "Spectroscopic and electronic structure calculation of a potential chemotherapeutic agent 5-propyl-6-(*p*-tolylsulfanyl)pyrimidine-2,4(1*H*,3*H*)-dione using first principles" Monirah Al-Alshaikh, Omar Al-Deeb, Nourah Al-Zoman, Ali El-Emam, RuchiSrivastava,AlokSachan, Onkar Prasad and LeenaSinha. Journal of Molecular Structure, Vol. 1100 (2015) p. 225-236.
31. "Crystal structures of 4-phenylpiperazin-1-ium 6 -chloro-5-ethyl-2,4-dioxopyrimidin-1-ide and 4-phenylpiperazin-1-ium 6-chloro-5isopropyl-2,4dioxopyrimidin-1-ide" Monirah Al-Alshaikh, Ali El-Emam, Omar Al-Deeb, Mohammed Abdelbaky and Santiago Garcia-Granda. ActaCryst. Vol. E71 p. 956-959 doi:10.1107/S2056989015013298. July 2015.
32. "Synthesis, Antimicrobial and Hypoglycemic Activities of Novel *N*-(1-Adamantyl)carbothioamide Derivatives" Ebtehal S. Al-Abdullah, Hnaa M. Al-Tuwaijri, Hanan M. Hassan, Monirah A. Al-Alshaikh, Elsayed E. Habib and Ali A. El-Emam. Molecules 2015, 20, p. 8125-8143; doi:10.3390/molecules20058125.
33. "Modification of Starch by Grafting Acetylsalicylic Acid: Synthesis, Characterization, and Application in Drug Release Domain" Saba Ameen Al-Adeemy, MouniraAlSheikh and TaiebAouak. International Journal of Polymeric Materials and Polymeric Biomaterials, 63; 1-10 24 November 2013.
34. "Synthesis of Some-2-thioxo-3-substituted-2,3-dihydro-1*H*-quinazolin-4-one Derivatives as Potential Antibacterial and Antifungal agents". Monirah AL-AlShaikh,Danah Al-Shammary and Fatima El-Baih. Research Journal of Chemistry and Environment Vol. 17 (9) September 2013.
35. "Synthesis of novel 1,4-naphtoquinone containing indole, quinoline, thiazole and imidazole moieties", Monirah A.AL-Alshaikh ,Siham A.Lahsasni.vol.25, No. 17 (2013). Asian Journal of Chemistry.
36. "Synthesis of thioxoquinazolin-4(3*H*)-one under microwave and ultrasonic irradiation with classical heating",Danah S. AL-Shamary,\* ZeidA. Al-Othman,†Monirah. A. AL- Alshaikh.Asian Journal of Chemistry, Vol.25 (2013).

37. "Microwave versus ultrasound assisted synthesis of substituted furan-2-carboxaldehydes and their reactions", Hassan M.Al-Hazimi and Monirah A.Al-Shaikh. Res.J.Chem.Environ., Vol.15(2)June(2011).
38. "Ultrasound-Promoted Synthesis of 3,4-Dihydropyrimidin-2-(1H)-thiones via one-pot, three-component Reaction Catalyzed by Formic Acid", Monirah A.Al-Shaikh. Asian Journal of Chemistry, Vol.23(2011).
39. A route to Dicyanomethylene Pyridines and Substituted Benzonitriles Utilizing Malononitrile Dimer as a Precursor, Noha M.Helmy, Fatma E.M. El-Baih, Monirah A Al-Shaikh and Moustafa S.Moustafa, *Molecules*. **16**, 298-306, (2011).
40. Microwave Assisted Synthesis of substituted furan-2-carboxaldehydes and their reactions, Hassan M.Al-Hazimi and, Monirah A. Al-Shaikh. *J.Saudi.Chem.Soc.*, 14, 373-382 (2010)
41. Ultrasound Assisted Organic Synthesis – A review, Monirah A. Al-Shaikh, *J.Saudi.Chem.Soc.*, **13**(1), 79-104 (2009).
42. Microwave Assisted Synthesis of Some Tetrahydro-pyrimidine thione, Thiazol [3,2-a]Pyrimidine and Xanthenedione Derivatives, Monirah A.Al-Shaikh, Zainab M.Al-Marhoon and Hassan M . Al-Hazimi. *J.Saudi Chem.Soc.*, Vol.10, No.3; PP.527-538 (2006).
43. Synthesis and reactions of 2,3-dihydro(5H)-5-Aryl-Styryl-Thiazolo [3,2-a]Pyrimidin-3-one Derivatives of Potential antibacterial activities, M.A.Salama, H.A.H .Mousa, and M.Al-Shaikh. *Oriental J.Chem.*, Vol.7, No.4; PP.185-190 (1991).
44. Synthesis and Biological Activity of Some New 2-Chlorophenothiazine Derivatives. S.R. El-Ezbawy, M.A. Alshaikh. *J. Chem. Tech. Biotechnol.* Vol. 47, pp 209-218 (1990).

#### Conferences Attended:

1. International Conference & Exhibition for Science 6-8 February 2023 King Saud University Riyadh, Saudi Arabia. (Attendee)
2. "Post-pandemic publishing: Opportunities and Challenges" 2<sup>nd</sup> KSU, Journal Units Symposium 22 November 2022. Riyadh Saudi Arabia. (Attendee)
3. 7<sup>th</sup> International Chemistry Conference 12-14 November 2018 Riyadh, Saudi Arabia. (Attendee)
4. "Syntheses and crystal structures of two adamantyl substituted 1,2,4-triazole-5-thione *N*-Mannich bases" at 5<sup>th</sup> International Conference on Organic and Inorganic Chemistry 12-13 July 2018 Paris, France. (Attendee / Poster Presenter)

5. "6<sup>th</sup> International Chemistry Conference" 8-10 November 2016 Riyadh, Saudi Arabia. (Attendee)
6. "Modification of Starch by Grafting Acetylsalicylic Acid: Synthesis, Characterization, and Application in Drug Release Domain". TechConnect World Innovation Conference and Expo. June 15-17, 2015 Washington DC. (Attendee / Poster Presenter)
7. "*Synthesis of Bicyclic Thiazolo-Pyrimidines Catalyzed by Silver Acetate*" 3<sup>rd</sup> Annual International Conference on CCECP (Chemistry, Chemical Engineering and Chemical Process. 26-27 January 2015, Singapore. (Attendee / Poster & Oral Presenter)
8. Proceedings of International Summit on Past and Present Research Systems of Green Chemistry. August 25 – 27, 2014, Hilton Philadelphia Airport, USA. (Attendee)
9. "*Synthesis and Characterization of New Eco-Friendly Nanocatalyst by Using Saudi Clay*" TechConnect World Innovation Conference and Expo. June 15-18, 2014 Washington DC. (Attendee / Poster Presenter)
10. 2<sup>nd</sup> Annual International Conference on CCECP (Chemistry, Chemical Engineering and Chemical Process. 3-4 February 2014, Singapore. (Attendee)
11. "*Ultrasound-Promoted Synthesis of 3,4-Dihydropyrimidin-2-(1H)-thiones via one-pot, three-component Reaction Catalyzed by Formic Acid as potential antimicrobial agents.*" 6<sup>th</sup> International Congress of Chemistry and Environment and 2<sup>nd</sup> International Society Bio Technology Conference. 8-10 July 2013, Antwerp Belgium. (Attendee / Poster Presenter)
12. The Second International Symposium on Analytical Chemistry for a Sustainable Development – ACS D 2013. The 4<sup>th</sup> Federation of African Societies of Chemistry – FASC Congress. 7-9 May 2013, Marrakech, Morocco (Attendee)
13. Monirah AL-ALshaikh, Danah Al-Shammary and Fatima El-Baih "*Synthesis of Some-2-thioxo-3-substituted-2,3-dihydro-1H-quinazolin-4-one Derivatives as Potential Antibacterial agents*". 1<sup>st</sup> Annual International Conference on Chemistry, Chemical Engineering and Chemical Process. 25-26 February 2013-Singapore ( **Attendee / Poster & Oral Presenter**)
14. 2<sup>nd</sup> International Conference on Environmental Pollution and Remediation. August 28-30, 2012-Montreal, Canada. (**Attendee**)

15. M.Al-Alshaikh, ZainabAlmarhoon and Hassan M. AL-Hazimi "*Microwave Assisted Synthesis of Some Tetrahydropyrimidinethiones,Thiazolo[3,2a]PyrimidinoneDerivatives*". A Symposium dedicated to Click Chemistry,Nottingham,UK,June 15-17<sup>th</sup> ,2012.(**Attendee / Poster Presenter**)
16. EPS Montreal International Translational Medicine Conference 2011,Montreal,Canada,November 3-4,2011(**Attendee**)
17. International Chemistry Conference 19-21/11/2011 King Saud University Riyadh, Saudi Arabia(**Attendee**)
18. M.Al-Alshaikh, "*A route to DicyanomethylenePryidines and Substituted Benzonitriles Utilizing Malononitrile Dimer as a Precursor*". 12<sup>th</sup> Annual-Florida Heterocyclic and Synthetic Conference .USA,6-9 March2011( **Attendee/ Poster Presenter** )
19. M.Al-Alshaikh and Hassan M.Al-Hazimi, "*Microwave versus ultrasound assisted synthesis of substituted furan-2-carboxaldehydes and their reactions*". 5<sup>th</sup> International Congress of Chemistry and Environment (ICCE-2011) at Malaysia, 27-29 May 2011(**Attendee / Oral Presenter**)
20. International Conference on Chemistry and Industry –future Trends for Millennium,Riyadh ,Saudi Arabia (Dec.1,2005). (**Attendee**)
21. Conference of University – Private Sector partnership in Research&Developer,Saudi Arabia (3,1426/2005) .(**Attendee**)
22. Alternative Medicine and Herbal Treatment Conference (Oct,02,2005).(**Attendee**)
23. The 9<sup>th</sup> International pharmaceutical science conference and exposition. College of Pharmacy –King Saud University (17-23-Dec-2005). (**Attendee**)
24. 1<sup>st</sup> Scientific meeting at girlsedu. College ,Jeddah ,Saudi Arabia (1 May 2006) (**Attendee**)
25. The 3<sup>rd</sup> Saudi Conference for Science, College of Science –King Saud University (Mar-10-13,2007) (**Organizer**)
26. The workshop "Nano Research at University; The Road Toward Fulfilling the Custodian of the Two Holy Mosques", Riyadh Saudi Arabia (28-29/10/2007) (**Attendee**)
27. Environmental Protection is a Must18<sup>th</sup> Conference Alexandria, Egypt (9-12/5/2008) (**Attendee**)

### **Symposia:**

1. First National Symposium on Material science, King Saud University, Riyadh ,Saudi Arabia (Dec.,1<sup>st</sup>,1998) (Listener)
2. Post Graduate Studies Symposium in Chemistry in Saudi University (23/4/2001), king Faisal Conference Room, Riyadh Intercontinental Hotel Saudi Arabia (Listener)
3. Symposium on Scientific Research Cooperation methods and publishing,(7/5/2003),King Saud University Riyadh,Saudi Arabia(Listener)
4. The Sixth Symposium on Natural Products: Advantages and Disadvantages, 1-3/1/1422 H (25-27/3/2001), King Saud University Women Students –Medical Studies and Sciences Sections, Riyadh, Saudi Arabia(Listener)
5. Post Graduate Studies Symposium in Chemistry in Saudi University , 1/2/1422 (23/4/2001), King Faisal Conference Hall, Riyadh Intercontinental Hotel, Riyadh Saudi Arabia (Listener)
6. The Seventh Symposium on Modern Technology and its effect on Human and Environment, 18-20/1/1423 H (1-3/4/2002), King Saud University Women Students - Medical Studies and Sciences Sections , Riyadh , Saudi Arabia(Listener)
7. Symposium on Scientific Research, Cooperation methods and Publishing,6/3/1424 (7/5/2003), king Saud University, Riyadh, Saudi Arabia (Listener)
8. The Fourth Symposium on Standards and Procedures for Quality Assurance and Accreditation (National Commission for Academic Accreditation& Assessment). 22-23/3/1426 H (1-2/5/2005), King Faisal Conference Hall, Riyadh, Saudi Arabia (Listener)

### **Scientific Experience:**

- Supervision of Graduation Research Project at Imam Muhammed Bin Saud Islamic University for 4 students on April 2019 as Community Service of King Saud University.
- Career Orientation Presentation about Chemistry to graduating high school students of AlAfak School on 15<sup>th</sup> November 2018 as Community Service of King Saud University.
- Research Project Arbitration entitled “Synthesis of Novel N-(1-Adamanty) Thiocarboxamides and Related Derivatives as Potential Bioactive Agents” by Dr. Lamia AlWahaibi of Princess Nourah bint Abdulrahman University 2016
- Coordinator of Organic Chemistry(1998-2013)

- Membership, Journal of Saudi Chemical Society,(1998-till present)
- Academic Director of Science College, KSU (2001-2002)
- Membership in Research Center, KSU (2000-2002)
- Vice Chairman, Chemistry Dept. (21\5\2006-21\5\2010)
- Supervised (PhD) – 1 student
- Co-supervised (PhD) – 1 student
- Supervised (MSc) - 6 students
- Co-supervised (MSc) – 5 students

#### **External Examiner**

- ❖ Fractionation, characterization and analysis of phenolic compounds in some medicinal plants growing in Saudi Arabia.

Supervised by Dr. Ahmad Efsisi and Prof. Abdulrahman Alwarthan

Submitted by Amjad AlTwaim MSC KSU 1443H – 2022G

- ❖ Synthesis and characterization of new series of *N*-heterocyclic amino acid and peptide derivatives and their biological activity

Supervised by Prof. Ayman S. Ahmed El-Faham and Dr. Zainab M. Almarhoon

Submitted by Rakia Abd-Al Hameed Ahmed PhD KSU 1442H – 2020G

- ❖ Synthesis and characterization of a novel series of trisubstituted symmetric triazine

Supervised by Prof. Dr. Ayman S. Ahmed El-Faham and Prof. DR. Zeid A. Al Othman

Submitted by Kholoud Ahmed Dahlous PhD KSU 1439H-2018G

- ❖ Synthesis and Characterization of Some Compounds Containing Adamantane and Thiophene Rings and Evaluation of their Biological Activity

Supervised by Dr. Hissah H. Al-Tilasi and Dr. Tahani M. Al-Mutairi

Submitted by Sarah Ibrahim Saad Al-Tamimi Master KSU 1442H-2021G

- ❖ Clinical Treatment of Local Clay and its use as a Catalyst for the Synthesis of New Pyrimidine Derivatives and their Pharmacological Evaluation  
Supervised by Prof. Nabilah Al-Jaber and Prof. Waffa K. Mekhamer  
Submitted by Amal Salem Abdallah Bongasim PhD KSU 1439H-2018G
  
- ❖ Synthesis of 2-Cyano-3,N-Diphenyl-Acrylamide Derivatives and Evaluation of their Biological Activity.  
Supervised by Prof. Nabilah Al-Jaber and Prof. Hamad Alkathlan  
Submitted by Ghaferah Hassan Mohamed Al-Hazmi Phd KSU 1439H-2017G
  
- ❖ Synthesis of New 2-(5-Bromo-2-Thienyl)-1,3,4-Oxadiazoles and Related Derivatives to be Evaluated as Antimicrobial and Anti-Inflammatory Agents  
Supervised by Dr. Fatmah Al-Omary and Prof. Ali El-Emam  
Submitted by Fahdah Saad Alanazi MSc College of Pharmacy, KSU 1439H-2017G
  
- ❖ Application of biosynthesized palladium nanoparticles for oxidation of alcohols  
Supervised by Prof. Abdulrahman Al Warthan and Dr. Syed FarooqAdil  
Submitted by ZuhurJameelQandeel Ali MSc KSU 1437AH-2016AD
  
- ❖ Green Synthesis of Palladium and Silver Nanoparticles; Their Catalytic and Other Applications  
Supervised by Prof. Abdulrahman Al Warthan and Dr. Mujeeb Khan  
Submitted by Ghadeer Hassan Al Balawi MSc. KSU 1437AH-2016AD
  
- ❖ Synthesis, characterization and pharmacological evaluation of some quinoxaline derivatives as antimicrobial and anticancer agents  
Supervised by Dr. Hebat-Allah Sayed Abbas  
Submitted by Aisha Rasheed Mohammed Al-Marhabi MSc. KKU 1436AH-2015AD
  
- ❖ Synthesis of new Adamantane Derivatives of Antimicrobial and/or Hypoglycemic Activities  
Supervised by Prof. Ali AlEmam  
Submitted by Hana Mohammad AlTuweigeri, MSc. KSU- College of Pharmacy.29<sup>th</sup> May 2014

- ❖ Study on some new 4H-benzo[h]chromene derivatives of expected biological activity

Supervised by Prof.AhmedM.El-Agrody and Dr.AhmedM.Fouda

Submitted by: Al-Anood Mohamed A-Dies MSc.KKU.1434AH-2013AD

- Supervision (Internal Examiner)

- ❖ Synthesis And Study of Some QuinoxalineDerivatives.

Fatma Al-Asmary MSc.KSU,Shaaban,1928-29

- Supervision (Internal Examiner)

- ❖ Synthesis and Characterization of Some Hetrocyclic Compounds via Arylidenes Thane Al-MutairyMSc.KSU,

- Supervision (Internal Examiner)

Synthesis and Characterization of Some Diazine Derivatives

Iman Al-Dossary. MSc.KSU.

- Chemical and Biological Comparison between three *Euphorbia* species Growing in Saudi Arabia

Hanouf Al-Mutairi MSc.KSU.19/3/1433

- I had a fund from SABEC for supports of Research projects for teaching staff Microwave Assisted Synthesis of substituted furan-2-carboxaldehydes and their reactions, Hassan M.Al-Hazimi and, Monirah A.Al-Alshaikh.J.Saudi.Chem.Soc.,14:373-382(2010)

#### **Committees:**

1. Member of the Committee for the Strategic Planning of Science College (2007-present)
2. Member of the Committee for the Students Right (2007- 2015)
3. Member of the Committee for the Nomination of the Distinguished Academic Student of Science College (2001- 2015)
4. Member of the Committee for the Teacher Assistants (Nov 1998 – Nov 2017)
5. Member of the Committee for the Graduated Students (Sept 2015 – Sept 2017)
6. Member of the Committee for the Students Affairs (Sept 2017 – up to present)

**Skills Development:**

- Rights and Duties of Faculty Members, 13/9/2018 at KSU Deanship of Skills & Development for a total of 4 training hours;
- Thinking skills and integrating into curriculum, 14/11/2017 at KSU Deanship of Skills & Development for a total of 6 training hours;
- Academic Misconduct (Plagiarism), 15/2/2017 at KSU Deanship of Skills & Development for a total of 4 training hours;
- Excellence Keys in teaching graduate students, 8/11/2016 at KSU Deanship of Skills & Development for a total of 5 training hours;
- 21<sup>st</sup> century Employability skills and university teaching, 29/9/2016 at KSU Deanship of Skills & Development for a total of 6 training hours;
- Learning Outcomes Assessment, 4/9/2013 at KSU Deanship for Skills & Development for a total of 8 training hours;
- Micro Teaching, 3/9/2013 at KSU Deanship of Skills & Development for a total of 4 training hours;
- Learning Through Problem Solving Strategy, 26-27/8/2013 at KSU Deanship of Skills & Development for a total of 10 training hours;
- Effective Teaching, 25/8/2013 at KSU Deanship of Skills & Development for a total of 8 training hours.
- E-Technologies for Learning, 14-16/02/2012 at KSU Deanship of Skills & Development for a total of 15 training hours;
- Meeting Management Skills, 9-10/3/2010 KSU, Riyadh;
- Teaching with Active Learning , 25-26/9/2010 KSU, Riyadh;
- Strategic Planning, 26-27/1/2009 KSU,Riyadh;
- Active Learning 10-11/1/2009 KSU, Riyadh;

**Appointments:**

1. Teacher Assistant, Chem. Dept. Girls College Jeddah (1977-1986)
2. Lecturer, Chem. Dept. Girls College Riyadh (1986-1993)
3. Assistant Professor, Chem. Dept. Girls College Riyadh (1993-1998)
4. Assistant Professor Chem. Dept. KSU (since 1998-2013)
5. Associate Professor Chem. Dept. KSU

**Affiliations:**

- Member of the Saudi Chemical Society (Sept 1998 – up to present)
- Member of the Research Journal of Chemistry and Environment (July 2013 – up to present)
- Member of the Global Science Technology Forum ( Feb 3, 2014 – up to present)