

Curriculum Vita



Name: Dr.Saadyiha Ahmed Dahir

Birth today: 1968

Specialization: Chemistry

Scientific Degree: proof .assistant.

Work Address: Baghdad University, College Science for women Chemistry Department

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Scientific Certification:

1-B.Sc. in chemistry, Baghdad University, College Education for women/ Chemistry Department/ 1991.

2- M.Sc. in organic chemistry/ Baghdad University/ College Science for women for women / Chemistry Department/ 1999.

Title of Thesis: "Preparation of Some Acetylic Derivations of Vitamin C and the Study of Its Biological Activity".

3- Ph.D. in analytical chemistry/ Baghdad University/ College Science for women for women /chemistry department/ 2007.

Title of Thesis: "Experimental and Theoretical Study of Environmental Path Way Degradation for Pesticides Pollutant Propanil and Dazomet".

Career:

1-Assistance Chemist/College Education for women/ Chemistry Department/ Baghdad University/1992-1995.

2- Teacher Assistant/ College Education for women/ Chemistry Department/ Baghdad University/1999-2002.

3- Instructor/ College Science for women/ Chemistry Department/ Baghdad University/2002-2010.

4- Proof assistant Instructor/ College Science for women/ Chemistry Department/ Baghdad University/2010-2014.

Courses Which I am Teaching:

1- General Chemistry Lab., The First stage of Chemistry, Biology and Domestic Economy department, 1992-1994.

- 2- **Biochemistry Lab.**, The Second stage of Chemistry, Biology and Domestic Economy department, 1992-1994.
- 3- **Identification Organic chemistry Lab.**, The Forth stage of Chemistry, 1999-2005.
- 4- **Organic Chemistry Lab.**, The First, second, and third stage of Chemistry, 1992-1996, 1999-2003.
- 5- **Industrial Chemistry Lab**, the Third stage of Chemistry, 1992-1996, 1999-2003.
- 6- **Radioactive Chemistry Lab**, the Third stage of Chemistry, 2001--2003.
- 7- **Instrumental analysis**, The Forth stage of Chemistry, 2007-2017.
- 8- **Environmental chemistry analysis**, the graduated M.Sc students of Chemistry, 2010-2015.
- 9- **Ion chromatography**, the graduated M.Sc students of Chemistry, 2010.
- 10- **Advance of analytical chemistry**, The graduated M.Sc students of Chemistry, 2012-2017
- 11- **General Chemistry** , The First stage of Physics ,2012-2013
- 12- **Sample Introduction** , The graduated PhD students of Chemistry, 2012-2015
- 13- **Sample Introduction** , The graduated M.Sc students of Chemistry,2015-2016
- 14- **Atomic Absorption**, the graduated M.Sc students of Chemistry, College of Education for Pure Science, University of Anbar ,2016-2017
- 15- **Spectroscopy** , the graduated M.Sc students of Chemistry, College of Education for Pure Science, University of Anbar ,2016-2017
- 16- **Statistics of Analytical Chemistry**, the graduated M.Sc students of Chemistry.2017
- 17- **Chemistry volumetric analysis**, The First stage of chemistry,2017

Postgraduated students (under my supervision)

A-M.Sc. Theses:

- 1- **Amel H. Mhemeed**, Development of Spectrophotometric Determination of Sulfamethoxazole and Sulfadiazine using diazotization coupling reaction, MSc Thesis, 2011.
- 2- **Huda Jaber Hussein**, Spectrophotometric Determination of Thymol and Methyl paraben in phenolic drugs using diazotization coupling reaction, MSc Thesis, 2012.
- 3- **Sana Rhajab Bakir**, Spectrometric determination of trace Heavy metal Ions in waste water samples using cloud point extraction. MSc Thesis, 2014.
- 4- **Noor Jamal Mohammed**, Spectrophotometric determination of carbofuran in Environmental water sample by Oxidation and diazotization coupling reaction, MSc thesis, 2015.
- 5- **Jehan Shugaa Hussein**, Development method for determination of Bendiocarb in water samples by Molecular Spectrophotometry, MSc thesis, 2015.
- 6- **Muntaha Harjan Oleiwi**, Extraction study of Tannic acid to removal the heavy metals from west water, MSc thesis, 2016.
- 7- **Rafeef Jawad Kathem** ,Analytical study on contamination with heavy metals and some Leaves of plants nearby machines generators in the regions of saidiya and alalam in Baghdad city, MSc thesis, 2016.
- 8- **Shatha Mahdi**, spectrophotometric Determination and Cloud point Extraction of some drugs in pure form and pharmaceutical preparation, MSc thesis, 2017.

B-Ph.D. Thesis:

1. **Iqbal Salman Mohammed AL-Jobouri**, Determination and removal of some organic pollutants from aqueous solution by using Iraqi clays, modified and

applied semi-empirical program to theoretical adsorption study. PhD Thesis ,2014

2. **Ameera Hassan Hamed** ,Determination of some Ingredients in Iraqi Honey Bee in University of Baghdad through comparison with other Types ,PhD Thesis ,2015.

Conferences which I was participated:

1. 1st Conference of Women and science in Iraq, Baghdad University, college Science for women, **Iraq**, 16-18 March 2010.
2. 1st International conference of chemistry and its role in science (ICCRS-1) Jinnah University for Women to be held in **Karachi, Pakistan**, from January 3rd to 5th, 2011.
3. The Sixth Jordanian International Conference of Chemistry, April 18-21, 2011, Yarmouk University, **Irbid- Jordan**.
4. International Conference of Chemistry, 1-3/November /2011 Chemistry Department College of Science, Basrah University, **Basrah- Iraq**.
5. International Conference on Biology, Environment and Chemistry – (ICBEC) **Dubai, UAE**. December 28-30, 2011.
6. The Sixth Jordanian International Conference of Chemistry, **Irbid, Jordan** April 18-20 ,2011
7. International Conference of Young Chemists (ICYC) to be held at The University of Jordan, **Amman, Jordan** 8-10 April 2012.
8. 2nd International Conference on Chemistry and Chemical Process – ICCCP, **Kuala Lumpur, Malaysia**. May 5-6, 2012. Co-sponsored by Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES).
9. 1st National conference of chemistry Baghdad University, college Science for women, **Iraq**, 19-20 December 2012.
10. The second Conference of Women and science in Iraq, Baghdad University, college Science for women, Iraq, 26-28 March 2013
11. 1st International Scientific Conference University of **Zakho, Kurdistan ,Iraq**, 23-25 April **2013**.
12. International Conference of Chemistry, 1-3/November /**2014** Chemistry Department College of Science, Basrah University, **Basrah- Iraq**.
13. The 16^{en} Scientific Conference, Mustanseriya University, College of Basic Education, 5 May 2015, Baghdad, Iraq.
14. 2nd National conference of chemistry Baghdad University, college Science for women, **Iraq**, 21-22 December 2015.
15. 1st international conference of women in science and international networking: bridging the gender gap in STEM in favor of sustainable development (women in science without borders (WISWB)). **Cairo, Egypt** from **21-23 March 2017**.

16. Workshop from Elsevier Publishing Campus Elsevier Author Seminar, **Cairo, Egypt** 22 March **2017**.

17. The 6th International Conference and Workshop on Basic and Applied Sciences (6th ICOWOBAS), Salahaddin University, **Iraq**, 18th-19th of March 2017.

Letter of appreciation for my special efforts:

1- From Dean of the college (more than 30 letters).

2- From Head of the Baghdad University (25 letters).

3- From the minister (4 letters).

Scientific Activities:

- ✚ Membership in the Baghdad Journal of Science committee of College science for women, University of Baghdad 2010-2013.
- ✚ Membership of the Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES) 2011-2015.
- ✚ Membership of the International Society for Applied Life Sciences (ISALS), 2012-2015.
- ✚ Membership in the Consolidate the researches committee of College science for women, University of Baghdad 2011-2012.
- ✚ Membership in the committee for continuation following web site of chemistry department 2010-2011.
- ✚ Membership in the development committee of continuous educational center 2010-2011.
- ✚ Head of department of chemistry 12/3/2012 - 13/9/2015.
- ✚ Participated in the International Visitor Leadership Program 18 November- 6 December **2013**, United State Department of State Bureau of Educational and Cultural Affairs , "Developing Science ,Technology ,Engineering ,Mathematics(STEM) Curricula for Women Educator"

My Interests are

- ✚ Training on the instruments such as HPLC, GC, IC and Mass Spectroscopy
- ✚ Studying the environmental analysis
- ✚ Studying the photo degradation and solar radiation of polluted organic compounds
- ✚ Studying the Extraction methods of organic compounds from medical plant.
- ✚ Studying the synthesis of organic compounds as drug.

Publications:

1. Anis M.A., Mohammed .M.S., Saadiyah A. D," Preparation of Some Ketalic Derivatives of L-Ascorbic acid," Iraqi Journal of chemistry, Vol. 27, No.4, p999-1002, **2001**.
2. Anis M.A., Mohammed .M.S., Saadiyah A. D," Preparation of Some Acetylic Derivatives of Vitamin C and study of their Biological activity on some kinds of Bactria and fungi,"Iraqi Journal of Chemistry, Vol. 28, No.2, p429-433,**2002**.
3. Saadiyah A. D,"The Preparation of Some Derivatives of (1, 3, 4 Thiadiazole-2-amino as Substituted Ketamines) 5 -Thaiol," Baghdad; College of Education for Women Journal, Vol 13, No.2, **2002**.
4. Waleed A.M., Saadiyah .A.D," A New Technology for the Measurement of the Enthalpy of Alcoholic Solutions in Tetra Methylene Glucose," Baghdad; College of Education for Women Journal, Vol 4, No.1,**2003**.
5. Waleed A.M., Saadiyah .A.D., Akram Y.H." Determination of amino acids from nigella sativa L seed hydrolysates by reversed – phase HPLC". Um-Salama Science Journal, vol 5, No. 1, **2008**.
6. Saadiyah A. D, Nada A.J, Nada S.R, Amira.H. A. "Study biological and chemical evaluation of the type's water used for drinking in the Al-youssiffiyah area and its impact on public health" Um-Salama Science Journal. , Vol 6, No. 3, **2009**.
7. Nada S.R, Saadiyah A. D., Hind F.T."Determination of the Optimum Concentration of Micro Elements and Vitamins and Effects on the Propagation of Candida Utilis", Technical Journal for Medical Research, Vol 22, No. 2, **2009**.
8. Saadiyah A. D., SanaaA.Al-S.,Wasan A. Al R., Nafeesa J. K."Synthesis, Characterization and Antimicrobial activity Study Via some new Schiff bases for Trimethoprim", Baghdad Science Journal Vol.7, No 1,**2010**.
9. Saadiyah A. D.Amira .H. , Maha K. S,Rafah K.A., "Safety method, Spectrophotometric Determination of Sulfamethaxazole drug in bulk and Pharmaceutical Preparations., Baghdad Science Journal Vol.7, No 1,**2010**.
10. Saadiyah A. D., Hind F. T., SanaaA.Al-S., Preparation and identification of some a new derivative for salbutamol drug., Baghdad Al-Techni Journal, Vol.24 (4)**2011**.
11. Saadiyah A. D."Spectrophotometric determination of Thymol in pure and pharmaceutical preparation by diazotization-coupling method with 2,4-dichloroaniline as the coupling agent", Journal of Kufa for chemical science, 1(2)99-108,**2011**.
12. Saadiyah A. D.,Nafeesa J. K., Asmaa K. A.,"Sunlight Photocatalytic of dazomet herbicides in aqueous solution". Scientific journal of Karbala University,9(1), 182-188,**2011**.
13. Saadiyah A. D., Bahjat R.J., Nabil S. N., and Salah A. N. " Quantitative Study of Photocatalytical Degradation of Propanil Herbicide in Water Using different Analytical Methods", Pakistan science journal, 1(1),20-30, **2011**.
14. Abdel amir M.F., Saadiyah A. D., Sanaa.A.A, Shatha T., "Synthesis Characterization and microbial study via some new salbutamol's derivative",Al-Nahrain university Journal of science, Iraq, 14(1),50-57.**2011**.
15. Saadiyah A. D. "New azo Coupling Reactions for Visible Spectrophotometric Determination of salbutamol in bulk and Pharmaceutical". *Dirasat*, Pure Sciences, Jordon, Volume **38**, No. **2**, **2011**.

16. Saadiyah A. D. "Sunlight Photo catalytic of propanil herbicides in aqueous solution Determination of Degraded Products with UV-And HPLC". Asian Journal of Chemistry; Vol. 24, No. 12 5490-5492, **2012**.
17. Saadiyah A. D.,Jinan H.,Iman H. "Study of the cytotoxic of cupper (II) complexes and aqueous extract of *OriganumVulgare L.* plant on cancer cell line (RD)"., Al-Nahrain university Journal for science, Iraq, Vol.15 (2), pp.23-28 , **2012**.
18. Nada S.R.,Saadiyah A. D.,Esraa.F.A. "Biological effect of water and alcoholic extracts of green tea leaves of some pathogenic bacteria in vitro". Journal of Kufa for chemical science, 1(4)30-34,**2012**.
19. Saadiyah A. D.,Rasha A. G. , Israa H. I., Rana R. H.," Synthesis of some a new azo derivative of paracetamol"., Journal of Kerbala University , Vol. 10 No.1 Scientific . **2012**.
20. Saadiyah A. D., Amal H. M.,"Saadiyah A. D."Spectrophotometric Determination of Sulfamethoxazole and Sulfadiazine in Pure and Pharmaceuticals Preparation., Asian Journal of Chemistry; Vol. 24, No. 6 **2012**.
21. Saadiyah A. Dhahir., Saud .S. Muhammad., Nazk. M. Aziz ., Sahar T. Adday .," New Diaz Coupling Reactions for Visible Spectrophotometric Determination of Thymol in Pharmaceutical Preparations with phenylenediamine as the coupling reagent "Middle East Journal of Internal Medicine• Vol. 2, No. 3,page25-30,**2012**.
22. Saadiyah A. Dhahir, Bahjat R.J. Muhyedeen, Nabil S. Nassory, and Salah A. Numan., Photocatalyst Degradation of Dazomet Herbicide in Three type water by using ZnO as a catalyst, Alsevier, SciVerse Science Direct, APCBEE Procedia, 301-309,**2012**.
23. Saadiyah A. Dhahir , Nazk M. Aziz, Shaimaa R. Bakir ., "Synthesis, Characterization and Antimicrobial Studies of complexes of Some Metal Ions with 2-[2-Amino-5- (3,4,5-Trimethoxy-benzyl)-Pyrimidinyl-4-azo]-4- Bromo-Phenol", International Journal of Basic & Applied Sciences IJBAS-IJENS Vol:12 No:06 page58-67,**2012**.
24. Saadiyah A. D., Huda J.H., "Spectrophotometric Determination of Thymol in Pure and Lesterine mouth washing". Tikrit Journal of Pure Science 17 (4), page 97-102, **2012**.
25. Saadiyah A. D., Hind F. T., Sanaa A.Al-Sahib, "Synthesis and identification of some new derivative of Trimethoprim and paracetamol drugs ", Journal of Baghdad for Science Vol.10, No 1,182-188, **2013**.
26. Saadiyah Ahmed Dhahir ,Enaas Abdul-Hussein ,Sanaa Tareq Sarhan, and Noor Faraj , Adsorption of Malachite Green Dye from aqueous solution on to Iraqi Raw Al-Hussaniyat caly ,Eur. Chem. Bull., 2(11), 866-872, **2013**.
27. Iqbal Salman AL-Jobouri , Saadiyah A. Dhahir , Khulood Abed AL-Saade, Adsorption study of Rhodamin B Dye on Iraqi Bentonite and modified Bentonite by Nanocompounds TiO₂, ZnO, AL₂O₃ and SDS, American Journal of Environmental Science 9 (3): 269-279, **2013**.
28. Iqbal Salman AL-Jobouri , Saadiyah A.Dhahir , Khulood Abed AL-Saade,Congo red adsorption on Bentonite and modified Bentonite, International Interdisciplinary Research Journal, Vol.3, Issue 5,62-78, **2013**.
29. Saadiyah A. D., Huda J.H., Spectrophotometric Determination of Methyl Paraben in Pure and Pharmaceutical Oral Solution, *Advances in Natural Science (ANS)*, Vol. 6, No. 4, 2013, pp. 69-74 , **2013**.
30. Sana Rhajab Bakir, Saadiyah Ahmed Dhahir, Cloud Point Extraction spectrophotometric Determination of Trace Amounts of Nickel by SALEN as reagent

- in waste water of Iraq, *International Interdisciplinary Research Journal*, {Bi-Monthly}, ISSN2249-9598, Vol-III,pp9-21, Nov **2013** .
31. Saadiyah Ahmed Dhahir ,Sana Rhajab Bakir, Cloud Point Extraction Spectrophotometric Determination of Copper,Chromium and Cobalt by Salen as Reagent in Wastewater of Iraq, *Asian Journal of Chemistry*; Vol. 26, No. 16, 5305-5310, **2014**.
 32. Ameera H.Hamed , Saadiyah A.Dhahir and Fadhil .M Abid, Physiochemical Properties for Some Kinds Honey in Iraqi Markets, *Online International Interdisciplinary Research Journal*, {Bi-Monthly}, ISSN2249-9598, Volume-IV, Issue-V, Sept-Oct,28-33, **2014**.
 33. Saadiyah Ahmed Dhahir, Khulood Abed AL-Saade, Iqbal Salman AL-Jobouri , DEGRADATION STUDIES OF RHODAMINE B IN THE PRESENCE OF UV/H₂O₂ /Fe²⁺, *International Journal of Technical Research and Applications e-ISSN: 2320-8163, www.ijtra.com* Volume 2, Issue 6, PP. 123-127, (Nov-Dec **2014**).
 34. Saadiyah A. Dhahir, Kareem. D. Khalaf, Noor J. Mohammed ,Spectrophotometric determination of Carbofuran in neutral and alkaline medium of environmental water samples, *GJRA - GLOBAL JOURNAL FOR RESEARCH ANALYSIS*Vol. 3, No. 12,92-95, **2014**.
 35. Saadiyah A. Dhahir, Kareem. D. Khalaf, Jehan Sh. Hussein, Direct UV-Spectrophotometric determination of Bendiocarb in Environmental water samples. *GJRA - GLOBAL JOURNAL FOR RESEARCH ANALYSIS* ,Vol. 3, No. 12,96-100, **2014**.
 36. Saadiyah Ahmed Dhahir, Khulood Abed AL-Saade, Iqbal Salman AL-Jobouri , Removal of Congo Red by photochemical treatment using photo-Fenton reagent, *Analytical Chemistry an Indian journal , ACAIJ*, 15(4),117-124, **2015**.
 37. Saadiyah Ahmed Dhahir ,Sana Rhajab Bakir, Cloud point extraction spectrophotometric determination of nickel,copper, cobalt and chromium by 4-HBDA1, 5DHPAs reagent in wastewater of Iraq, *Environmental Science an Indian Journal ,ESAIJ*, 10(4), 150-160, **2015**.
 38. Saadiyah A. Dhahir, Jehan Sh. Hussein, Kareem. D. Khalaf, Spectrophotometric determination of Bendiocarb after synthesis anew colored compound with a Para-amino phenol in environmental water samples. *Int. J. Chem. Sci.:* 13(1), 417-433, **2015**.
 39. Saadiyah A. Dhahir, Noor J. Mohammed and Kareem D. Khalaf, Spectrophotometric determination of carbofuran byusing p-amino phenol as a reagent, *Int. J. Chem. Sci.:* 13(1), 213-229, **2015**.
 40. Saadiyah Ahmed Dhahir, Ameera Hassan Hemed, Determination of Heavy Metals and Trace Element Levels in Honey Samples From Different Regions of Iraq and Compared with Other Kind, *American Journal of Applied Chemistry*, 3(3): 83-92; **2015**.
 41. Saadiyah Ahmed Dhahir ,Rafeef jawad Kazem, Amar M. Mahmoud,Determination of some heavy metals and some chemical variables in the leaves of plants near of the Diesel Generators Associations , *International Journal for Scinces and Technology (IJST)*, Vol. 10, No.3,12-19 ,Jordon **2015**.
 42. Saadiyah A. Dhahir & Noor J. Mohammed, Spectrophotometric determination of carbofuran by Azo Dye by Diazotised Benzidine –Application environmental water sample, **Acceptance for publication**, *Baghdad Science Journal*, **2015**.

43. Saadiyah A. Dhahir , Muntahaa H.Aliwee , Amar M. Mahmood, Removal pollution with heavy metals (lead) From water by using extracting tannic acid from some natural plants., International Journal for Scinces and Technology (IJST), Vol. 10, No.3,122-133, Jordon **2015**.
44. Saadiyah A. Dhahir, Determiration of Mercury and Manganese by using new reagent azo after cloud point extraction for some Environmental samples in Iraq, American journal of Environmental science 11(5), 392-401, **2015**.
45. سعدية احمد ظاهر ، منتهى حرجان عليوي ، دراسة استخلاص حامض التانك من قشور الرمان وتطبيقته في ازالة ايون الكروم (III من المياه الصناعية، الجامعة المستنصرية ،مجلة كلية التربية الاساسية 2016
46. سعدية احمد ظاهر ، رفيف جواد كاظم ، تقدير بعض العناصر الثقيلة في اوراق النباتات المتعرضة لانبعاثات المولدات التي تعمل بوقود البنزين وقياس المحتوى الكلوروفيلي والمالون ثاني الديهايد Malondialdehyde (MDA).مقبول للنشر الجامعة المستنصرية ،مجلة كلية التربية الاساسية ، مجلد 22 العدد96، 2016.
47. Saadiyah Ahmed Dhahir, Ameera Hassan Hemed, Fadhil .M Abid, ,determination of water soluble vitamins in Iraqi honey bee and compeer with others types by high performance liquid chromatography, **Acceptance for publication**, Baghdad Science Journal,**2015**.
48. Saadiyah A.Dhahir, EnaasA.Hussein, Study Removal Color of Toluidine Blue dye from aqueous solution by using photo-Fenton oxidation, **Acceptance for publication**, Baghdad Science Journal,**2015**