

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

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. "Syntheses and crystal structures of two adamantly 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>
2. "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. Yohannan Panicker, Ali A. El-Emam, Ozlem Temiz-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>
3. "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 Abdelshafy Kheder, Yahia Nasser Mabkhot and Syed Lal Badshah. Chemistry Central Journal (Springer Open) (2017) 11:48
<https://doi.org/10.1186/s13065-017-0272-6>

4. "Ultrasonic irradiation: Synthesis, characterization, and antimicrobial activity of novel series of 2-(2-benzylidenehydrazinyl)-4,6-disubstituted-1,3,5-triazine derivatives". 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>.
5. "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. Dolezal. Science Advances Today, 2 (2016) 25239, p. 1-11.
6. "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).
7. "Ultrasound assisted Heterocycles Synthesis" Al-Alshaikh Monirah A. Research Journal of Chemistry and Environment, Vol. 20 (9), p.36-45 (2016).
8. "Vibrational and structural observations and molecular docking study on 1-{3-(4-chlorophenyl)-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).
9. "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).
10. "Spectroscopic (FT-IR, FT-Raman, UV, ¹H and ¹³C 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).
11. "Spectroscopic, quantum chemical studies Fukui functions, *in vitro* anti-viral activity and molecular docking of 5-chloro-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).
12. "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. Saliyan, B. Narayana, B.K. Sarojini, C. Van Alsenoy. Journal of Molecular Structure (Elsevier, U.K.) Vol. 1120, p. 317-326 (2016).

13. "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).
14. "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, C₃₁H₃₆F₂N₆S" 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).
15. "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).
16. "Crystal structure of 6-(2-fluorophenyl)-3-phenyl-[1,2,4]-triazolo[3,4-*b*][1,3,4]thiadiazole, C₁₅H₉FN₄S" 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).
17. "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.
18. "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.
19. "Crystal structure of 5-(adamantan-1-yl)-3-[(4-chloroanilino)methyl]-2,3-dihydro-1,3,4-oxadiazole-2-thione, C₁₉H₂₂ClN₃OS" 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.
20. "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.Yohannan Panicker, Mohamed I. Attia, Ali A. El-Emam, C.Van Alsenoy. Journal of Molecular Structure Vol. 1109 (2016) p. 131-138.

21. "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, Ruchi Srivastava, Onkar Prasad, Leena Sinha. *Journal of Molecular Structure* Vol. 1108 (2016) p. 112-125.
22. "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, Ruchi Srivastava, Alok Sachan, Onkar Prasad and Leena Sinha. *Journal of Molecular Structure*, Vol. 1100 (2015) p. 225-236.
23. "Crystal structures of 4-phenylpiperazin-1-ium 6 -chloro-5-ethyl-2,4-dioxypyrimidin-1-ide and 4-phenylpiperazin-1-ium 6-chloro-5-isopropyl-2,4-dioxypyrimidin-1-ide" Monirah Al-Alshaikh, Ali El-Emam, Omar Al-Deeb, Mohammed Abdelbaky and Santiago Garcia-Granda. *Acta Cryst.* Vol. E71 p. 956-959 doi:10.1107/S2056989015013298. July 2015.
24. "Synthesis, Antimicrobial and Hypoglycemic Activities of Novel *N*-(1-Adamantyl)carbothioamide Derivatives" Ebtehal S. Al-Abdullah, Hana 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.
25. "Modification of Starch by Grafting Acetylsalicylic Acid: Synthesis, Characterization, and Application in Drug Release Domain" Saba Ameen Al-Adeemy, Mounira AlSheikh and Taieb Aouak. *International Journal of Polymeric Materials and Polymeric Biomaterials*, 63; 1-10 24 November 2013.
26. "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-Shammery and Fatima El-Baih. *Research Journal of Chemistry and Environment* Vol. 17 (9) September 2013.
27. "Synthesis of novel 1,4-naphthoquinone containing indole, quinoline, thiazole and imidazole moieties", Monirah A. AL-Alshaikh, Siham A. Lahsasni. vol. 25, No. 17 (2013).
28. "Synthesis of thioxoquinazolin-4(3*H*)-one under microwave and ultrasonic irradiation with classical heating", Danah S. AL-Shamary,* Zeid A. Al-Othman,† Monirah. A. AL- Alshaikh. *Asian Journal of Chemistry*, Vol. 25 (2013).
29. "Microwave versus ultrasound assisted synthesis of substituted furan-2-carboxaldehydes and their reactions", Hassan M. Al-Hazimi and Monirah A. Al-Alshaikh. *Res. J. Chem. Environ.*, Vol. 15 (2) June (2011).
30. "*Ultrasound-Promoted Synthesis of 3,4-Dihydropyrimidin-2-(1H)-thiones via one-pot, three-component Reaction Catalyzed by Formic Acid*", Monirah A. Al-Alshaikh. *Asian Journal of Chemistry*, Vol. 23 (2011).

31. A route to DicyanomethylenePryidines and Substituted Benzonitriles Utilizing Malononitrile Dimer as a Precursor, NohaM.Helmy,Fatma E.M. El-Baih ,Monirah A Al-Alshaikh and Moustafa S.Moustafa,Molecules.**16**,298-306,(2011).
32. 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)
33. Ultrasound Assisted Organic Synthesis – Areview, MonirahA. Al-AlShaikh,J.Saudi.Chem.Soc.,**13**(1),79-104(2009).
34. Microwave Assisted Synthesis of Some Tetrahydro-pyrimidine thione,Thiazol [3,2-a]Pyrimidine and Xanthenedione Derivatives, MonirahA.Al-Alshaikh, ZainabM.Al-Marhoon and Hassan M . Al-Hazimi.J.Saudi Chem.Soc.,Vol.10,No.3;PP.527-538(2006).
35. Synthesis and reactions of 2,3-dihydro(5*H*)-5-Aryl-Styrl-Thiazolo [3,2-a] Pyrimidin-3-one Derivatives of Potential antibacterial activities, M.A.Salama,H.A.H .Mousa, and M.Al-AlShaikh. Oriental J.Chem.,Vol. 7,No.4;PP.185-190(1991).

Conferences Attended:

1. “6th International Chemistry Conference” 8-10 November 2016 Riyadh, Saudi Arabia. (Attendee)
2. "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)
3. "*Synthesis of Bicyclic Thiazolo-Pyrimidines Catalyzed by Silver Acetate*" 3rd Annual International Conference on CCECP (Chemistry, Chemical Engineering and Chemical Process. 26-27 January 2015, Singapore. (Attendee / Poster Presenter)
4. Proceedings of International Summit on Past and Present Research Systems of Green Chemistry. August 25 – 27, 2014, Hilton Philadelphia Airport, USA. (Attendee)
5. "*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)
6. 2nd Annual International Conference on CCECP (Chemistry, Chemical Engineering and Chemical Process. 3-4 February 2014, Singapore. (Attendee)

7. *"Ultrasound-Promoted Synthesis of 3,4-Dihydropyrimidin-2-(1H)-thiones via one-pot, three-component Reaction Catalyzed by Formic Acid as potential antimicrobial agents."*
6th International Congress of Chemistry and Environment and 2nd International Society Bio Technology Conference.8-10 July 2013, Antwerp Belgium. (Attendee / Poster Presenter)
8. The Second International Symposium on Analytical Chemistry for a Sustainable Development – ACS D 2013.
The 4th Federation of African Societies of Chemistry – FASC Congress. 7-9 May 2013, Marrakech, Morocco (Attendee)
9. 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"*. 1st Annual International Conference on Chemistry, Chemical Engineering and Chemical Process. 25-26 February 2013-Singapore(**Attendee / Poster Presenter**)
10. 2nd International Conference on Environmental Pollution and Remediation. August 28-30, 2012-Montreal, Canada.(**Attendee**)
11. M.AL-Alshaikh, Zainab Almarhoon and Hassan M. AL-Hazimi *"Microwave Assisted Synthesis of Some Tetrahydropyrimidinethiones, Thiazolo[3,2a]Pyrimidinone Derivatives"*. A Symposium dedicated to Click Chemistry, Nottingham, UK, June 15-17th, 2012.(**Attendee / Poster Presenter**)
12. EPS Montreal International Translational Medicine Conference 2011, Montreal, Canada, November 3-4, 2011(**Attendee**)
13. International Chemistry Conference 19-21/11/2011 King Saud University Riyadh, Saudi Arabia(**Attendee**)
14. M.AL-Alshaikh, *"A route to Dicyanomethylene Pyridines and Substituted Benzonitriles Utilizing Malononitrile Dimer as a Precursor"*. 12th Annual-Florida Heterocyclic and Synthetic Conference .USA, 6-9 March 2011(**Attendee/ Poster Presenter**)
15. M.AL-Alshaikh and Hassan M.AL-Hazimi, *"Microwave versus ultrasound assisted synthesis of substituted furan-2-carboxaldehydes and their reactions"*. 5th International Congress of Chemistry and Environment (ICCE-2011) at Malaysia, 27-29 May 2011(**Attendee / Oral Presenter**)
16. International Conference on Chemistry and Industry –future Trends for Millennium, Riyadh ,Saudi Arabia (Dec.1,2005). (**Attendee**)

17. Conference of University – Private Sector partnership in Research & Developer, Saudi Arabia (3,1426/2005) .(**Attendee**)
18. Alternative Medicine and Herbal Treatment Conference (Oct,02,2005).(**Attendee**)
19. The 9th International pharmaceutical science conference and exposition. College of Pharmacy –King Saud University (17-23-Dec-2005).(**Attendee**)
20. 1st Scientific meeting at girls edu. College ,Jeddah ,Saudi Arabia (1 May 2006) (**Attendee**)
21. The 3rd Saudi Conference for Science ,College of Science –King Saud University (Mar-10-13,2007) (**Organizer**)
22. The workshop "Nano Research at University; The Road Toward Fulfilling the Custodian of the Two Holy Mosques", Saudi Arabia (28-29/10/2007)(**Attendee**)
23. Environmental Protection is a Must18th Conference Alexandria ,Egypt(9-12/5/2008) (**Attendee**)

Symposia:

1. First National Symposium on Material science, King Saud University, Riyadh ,Saudi Arabia (Dec.,1st,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:

- 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 (MSc)-3 students
- Co-supervised (MSc)-5 students
- Co-supervised (PhD) – 1 student

External Examiner

- ❖ Application of biosynthesized palladium nanoparticles for oxidation of alcohols

Supervised by Prof. Abdulrahman Al Warthan and Dr. Syed Farooq Adil

Submitted by Zuhur Jameel Qandeel 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. KKKU 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. 29th May 2014

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

Supervised by Prof. Ahmed M. El-Agrody and Dr. Ahmed M.Fouda

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

- Supervision (Internal Examiner)
- ❖ Synthesis And Study of Some Quinoxaline Derivatives.

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)

Skills Development:

- 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;
- 21st 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
- Member of the Research Journal of Chemistry and Environment