

Ministry of Higher Education  
And Scientific Research  
University of Baghdad  
Science College



وزارة التعليم العالي والبحث العلمي  
جامعة بغداد  
كلية العلوم

### **Personal Details:**

**Name:** Mouayed Qassim Yassin Al-Abachi

**Nationality:** Iraqi

**Date of birth:** 20-1-1949

**Address:** Chemistry Department, College of Science,  
University of Baghdad, Baghdad, Iraq.

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University, Faculty of Health and Life Sciences, Priory Street, Coventry CV1  
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**Marital Status:** Married with four children

**Language:** Fluent in Arabic and English

**Present Assignment:** Professor in analytical chemistry



### **Education:**

**Doctor of philosophy (PhD),** June 1978. University of Birmingham, England.

**Thesis title:** Molecular Emission cavity Analysis of sulphur compounds.  
University of Birmingham, England.

**Master of Science (MSc),** December 1974 in analytical chemistry by course  
and research.

**Thesis title:** Determination of persulphate in food stuffs with particular  
references to bromate interferences.

**Bachelor of Science (BSc)**, University of Mosul, Iraq, June 1970.

**Grade:** 1<sup>st</sup> class honors degree in chemistry (I achieved the highest grade of all the students who studies that year).

**Work Experience:**

- Demonstrator, College of Science, Mosul University (Jan. 1971-Sept. 1973).
- Lecturer, College of Education, Mosul University (Feb. 1978-May 1982).
- Assistant professor, College of Education, Mosul University (May 1982-Feb. 1990).
- Professor, College of Education, Mosul University (Feb. 1990-1996).
- Editor of Journal of Education and Science, Mosul University (1990-1996).
- Head of promotion committee, College of Education, Mosul University (1990-1996).
- Professor, College of Science, Baghdad University (1996- January 2007).
- Responsible for Higher Education studies, Chemistry Department, College of Science, Baghdad University (1997-1999).
- Head of Chemistry Department, College of Science, Baghdad University (1999-2003).
- Member in the central committee at the Ministry of Higher Education and Scientific Research for importing scientific equipments for the universities and scientific institutes (1999-2003).
- Head of selection of a teaching staff committee at the University of Baghdad (1999-2003).
- one year sabbatical at Coventry University in the UK, from the University of Baghdad as a visiting professor. This started in January 2007- June 2008 undertaking research work in the field of environmental analysis using ultrasound technology, teaching and giving some advice to MSc and PhD students.

### **Additional Work Duties:**

#### **Taught on the following courses:**

- Classical method Analysis (gravimetry and volumetry), 1<sup>st</sup> year undergraduate level.
- Separation Techniques in Analytical chemistry, 2<sup>nd</sup> year undergraduate level.
- Instrumental method of analysis, 4<sup>th</sup> year undergraduate level.
- Analytical chemistry for pharmacy.
- Inorganic analysis MSc Graduate level.
- Organic Micro analysis MSc Graduate level.
- Advanced instrumental method of analysis (MSc and PhD courses.)
- Advanced analytical reactions (MSc and PhD courses).
- Water Technology (MSc and PhD courses)
- Advanced Electro analytical chemistry (MSc and PhD courses).
- Supervised MSc and PhD students successfully in the field of organic micro analysis, amplification reactions, spectrophotometry, polarography, Organic reagents and atomic absorption, flow injection Analysis FIA, chemiluminescence and HPLC.

### **Publications:**

- 1- Molecular Emission Cavity Analysis, part 1x. The simultaneous determination of sulphur anions in admixture, Mouayed Q. Al-Abachi, R. Belcher, S. L. Bogdanski and A. Townshend, Anal. Acta, 86, (1976), 139.
- 2- Molecular Emission Cavity Analysis, part 1. The determination of carbonyl compounds. Mouayed Q. Al-Abachi, R. Belcher, S. L. Bogdanski and A. Townshend, Anal. Chim. Acta, 92, (1977), 293.
- 3- Determination of sulphur compounds of biological and medical importance by molecular emission cavity analysis (MECA). Mouayed Q. Al-Abachi, Analyt. Div. Chem. Soc., Sept., (1977), 251.

- 4- Indirect polarographic microdetermination of sulphur in organic compounds. Mouayed Q. Al-Abachi, Fawzi H. A-Dabbagh and S. T. Sulaiman, *Talanta*, 27, (1980), 1077.
- 5- Titrimetric determination of microgram amount of lead by thiocyanate amplification after precipitation as lead hexathiocyanato chromate(III), Mouayed Q. Al-Abachi, Nazli A. Shahbas and S. T. Sulaiman, *Anal. Chim. Acta*, 125, (1981), 215.
- 6- Indirect polarographic microdetermination of sulphur in organic sulphur drugs, Mouayed Q. Al-Abachi, Fawzi, H. Al-Dabbagh and S. T. Sulaiman, *Iraq. J. Sci.*, 22, 2, (1981), 182.
- 7- Review on amplification reactions, Mouayed Q. Al-Abachi, Nazli. A. Shahbas and S. T. Sulaiman, *Journal of Education and Science, University of Mosul*, 4, (1981), 59.
- 8- Review on molecular emission cavity analysis, Mouayed Q. Al-Abachi, and T. S. Al-Ghabsha, *Journal of Education and Science, University of Mosul*, 4, (1981), 333.
- 9- Photoketonisation studies of some acetylenic  $\beta$ -diketones, Mouayed Q. Al-Abachi, I. Al-Nuri and S. T. Sulaiman, *Journal of Education and Science, University of Mosul*, 3, (1981), 65.
- 10-Indirect atomic absorption spectrometric (AAS) method for the microdetermination of sulphur in organic drugs, Mouayed Q. Al-Abachi and H. M. Hamoshy. *Fresenius Z., Anal. Chem.*, 311, (1982), 416.
- 11-Spectrophotometric determination of microgram amounts of chlorpromazine with chloranil, Mouayed Q. Al-Abachi, T. S. A-Ghabasha and S. K. Ibrahim, *Microchemical Journal*, 28, (1983), 501.
- 12-Spectrophotometric determination of microgram amounts of Adrenaline with chloranil, Mouayed Q. Al-Abachi, T. S. Al-Ghabasha, and Nazil. A. Shahbas, *Microchemical Journal*, 31, (1985), 272.
- 13-Titrimetric and indirect polarographic determination of microgram amounts of nitrites after amplification reactions, Mouayed Q. Al-Abachi, S. T. Sulaiman and D. Amine Indian, *Journal of Chemistry*, LX, (1983), 982.

14-Indirect spectrophotometric microdetermination of sulphur in organic compounds using 1,5-diphenyl carbazide, Mouayed Q. Al-Abachi, *Microchemical Journal*, 33, (1986), 34.

15-Titrimetric determination of microgram amounts of thallium(I) by thiocyanate amplification after precipitation as thallium hexathiocyanate chromate(III), Mouayed Q. Al-Abachi, S. A. Rahim, *Mikro Chimica Acta*, (wien) 1, (1985), 23.

16-Indirect spectrophotometric method for the microdetermination of chlorine or bromine in organic compounds using 1,5 diphenyl carbazide, Mouayed Q. Al-Abachi and E. S. Salih, *Analyst*, 112, (1987), 485.

17-Indirect spectrophotometric microdetermination of thallium(I) using 1,5 diphenyl carbazide, Mouayed Q. Al-Abachi, N. K. Sheko and A. M. Oshana. Presented at the International Conference of Science Research, Nov. 23-28, (1986), Baghdad/Iraq.

18-Spectrophotometric microdetermination of paracetamol using chloranil, Mouayed Q. Al-Abachi, T. S. Al-Ghabsha and A. K. Ahmed, *Microchemical Journal*, 53, (1987), 66.

19-Spectrophotometric microdetermination of some sulphonamide drugs after diazotization and coupling with Indole. Mouayed Q. Al-Abachi, K. A. Flauch and A. K. Ahmed, *Iraqi Journal of Science*, 31, 2, (1990), 265.

20-Indirect polarographic microdetermination of chlorine and bromine in organic compounds. Mouayed Q. Al-Abachi and E. S. Salih, *Mikro Chimica Acta*. (wien), II, (1987), 203-207.

21-Titrimetric determination of microgram amounts of silver by thiocyanate amplification after precipitation as silver hexathiocyanato chromate (III), Mouayed Q. Al-Abachi, M. S. Al-Hafidh and S. A. Rahim, *Microchemical Journal*, 37, (1988), 110.

22-Some observation on an indirect atomic absorption spectrophotometric method for the microdetermination of chlorine or

bromine in organic compounds, Mouayed Q. Al-Abachi and E. S. Salih, *Microchemical Journal*, 37, (1988), 293.

23-Spectrophotometric determination of 4-amino antipyrine in aqueous solution by coupling with diazotised 4-nitroaniline, Mouayed Q. Al-Abachi, A. M. S. Al-Delami and S. Al-Najaf, *Analyst*, 113, (1988), 1661.

24-Application of promethazine hydrochloride as a chromogenic reagent for the spectrophotometric determination of aniline and its substituents, Mouayed Q. Al-Abachi, T. S. Al-Ghabsha, and E. S. Salih, *Microchemical Journal*, 41, (1990), 64.

25-Indirect spectrophotometric method for the microdetermination of iodine or chlorine in organic drugs using 1,5 diphenyl carbazide, Mouayed Q. Al-Abachi, H. M. Hamoshy and S. H. Mohammed, *J. of Education and Science*, 9, (1989), 33.

26-Some observation on the indirect spectrophotometric microdetermination of iodine or bromine in organic compounds, Mouayed Q. Al-Abachi, T. S. Al-Ghabsha and M. S. Al-Hafidh, *Microchemical Journal*, 4, (1990), 372.

27-Application of promethazine hydrochloride as achromogenic reagent for the spectrophotometric determination of certain sulphonamide drugs, Mouayed Q. Al-Abachi, E. S. Salih and M. S. Salim. *Fresenius J. Anal. Chem.*, 337, (1990), 408.

28-Spectrophotometric determination of nickel(II) and cobalt(II) with 2,5-dihydroxy Benzyl-2-pyridyl hydrazone, Mouayed Q. Al-Abachi, H. Kanbar and H. M. Hamoshy, *Iraqi J. of chemistry*, 15, 1, (1990), 61.

29-Spectrophotometric determination of chromium and vanadium with 2,5-dihydroxy Benzyl-2-pyridyl hydrazone. Mouayed Q. Al-Abachi, H. Kanbar, and H. M. Hamoshy, *Iraqi. J. of Chemistry*, (1990).

30-Differential Pulse polarographic behaviour of diazonium salt derived from some sulphonamides derivatives. Mouayed Q. Al-Abachi, S. T. Sulaiman and I. Al-Nuri. *Iraqi J. of Chemistry*, 14, (1989), 58.

31-Diazotised 4-amino antipyrine as a chromogenic reagent for the spectrophotometric determination of trace amounts of N-(1-naphthyl)

ethylene diamine in aqueous solution, Mouayed Q. Al-Abachi, S. Al-Najafi and A. A. S. Al-Delimi, J. of Education and science, University of Mosul, 21, (1991), 113.

32-Diazotised aniline as spectrophotometric reagent for the determination of trace amounts of imidazole in aqueous solution. Mouayed Q. Al-Abachi, E. S. Salih and Sh. H. Mohammed. Iraqi, J. of Chemistry, 15, 2, (1990), 125.

33-Spectrophotometric determination of chloramphenicol in pharmaceutical preparations using promethazine hydrochloride. Mouayed Q. Al-Abachi, B. Akrawi, E. S. Salih and Y. M. Shihab. Mutah Lil-Buhooth wa-Al-Dirasat, Mutah University, 1, 7, (1992), 163.

34-Spectrophotometric determination of nitrite using the reaction with 5-amino-2-chlorobenzotrifluoride and 1-naphthol. Mouayed Q. Al-Abachi, M. Saleem and D. Amin J. Education and Science, University of Mosul. 90, (1990), 91.

35-Spectrophotometric Microdetermination of dapsone in some pharmaceutical preparations, Mouayed Q. Al-Abachi, Sh M. Mohammed, and S. I. Al-Najafi, J. Education and Science, 16, (1994), 5.

36-Differential pulse polarographic determination of 4-amino antipyrine in aqueous solution. Mouayed Q. Al-Abachi, B. A. Akrawi and I. J. Al-Nuri, J. Education and Science, 14, (1994).

37-Spectrophotometric microdetermination of imidazole in aqueous solution using diazotised p-amino benzoic acid. Mouayd Q. Al-Abachi E. S. Salih and Nazli. A. Shahbaz, J. Education and Science, 15, (1994).

38-Differential pulse polarographic determination of dapsone in pharmaceutical preparations. Mouayd Q. Al-Abachi and I. KH. Mohammed. J. Education and Science, 19, (1994), 5.

39-Spectrophotometric microdetermination of some sulphonamide drugs via oxidative coupling with phenothiazine and Ce(IV) sulphate.

Mouayed Q. Al-Abachi and Saladdin, M. Al-Talib. J. Education and Science, 22, (1995), 119.

40-Spectrophotometric microdetermination of some sulphonamide drugs via oxidative coupling with phenothiazine and benzoyl peroxide. Mouayd Q. Al-Abachi and Saladdin. M. Al-Talib. J. Education and Science, 23, (1995), 18.

41-Spectrophotometric determination of 4-amino antipyrine via oxidative coupling reaction with aniline and periodate. Mouayd Q. Al-Abachi, S. Al-Najafi and Nazli. H. Shahbaz. J. Education and Science, 24, (1995), 37.

42-Spectrophotometric microdetermination of some sulphonamide drugs via oxidative coupling with 4-amino N, N, diethyl aniline and dichromate. Mouayd Q. Al-Abachi, Saladdin, M. Al-Talib. J. Education and Science, 23, (1995), 5.

43-Spectrophotometric microdetermination of some sulphonamide drugs via oxidative coupling with 4-amino N, N, dimethyl aniline and dichromate. Mouayed Q. Al-Abachi, Saladdin, M. Al-Talib. J. Education and Science, 22, (1995), 172.

44-Spectrophotometric assay of chloramphenicol in pharmaceutical in pharmaceutical by oxidative coupling. Mouayed Q. Al-Abachi, T. S. Al-Ghabsh, and E. S. Salih. J. Education and Science, 25, (1996).

45-Study of new enhanced chemiluminescence ( $\text{MnO}_4^-$  - Ni (II) –  $\text{OH}^-$  - Luminol) for the determination of trace amounts of  $\text{MnO}_4^-$  via on-Line semi automation. Issam. M. A. Shakir, Mouayed Q. Al-Abachi and Y. J. Azeez. Iraqi. J. Science, 40A, 3, (1999), 122.

46-Microdetermination of Nitrate ion via Depression effect of the chemiluminescence system ( $\text{MnO}_4^-$ ,  $\text{OH}^-$  - Lu - Ni(II)) through on-Line measurements automation. Mouayed Q. Al-Abachi, Issam. M. A. Shakir, Y. Iraqi J. Science, 40A, 4, (1999), 108.

47-Determination of sulphite using [ $\text{SO}_3^{=}$  - Lu –  $\text{OH}^-$  - Ni (II)] chemiluminescence. Y. J. Azeez, Issam, M. A. Shakir, Mouayed. Q. Al-Abachi. Iraqi. J. Science, 40A, 4, (1999), 104.



48-Determination of Tetracycline via depression effect of the chemiluminescence system ( $\text{MnO}_4^- - \text{OH}^-$ , Lu - Ni(II)) system through on – line measurement automation. Issam, M. A. Shakir, Mouayed Q. Al-Abachi, Y. J. Azeez, Iraqi J. Science, 41, (2000).

49-Determination of sulphonilamide via depression effect of the chemiluminescence system ( $\text{MnO}_4^- - \text{OH}^-$ , Lu – Ni (II)) system through on – line measurement automation. Mouayed Q. Al-Abachi , Issam, M. A. Shakir , Y. J. Azeez, Iraqi J. Science, 41, (2000).

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الادخال الافقي المباشر المؤتمت للملاط slurry الى مطيافية الانبعاث الذري بلازما الحث المقترن (ICP – AES) وتقدير عناصر Ag , Lu , Sn في حشوة الاسنان. محمد جاسم محمد، محمد عفان الحمداني ، مؤيد قاسم العبايجي. Iraqi. J. of Chemistry, 27, 2, (2001), 573.

51-Flow injection analysis of 4-amino antipyrine in aqueous solution through its coupling with diazotized 2-amino acetophenone. Mouayed. Q. Al-Abachi, Sadeem S. Abed and I. M. A. Shakir. National Journal of Chemistry, 2, (2001), 185.

52-Kinetic and thermodynamic studies of a new enhanced chemiluminescence reaction ( $\text{MnO}_4^- - \text{Ni (II)} - \text{OH}^- - \text{Luminol}$ ) I. M. A. Shakir, Kareem. Sh. Ahmed, Mouayed. Q. Al-Abachi, Mohamed. T. Kareem. Iraqi J. of Chemistry, 2, (2001), 185.

53-Flow injection analysis of 4-aminoantipyrine in aqueous solution by coupling with diazotized 4-nitroaniline. Mouayed. Q. Al-Abachi, Sadeem S. Abed and I. M. A. Shakir. Iraqi J. of Science, 42, 1, (2001), 35.

54-Flow injection analysis of 4-aminoantipyrine in aqueous solution via oxidative coupling reaction with aniline and sodium periodate. I. M. A. Shakir, Sadeem S. Abed, Mouayed. Q. Al-Abachi. Iraqi J. of Science, 43, (2002).

55-Flow injection analysis of 4-antipyrine in aqueous solution via oxidative coupling reaction with aniline and potassium ferricyanide. Mouayed. Q. Al-Abachi, Sadeem S. Abed, I. M. A. Shakir. Iraqi J. of Science, 42, 3, (2001), 80.

56-Spectrophotometric micro determination of paracetamol in pharmaceutical preparations via oxidative coupling with o-cresol and sodium periodate. Mouayed Q. Al-Abachi, H. S. Al-Ward. National J. of Chemistry, 4, (2001), 538.

57-Development of a spectrophotometric micro determination of Uric acid. Mouayed Q. Al-Abachi, M. A. Al-Hamadani and W. Shaker. National J. of Chemistry, 3, (2001), 330.

58-Flow injection analysis of 4- amino antipyrine in aqueous solution via oxidative coupling reaction with anilin and N-bromo succinamide. Mouayed Q. Al-Abachi and S. Al-Najafi. J. Education and Science, 49, (2001), 13.

59-Spectrophotometric micro determination of Folic acid in pharmaceutical tablets via oxidative coupling reaction with phenothiazine in the presence of sodium periodate. Mouayed Q. Al-Abachi, R. S. Al-Abedi, J. Education and science, 3, (2002), 21.

60-Spectrophotometric micro determination of Tetracaine Hydrochloride in pharmaceutical preparations via oxidative coupling reaction with phenothiazine and ferric nitrate. Mouayed Q. Al-Abachi, S.S. Al-Delami, H.S. Al-Ward. J. of the College of Education for Women, 13, 4, (2002), 832.

61-Spectrophotometric micro determination of Metoclopramide Hydrochloride in pharmaceutical preparations via oxidative coupling reaction with phenothiazine in the presence ferric nitrate. Mouayed Q. Al-Abachi, H.S. Al-Ward. National J. of Chemistry, 7, (2002), 363.

62- Spectrophotometric assay of Methyl dopa in pharmaceutical preparations via oxidative coupling with thiourea and ferric nitrate. Mouayed Q. Al-Abachi, Y.Y.Z. Farid and M. J. Hamza. National J. of Chemistry, 8, (2002), 520.

63-Spectrophotometric micro determination of Folic acid in pharmaceutical tablets via oxidative coupling reaction with o-amino phenol in the presence potassium iodate. Mouayed Q. Al-Abachi, R.S. Al-Abaidi. National J. of Chemistry, 7, (2002), 382.

- 64- Spectrophotometric method for Folic acid assay in pharmaceutical tablets. Mouayed Q. Al-Abachi, R.S. Al-Abaidi. National J. of Chemistry, 7, (2002), 363.
- 65- Indirect spectrophotometric micro determination of Paracetamol in pharmaceutical preparations. Mouayed Q. Al-Abachi, H.S. Al-Ward. Iraqi J. of Chemistry, 29, 1, (2003), 51.
- 66- Spectrophotometric determination of selenium (IV) using Indol as a reagent. Mouayed Q. Al-Abachi, M.K. Jallhom and M.S. Al-Kailady. National J. of Chemistry, 6, (2002), 149.
- 67- Spectrophotometric micro determination of Phenylephrine Hydrochloride in pharmaceutical preparations via oxidative coupling reaction with 4-Amino antipyrine and sodium periodate. Mouayed Q. Al-Abachi, H.S. Al-Ward. National J. of Chemistry, 6, (2002), 221.
- 68- Spectrophotometric micro determination of Folic acid in pharmaceutical tablets via oxidative coupling with chatechol and ferric nitrate. Mouayed Q. Al-Abachi, R.S. Al-Abaidi. Iraqi J. of Chemistry, 20, 4, (2003), 41.
- 69- Spectrophotometric and High Pressure Liquid Chromatography (HPLC) methods for the determination of Methyl Dopa in pharmaceutical preparations Mouayed Q. Al-Abachi, Y.Y.Z. Farid and M.J. Al-Dujaily. National J. of Chemistry, 9, (2003), 64.
- 70- FiA Spectrophotometric determination of Phenylephrine-HCl in pharmaceutical preparations by reaction with 4-Amino antipyrine. Mouayed Q. Al-Abachi, M.J. Hassan and M.A. Mustafa. National J. of Chemistry, 9, (2003), 79.
- 71- Metal complexes of 4, 5 diphenyl-2-dibutyl amino methyl-1, 2, 4-triazole-3-thione. Mouayed Q. Al-Abachi, R.A.M. Al Hasani and Ayad H. Jassim National J. of Chemistry, 9, (2003), 115.
- 72- Preparation and study of some transition metal complexes with Mannich base derivative of Triazole ring. Mouayed Q. Al-Abachi, R.A.M. Al Hasani and Ayad H. Jassim J. Education and Science, (2003).

73-Colorimetric determination of Folic acid in pure and tablets form, Mouayed Q. Al-Abachi and R. S Al-Abaidi, National Journal of Chemistry,2003, Volume 11, 370

74-A Comparative study of the determination of procaine in pharmaceutical preparations by indirect spectrophotometric and high pressure liquid chromatographic methods, Mouayed Q.Al-Abachi, Yahya Y. Z. Farid and Mohammed J.Hamza, National Journal of Chemistry, 2003, Volume 11,385.

75-Spectrophotometric Micro Determination of Folic Acid in Pharmaceutical Tablets Via Oxidative Coupling with Promethazine Hydrochloride and Sodium Periodate Mouayed Q.Al-Abachi and R. S. Al-Abaidi, J.Saudi Chem.Soc; Vol 7, No.1; pp 9-16 (2003).

76-Mannich base derived from 1,2,4- triazole as chelating ligand for transition metal complexes , Mouayed Q.Al-Abachi and Ayad H. Jassim and Rehab A.M.Al-Hassani , National Journal of Chemistry ,2003, Volume 12,598.

77- FI- Spectrophotometric Determination of Methyl Dopa in Pharmaceutical Preparation Via oxidative Coupling With Thiourea and Ferric Nitrate, Mouayed Q.Al-Abachi and Muneer A.Al-Da'amy, National Journal of Chemistry,2004, Volume 13,47.

78-Spectrophotometric Determination of some Sulphonamide drugs via oxidative coupling with phenothiazine and ceric ion using flow-injection technique, Mouayed.Q.Al-Abach,I.M.A.Shakir and Yousif.J.Azeez , Iraqi.J.Sci,Vol.43A,No.1(2002) P.68

79-Preparation and study of some transition metal complexes with Mannich base derivative of triazole ring, Mouayed.Q.Al-Abachi, R.A.M.Al-Hasiani, A.H.Jassim, A.Al-Tai, J.Edu.Sci.Volume 16 No.1(2004) P.40

80-FI- Spectrophotometric determination of Adrenaline and dopa amine in Pharmaceutical preparations via oxidative coupling with Thiourea and Ferric Nitrate.Mouayed. Q.Al-Abachi and Muneer A.Al-Da'amy, National Journal of Chemistry , volume 15,2005

81-Spectrophotometric determination of Adrenaline and dopa amine in Pharmaceutical preparations via oxidative coupling with Thiourea and Ferric Nitrate.Mouayed Q.Al-Abachi and Muneer A.Al-Da'amy, National Journal of Chemistry , volume 16,2005

82-Spectrophotometric determination of Catechol amine drugs in Pharmaceutical preparations via oxidative coupling reaction with 3-amino pyridine and sodium periodate.Mouayed. Q.Al-Abachi and Muneer A.Al-Da'amy, National Journal of Chemistry , volume 18,2005

83-FI- Spectrophotometric determination of Catechol amine drugs in Pharmaceutical preparation via oxidative coupling with 4-AAP and sodium hydroxide.Mouayed. Q.Al-Abachi and Muneer A.Al-Da'amy, National Journal of Chemistry,volume 19,2005

84-FI- Spectrophotometric determination of Catechol amine drugs in Pharmaceutical preparation via oxidative coupling with N,N –dimethyl aniline and potassium meta periodate. Mouayed. Q.Al-Abachi and Muneer A.Al-Da'amy, . National Journal of Chemistry, volume 20,2005

85-Spectrophotometric determination of Amoxicilline by reaction with N,N dimethyl aniline and potassium hexacyanoferrate(III). Mouayed.Q.Al-Abachi, Hind.Haddi and Anas.M.Al-Abachi, Anal.Chim.Acta, 554(2005)184-189.

86-A Developed spectrophotometric determination of Amoxicilline forms via charge-transfer reaction with metol. Mouayed. Q.Al-Abachi and Hind Hadi, Journal of AL-Nahrian University,Vol10(2),2007,1-6

87-Flow injection spectrophotometric determination of Amoxicilline in pharmaceutical samples by coupling with diazotized 4-aminoacetophenone, Mouayed. Q.AL-Abachi and Hind Hadi, Proceeding 3<sup>rd</sup> Scientific conference of the college of science,Baghdad University, 24-26 March 2009,page1605.

88-Flow injection spectrophotometric determination of Amoxicilline based on its condensation with 4- aminoantipyrine, Mouayed. Q.AL-Abachi and Hind Hadi, Iraqi Journal of Science,Vol.50,No.1,2009,p.8-15.

89-Spectrophotometric determination of methyl dopa and dopamine hydrochloride in pharmaceutical preparations using flow injection analysis, Mouayed. Q.AL-Abachi, Raghad Sinan and Hind Hadi, National Journal Of Chemistry,vol.36(2009)597-604.

90-Developed spectrophotometric determination of salbutamol sulphate in pharmaceutical samples by coupling with diazotized 4-aminoacetophenone, Journal of AL-Nahrian University, Mouayed. Q.AL-Abachi, Hind Hadi and Rana. A. Hamza, Vol.11(2),2008, 62-67

91-Flow injection spectrophotometric determination of amoxicilline in pharmaceutical samples by coupling with diazotized P-nitroaniline, Mouayed. Q.AL-Abachi and Hind Hadi,مجلة بحوث السوق وحمايه المستهلكو, Vol.1, No.1(2009)

92-Spectrophotometric determination of Allopurinol in tablet formulations, Mouayed. Q.AL-Abachi and Wejdan Shakir, Journal of physical Science, Vol.19(2),2008,23.

93-Spectrophotometric determination of chloamphenicol via oxidative coupling reaction with pyrocatechol, Mouayed. Q. AL-Abachi and Raghad Sinan, AL-Mustansiriya Journal of science, Vol.21(5)2010,221.

94-Flow injection analysis for the spectrophotometric determination of Bromhexine hydrochloride in pharmaceutical preparations, AL-Mustansiriyah journal of science, Mouayed. Q. AL-Abachi and Hind. S. AL-Ward, Vol.22(4)2011,138.

95-Batch and flow injection spectrophotometric methods for determination of paracetamol in pharmaceutical preparations via oxidative coupling with 4-aminoantipyrine ,Mouayed. Q. AL-Abachi and Zainab.F. Hassan send for publication,Journal of AL-Nahrian University,2010

96-Batch and flow injection spectrophotometric determination of thymol using procaine hydrochloride as anew chromogenic reagent, Mouayed . AL-Abachi and Hind AL\_Ward, accepted for publication in Baghdad journal of science, 2011.

97-Batch and flow injection spectrophotometric determination of procaine hydrochloride in pharmaceutical preparations using diazotization and coupling, Mouayed. Q. AL-Abachi, Wassan. A. AL-Azri and Hind AL\_Ward, accepted for publication in Baghdad journal of science, 2011.

98-Batch and flow injection spectrophotometric determination of cefatoxime sodium in pharmaceutical preparations , Mouayed. Q. AL-Abachi, Yassmin. H. Mohammad and Hind. S. AL\_Ward, accepted for publication in Iraqi journal of science, 2011.

99-Normal and reverse flow injection-spectrophotometric determination of thiamine HCL in pharmaceutical preparations using diazotized metochlopramide. Mouayed. Q.AL-Abachi and Hind hadi ,send for publication to Anal.Chim.Acta.

100- Batch and flow injection spectrophotometric determination of paracetamol in pharmaceutical formulations via coupling with diazotized p-nitroaniline, Mouayed. Q.AL-Abachi and zainneb. F. Hassan, accepted for publication in Iraqi journal of science.

#### **International Conferences:**

- 1- Determination of some drugs, amino acids, proteins and other compounds of biochemical interest. FACSS and XIXCSI and six International Conferences on atomic spectroscopy, November 1976, Philadelphia, Pennsylvania, USA.
- 2- Determination of aldehydes and ketones and its mixture by molecular emission cavity analysis (MECA).
- 3- Principles and application of molecular emission cavity analysis (MECA). International symposium on microchemical technique Davos, May 1977, Switzerland.
- 4- Determination of sulphur anions in binary and ternary mixtures by molecular emission cavity analysis. International conference on analytical chemistry, SAC 77 Birmingham University, July 1977.

- 5- Application of molecular emission cavity analysis to the analysis of vic-diols. International Conference on analytical chemistry, SAC 80, University of Lancaster, July 1980.
- 6- Indirect atomic absorption spectrometric method for the microdetermination of sulphur in organic drugs. International Conference on analytical and biochemistry, Biochemische Analytik 32, Munchen, April 1982.
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