



**Name:** Entesar Obaid Baryas Al-Tamimi

**Gender:** Female

**Marital Status:** Married

**Date of Birth:** 15/7/1959

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**Official Address:** Department of Chemistry, College of Science, University of Baghdad-Jadiryah, Baghdad

**Date of Occupation:** 26/9/1981, Department of Chemistry College of Science, University of Baghdad-Jadriyah, Baghdad.

**Education History:**

Education Data	Place	Date	Specialization
University	1. College of Science, Baghdad	1981	Chemistry (B.Sc.)
	2. College of Science, Baghdad	1989	Organic Chemistry in Polymers (M.Sc.)
	3. College of Science, Baghdad	1998	Organic Chemistry in Polymer (Ph.D.)

**Professional Experience and Information:**

Institution and Location	Title of Position	From	To
• University of Baghdad, Dept. of Chem., College of Science.	Chemical Assistant (B.Sc.)	1981	1986
• University of Baghdad, Dept. of Chem., College of Science.	Assistant Lecturer (M.Sc.)	1991	1994
• University of Baghdad Dept. of Chem., College of Science.	Lecturer (Ph.D.)	1998	2001
• University of Baghdad Dept. of Chem., College of Science.	Assistant Prof. (Ph.D.)	2001	2010
• University of Baghdad Dept. of Chem., College of Science.	Prof.(Ph.D.)	2010	Present

**Languages:** Arabic, English

**Teaching Experience and Theory:**

Theoretical Course Title	Class
• Organic Chemistry	1 <sup>st</sup> year (Dept. of Biology)
• Organic Chemistry	2 <sup>nd</sup> year (Dept. of Chemistry)
• Organic Chemistry	3 <sup>rd</sup> year (Dept. of Chemistry)
• Physical Organic Chem.	3 <sup>rd</sup> year (Dept. of Chemistry)
• Chemistry of Polymers	4 <sup>th</sup> year (Dept. of Chemistry)
• Chemistry of Org. Nitrogen compounds	Higher education (M.Sc.)
• Molding of Industrial Polymers	Higher education (M.Sc.) Dept. of Chemistry.
• Chemistry of Heterocyclic Compounds	Higher education (M.Sc.) Dept. of Chemistry)
• Advance heterocyclic Compounds	Higher education (Ph.D.) Dept. of Chemistry.
• Chemistry of Organic N,O Compounds	Higher education (Ph.D.) Dept. of Chemistry.
• Advanced Physical organic	Higher Education (M.Sc.)
Mechanism in Organic Chemistry	Higher education (Ph.D.) Dept. of Chemistry.
Oxidation in Organic Chemistry	Higher education (Ph.D.) Dept. of Chemistry.
Carban ion and Heterocyclic	Higher education (Ph.D.) Dept. of Chemistry.
Azoles, Fused ring and their Aromatic Heterocyclic Reactions	Higher education (Ph.D.) Dept. of Chemistry.

Laboratory Experience	Class
• General Chemistry Lab.	1 <sup>st</sup> year
• Polymer Chemistry Lab.	4 <sup>th</sup> year
• Organic Chemistry Lab.	2 <sup>nd</sup> and 3 <sup>rd</sup> years

#### Published Researches:

1. Synthesis of several new copoly [N (allyl) subs. imide-mathy acryl ate] and curing the unsaturated resin by free radical, **Entesar O. AL-Tamimi and Muna I.AL-Heity and Lathetha S.Omer**, Department of Chemistry, College of Science, University of Baghdad, Baghdad Iraq, Iraqi. Chemistry. Vol. (29), No. (4) 2003, PP (159 – 172).

2. Synthesis of Poly (Ally amine) from reduction of Polyacrylonitrile and grafting the product with amic acid, **Thanun M. Phriadi, Entesar O. AL-Tamimi**  
Department of Chemistry, College of Science, University of Baghdad, Baghdad Iraq, Iraqi . Sci. Vol. (40A)/ No. (4) 1999, PP (14 – 50).
3. Synthesis of several new Poly [N-(allyl)-subs. imides] and curing the unsat. Resins by free radical. **Thanun M.Pyiadi, Entesar O.AL-Tamimi**, The 1<sup>st</sup> conf. of Chemistry/ College of education (2001).
4. Synthesis of Poly [ethyl subs. imine acrylate] from cond-of Poly [ethyl amine acrylate], **Entesar O.AL-Tamimi, Naema J.AL-Umsalama** Science Journal, Vol. (3) No. (2) 2006, PP (348 – 357).
5. Reduction of Copoly (acrylonitrile-MA) and grafting the product with amic acid, **Entesar O.AL-Tamimi**, National J. of Chemistry Vol. (22) No. (1) 2006, PP (232 – 242).
6. Synthesis of Poly (N-substituted imine acrylamide derivative) from Poly acryl hydrazine, **Entesar O.AL-Tamimi, Sameah J.AL-Bayatti**, Notional J. of Chemistry Vol. (21) No. (2) 2006, PP. (40 – 52).
7. Copolymerization and cross linking of Poly (Vinyl cinnamate)  
**Entesar O.AL-Tamimi, Ahman Soliman**, Tikrit J. of Pure Science, Vol. (5) No. (2), 2009, PP. (251 – 263).
8. Synthesis and Copolymerization of several N-substituted Acryl amide, **Ahlam M. AL-Azawi, Entesar O.AL-Tamimi** and **Rana Abid Ali**, Umsalma Science Journal, has been accepted for publication in( 2009).
9. Synthesis and free radical Polymerization of 7-Oxa-5,6-Dicaboxyimide-N-yl Bicyclo [2.2.1] heptane Acryl ate, **Thanun M. Pyriadi, Entesar O.AL-Tamimi**  
Iraqi. Sci. (35), (2), 1992, (190 – 114).
10. Synthesis of new amino esters, **Thanun M.Pyriadi** and **Entesar O.AL-Tamimi**  
The 1<sup>st</sup> conf. of Chem./ Geneva, Vienna.
11. Synthesis of Copoly (Ally amine-vinyl acetate) from reduction of Copoly (Acrylonitrile-Vinyl acetate) **Entesar O.AL-Tamimi**, Iraqi. Chem. Vol. (26), No. (4) 2000, PP. (863 – 878).
12. Reaction of Coploy [N-(ally) substituted amic acids vinyl acetate with acetyl chloride.  
**Entesar O.AL-Tamimi and Mohamad refat and Ahlam M.AL-azawi**  
Iraqi. Chem. (27), (3) 2001, PP (635 – 647).

13. Synthesis of malimidyl, dimethyl malimidyl and Phthal Phenyl acetate and their applications as plasticizer **Ahlam M-ALazawi** and **Entesar O.AL-Tamimi** Iraqi. Chem. (27), (2), 2001, PP (359 – 367).
14. Synthesis of new poly diimides from reaction poly acryloyl chloride and diamides **Entesar O.AL-Tamimi** and **Luma S.Ahmed** Umsalma Science Journal, has been accepted for publication in ( 26-3- 2009)
15. Structural modification of some known Drugs by adding polymeric chains. **Entesar O.AL-Tamimi** and **Safaa H. Fathuallah** Iraqi Journal of science, has been accepted for publication in ( 26-3- 2009)
16. Synthesis and Characterization of New Polyimide Contain Heterocyclic. **Entesar O.AL-Tamimi** and **Thanaa M. Al-Mouamin** J. of Baghdad for Science (Vol. 10(4) 2013)
17. Synthesis of N-benzothiazole derivative imide on Polymeric Chain, have Possible Biological Activity. **Entesar O.AL-Tamimi** , **Mohmoud A. Al-Issa** and **Hind F.AL-Gburi** J. of Baghdad for Science (Vol. 10(3) 2013)
18. Synthesis and Characterization of New Polyimide by Curing Poly Acryloyl Chloride with different Amides **Entesar O.AL-Tamimi** , **Mohmoud A. Al-Issa** and **Sameaa J. Al-Bayati** Conference of Chemistry College of Science for Women 2012
19. Synthesis of New Derivatives of adipoyl Thiadiazole **Entesar O.AL-Tamimi** and **Enaam Fadel Mosa** Tikrit J. of Pure Science Vol.34 2011
20. Synthesis, Polymeric and Studied of New Derivative of 2-Aminobenzothiazole Imide **Entesar O.AL-Tamimi** , **Mohmoud A. Al-Issa** and **Hind F.AL-Gburi** Int. J.of Scientific and Engineering Research Vol 3 2012
21. Synthesis of Ester Acid Hydrazide Pendant Imino Group Copolymers **Entesar O.AL-Tamimi** and **Hizoom Mola Al-Mayiah** J.Basic Appl.Sci. Res. Vol 1 (8) 2011
22. Synthesis of some New Azo comp. derived from 2- Aminobenzothiazole **Entesar O.AL-Tamimi** and **Maha Qasem** Karbala Med. J. Vol. 4(34) 2012
23. Synthesis and Characterization of Heterocyclic Derivatives from 2-azobenzothiazole have Possible Biological Activity. **Entesar O.AL-Tamimi** and **Maha Qasem** Karbala J. for Pharmaceutical Sci. Vol 4(2) 2012

24. Modification of Polymaleic Anh. By Addition of Different Aldo Mono Saccharides. **Entesar O.AL-Tamimi, Thanaa M. Al-Mouamin and Zaidoon J. Kadoom** Iraqi J. of Sci.Vol 4(55) 2014
25. Modification of Polymaleic Anh. with Different Mono Saccharides. **Entesar O.AL-Tamimi, Thanaa M. Al-Mouamin and Zaidoon J. Kadoom** J. of Chem. and Pharmaceutical Res.Vol 6(2) 2014
26. Synthesis and Characterization of Poly (N-Acryl-N-Sulfonic Acid-N Yl-2-Substituted-4-oxo- Thiazolidine) Maleic and Succinic Diimide. **Entesar O.AL-Tamimi and Hayder M. Amen** Iraqi J. of Sci.Vol 4(55) 2014
27. Synthesis and Characterization of Poly(N-Acryl-N-Sulfonic Acid-N Yl-2-Substituted-4-oxo- Thiazolidine) glutaric and phthlic diimide. **Entesar O.AL-Tamimi and Hayder M. Amen** J. of Chem. and Pharmaceutical Res.Vol 6(3) 2014.
28. Synthesis, characterization and study biological activity of new morpholine derivative, Journal of Baghdad for Science, 2015.
29. Synthesis of heterocyclic phenol on poly (vinyl alcohol), Journal of University of Thi-Qar, 2014.
30. Synthesis, characterization and antibacterial studies of 2-azetidinones compounds derivatives from amoxicillin, Journal of Baghdad for Science, 2015.
31. Synthesis, characterization of beta-lactam and oxadiazole cyclic of some drugs and polymerization, Journal of pharmaceutical Science, 2015.
32. Synthesis, characterization and antibacterial activity of cefalexin, Journal of Baghdad for Science, 2016.
33. Preparation of dioxadiazole from acryl acid hydrazine with adipoly chloride, Int. Journal of eurr. Microbial. App.Sci, 2015.
34. Synthesis of polyacryl amides from derivatives -2-amino benzothiazole and also preparation of dibutyl phthalate as a plasticizer to estimate plasticization behavior for prepared polymers. Journal of Al-Nahrain University, 2015.
35. Synthesis and characterization of some new substituted malonic ester derivatives containing thiazolidone, Journal of chemical and pharmaceutical research, 2015.

36. Synthesis and characterization of some Beta-lactam from substituted malonic ester, *Int.J. of chemistry and pharmaceutical science*, 2015.
37. Synthesis and study biological activity of imide cyclic on amoxicillin, *Journal of Baghdad for Science*, 2016.
38. Synthesis of some aromatic heterocyclic compound pendant of copoly (MA-AN), 2011.
39. Synthesis of some heterocyclic on poly methyl acrylate, 2013.
40. Synthesis, characterization and evaluation of antimicrobial activity of N-alkyl Iso oxazolidine from different Nitron, 2014.
41. Synthesis of new poly (sub-vinyl malonate amide) from malonic acid, *Int. J. of Science and Research*, 2015.
42. Synthesis of new poly (sub-vinyl malonate imide) from malonyl ester, *Int. J. of Science and Research*, 2015.
43. Synthesis of new poly (sub-vinyl malonate amine) from malonyl chloride, *Int. J. of Science and Research*, 2015.
44. Synthesis and antimicrobial of screening of some new azo compounds derive from thiazole ring modified, *Int. J. of ChemTech Research*, 2017.
45. Synthesis and characterization of new copolymers containing sub., 1,3,4-oxadiazole ring, *Journal of Global Pharma Technology*, 2019.
46. Synthesis and characterization of pyrazole ring pendant on modified poly (5-vinyl tetrazole-co- MA), *Journal of Biochemical and Cellular Archives*, 2019.
47. Synthesis and characterization of substituted 1,2,4-triazole pendant on poly ethylene via microwave and study anticorrosion for it, *Journal of Global Pharma Technology*, 2019.
48. Synthesis, characterization, theoretical study and effect of creatinine derivatives on the activity of GOT and GPT enzymes, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 2018.
49. Synthesis, Investigation, theoretical study and effect of Some New triazole derivatives on creatinine ring on the activity of some transferase

enzymes, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2018.

50. Synthesis, Identification, Theoretical study and effect of Heterocyclic Compounds on the Activity of GOT and GPT Enzymes, Research Journal of Pharmacy and Technology, 2019.

51. Synthesis, Identification, Theoretical study and Effect of 1,3,4-Oxadiazole Compounds Substituted on Creatinine Ring on the Activity of Some Transfers Enzymes, Research Journal of Pharmacy and Technology, 2019.

52. Synthesis and Characterization of new azo compounds from substituted 2-aminothiazole ring, International journal of green and herbal chemistry, 2015.

53. Synthesis and Characterization of some new azo compound from coupling of substituted 2-aminothiazolium salts with pyrrole, Journal of chemical, biological and physical science, 2017.

54. Synthesis and characterization of new compounds containing 2-amino thiazole ring from amino benzoic acid, Int. J. microbial .APP .Sci, 2016.

55. Synthesis and characterization of new compounds poly sub. Phthalimide, the pharmaceutical and chemical journal, 2016.

56. Synthesis, characterization and antibacterial activities of novel acryl polymers of 1,3,4-oxadiazole derivatives of cephalixin, Ibsina University for medical and pharmaceutical Sci, 2017.

57. Synthesis, characterization and polymerization of 1,3,4-oxadiazole derivatives of Amoxicillin Evaluation antibacterial activities, Int. J. curr. Microbial .APP. Sci, 2016.

58. New synthesis of cyclic imide compounds for Ampicillin drug and studying their biological activity, J. Sci. and consolidation unit, college of Sci for Women, 2017.

59. Synthesis and characterization of new compounds containing 2-amino thiazole ring from amino benzene.

60. Synthesis and characterization of new azo compounds derived from N-[1-amino-2-thiol-1,3,4-triazole-3-adipoyl] Phthalimide, Int. J. of Sci and Reasearch (IJSR), 2017.

61. Synthesis of poly azo heterocyclic from modification of poly methyl acrylate, 2017.

62. Synthesis and characterization of some new Morpholine derivatives, Journal of Baghdad for Science, 2016.

63. Synthesis of new derivatives of Adipoly Thiadiazole, Tikrit Journal of Pure Science, 2011.

64. Synthesis of ester acid hydrazide pendant Imino group copolymers, Journal of basic and Applied Scientific Research, 2011.

#### **Conferences and Scientific Activities:**

- 1- First conf. of chem. college of education 2001
- 2- First conf. of chem. Geneva 1997
- 3- Third conf. of chem. College of science 2009

#### **Committees in which I participated:**

1. Examination Committee for two years (Member, Rapporteur of the Committee).
2. Structural Committee in the department / Chairman.
3. Permanent member of the Technical Advisory Committee for the specifications of plastics, rubber and petroleum products / Central Organization for Standardization and Quality Control.
4. A member of the Committees in the section inside and outside the department.
5. Member of the Curriculum Development Committee.
6. Member of the committee of valuation of written-off materials.
7. Member of the comprehensive examination committee inside and outside the department for several times as well as chairman of the committee
8. Member of the Iraqi Journal of Chemical and Petroleum Engineering.
9. Member of the Committee of support and localization
10. Member of the Ministerial Committee for Pure Sciences
11. Member of the department council
12. Member of the scientific committee to identify the sober magazines
13. Scientific Clearing Committee as Chairman
14. Member of the Scientific Promotions Committee
15. . Member of the comprehensive examination committee in Al-Mustansyria University



• **Thanks and appreciation books:**

1. A letter of thanks number number 8 from the Minister
2. A letter of thanks number 10 from the Dean of the College of Science, University of Baghdad
3. A letter of thanks number 3 from the Dean of the College of Science, University of Basra
4. A letter of thanks number 6 from the Dean of the Faculty of Science, University of Babylon
5. A letter of thanks number 4 from the President of Baghdad University
6. A letter of thanks number 1 from Journal of Engineering

**Thesis Supervised by Me:**

1. Structural Modification of some known drugs by adding Polymeric chain **Safaa Hussain Fath-Alla. M.Sc. (/5/2007).**
2. Synthesis of New Coploy (ester-imide) by modification of New Copoly (ester-acids), and then polymerization the unsaturated (ester-acids) with vinyl monomers, **Hizoom mola. M.Sc. ( /4/2008).**
3. Chemical modifications of novolac via incorporations of silicon, phosphorous, boron and sulfur. Grafting novolac with Poly (Vinyl Chloride) and Poly maleimide, **GHada Hussain ALwan ALFarajy M.Sc. ( /2003).**
4. Cross linking and Copolymerization of unsaturated esters poly (Vinyl alcohol) with vinyl monomers, **Ahmed Solaiman Hamad M.Sc. ( /2006).**
5. Modification of Poly (Vinyl alcohol) to produce poly ester imides, copolymerization the unsaturates Polymers with methyl acrylate., **Salah Mahdy Bager M.Sc. (2008).**
6. Thermal study on vitamin C in some vegetables and note Chemical changes happened by cooking, Diploma in drug and Chemical analysis., **Wassan Imad Abdul Salam (2005).**
7. Preparation of Novolac resin grafted with Poly (Vinyl Chloride) and preparation of some Chelating complexes and esters, **Huda Jassim Mohammed AL-Shammary M.Sc. (2006).**
8. Synthesis and characterization of Heterocyclic Derivatives from 2-azo benzthiazole . **Maha Qasem Ph.D. 2012.**
9. Synthesis and Characterization of Poly(N-Acryl-N-Sulfonic Acid-N YI-2-Substituted-4-oxo- Thiazolidine) diimide. **Hayder M. Amen M.Sc. 2014**
10. Synthesis and modification of Polymaleic Anh. with Different Mono Saccharides. **Zaidoon J. Kadoom 2014.**
11. Synthesis of N-benzothiazole derivative imide on Polymeric Chain, have Possible Biological Activity. **Hind F.Al-Gburi Ph.D 2013.**

12. Synthesis and Characterization of New Polyimide by Curing Poly Acryloyl Chloride with different Amides **Sameaa J. Al-Bayati Ph.D. 2011.**
13. Synthesis of some new azo compounds from substituted thiazole ring and their applications, **Hussain Faleh Abdul Mahdi M.Sc. 2017.**
14. Synthesis and characterization of poly diamide, polydiamide with different heterocyclic from modification of malonic acid, Hizoom Mola Al-Mayiah **PhD 2016.**
15. Synthesis and characterization of poly (ester amide, amine and imide) from modification of malonic acid **Noor Ahmed Ali M.Sc. 2018.**
16. Modification and polymerization of some drugs by synthesis of beta-lactam and oxadiazole cycles and study antibacterial activity with toxicity for some them, **Khalida Alin Thejeel Alsudani PhD 2015.**
17. Synthesis and study (Theoretical and enzymatic) of new creatinine derivatives containing heterocyclic, **Zahraa Talib Khudhair PhD 2019.**
18. Synthesis and characterization of some new morpholine derivatives and screening the biological activity, **Sura Sadeq Al-Kaissi, M.Sc, 2015.**

- **Discussions completed by me:**

of MA / PhD and postgraduate studies were discussed throughout the country.

a. Faculties of Science in:

1. University of Baghdad.
2. College of Science for Girls / University of Baghdad.
3. University of Babylon.
4. Al-Nahrain University.
5. University of Basra.
6. Collector of Kufa

a. College of Education (Ibn Al Haytham) / University of Baghdad.

B. Department of Production and Minerals / University of Technology.

Dozens of theses and theses were evaluated for different universities / Faculty of Science.

- Dozens of researches have been evaluated for various journals, including:

1. Qatar Journal of Chemistry / University of Babylon / College of Science.
2. Al-Nahrain Journal / Al-Nahrain University / College of Science.
3. Journal of Umm Salamah / University of Baghdad / College of Science for Girls.
4. Journal of Qadisiyah / University of Qadisiyah / College of Education.
5. Technical Journal / College of Technology / Baghdad.
6. Journal of Science / College of Science / University of Baghdad

- Evaluated dozens of research promotion at various scientific titles of different universities.

Evaluate dozens of patents

### **Field of interest of proposed research for the Fellowships:**

Organic chemistry – Polymers and Heterocyclic