

# Curriculum Vitae



## 1-Personal Information

Name : Dr.Najat J. Saleh :  
Affiliation Chemical :  
Eng.Dep.  
(Included Phone and Email)  
Date of Birth: 1954 :  
Place of Birth: Baghdad :  
Nationality: Iraqi :  
Marital Status:Deforced :

## 2-Scientific Rank :Ass.Prof.

## 3-Research Interests

- Polymeric composite. Polymer blends
- Production of nanocarbon and activated carbon.
- Study the rheological properties of polymer blend melt.
- 

## 4-Education

(List your academic background, including undergraduate and graduate institutions attended)

Date	Discipline	Degree	Institution	Thesis Title
1976	Chemistry	B.Sc	Collage of Science-Baghdad University	
1981	Fiber Sciences and Technology	M.Sc.	Leeds University ,UK	The Compression Deformation of Kevlar fibers
1996	Polymer Chemistry	PhD	Collage of Science-Al-Mustansiriah University	Photoinitiation of Vinyl Polymerization by Mixed Ligand Vanadium (v) Schiff Base Complexes

## 5-Postdoctoral Training (if available)

- 
-

## **6-Management Posts (if available)**

(List in chronological order, included position details and dates)

- Head of research unit (production and design unit) from 18/12/1999 up to now.
- 
- 
- 

## **7-Grants and Fellowships (if available)**

- Grant to get the M.Sc in 1980.
- Grant to get the PhD IN 1992.
- 

## **8-Academic Experience**

### **1-Undergraduate Level**

- Lecturing polymer technology for 4<sup>th</sup>. Chem.. Eng.students and Applied Science students
- Chemical Industries for 4<sup>th</sup>. Chem.. Eng.students.
- Petrochemical Industries for 4<sup>th</sup>. Chem.. Eng.students.
- Analytical and Organic Chemistry for 1st Chem.. Eng.students and Petroleum technology students
- General Chemistry for Industrial teachers
- Physical Chemistry for Applied Sciences student
- Color Chemistry and finishing for Technical education. student and Textile student in University of technology.
- 

### **2-Postgraduate Level**

- Polymer Technology :MSc. Student
- Petrochemical Complexes : MSc. Student
- Interfacial phenomena :PhD Student.

## **9-Employment History (if available)**

(Including experience, institution, and data)

- 
- 
- 

## **10-License/Certification (if available)**

- 
- 
-

### 11-Honors and Distinctions (if available)

- 
- 

### 12-Skills and Qualifications (Language and computer)

- Arabic and English
- Training course in computer
- 

### 13-Publications/ Books

#### 1- Supervision:MSc.

1- Manufacturing of different grades of poly (vinyl formal) used for electrical wire.

2- Preparation and modification of different grades of poly (vinyl butyral) used for aluminum metal adhesion

3- Effect of photo-initiated oxidation on mechanical properties of polyethylene blends.

4- A study of mechanical and thermal properties of Novalack resin reinforced with different types of fibers.

5- Study the effect of addition of mineral clays on mechanical properties of PP\PA6 blend composite.

6- Improvement of locally produced low density PE.

7- Study of mechanical and physical properties of some epoxy composites

- 8- Processibility and effects of UV radiation on some mechanical properties of PC/PP blend.
- 9- Study of some physical and mechanical properties of polymer blend with Iraqi filler.
- 10-Thermal polymerization by using some transition element complexes in high oxidation state
- 11-Investigation of some mechanical properties of hybrid composites.
- 12-A study the effect of Iraqi bentonite on some properties of polymeric blend (PP/PMMA).
- 13-Study the effect of addition of carbon black on some physical properties of polymer blends (PP/PC).
- 14-Thermal polymerization by using some of transition element complexes in high oxidation state.

- 

- PhD

- 1- Graft polymerization on alumina for dry pressing applications.
- 3- 2- Development of high performance polymer matrix composite  
Effects of curing cycle on some mechanical properties of epoxy composite.
- 4-Synthesis and study properties of polymer with semiconductor
- 5- Force reduction of flowing (kerosene and gas oil) using – surfactants in carbon steel and P.V.C. pipes.

- 
- 

## 2-Research

### Under publication

- 

- 

### Accepted Manuscripts

- 

- 

### Published

- 1- The corrosive effects of some acids at low concentrations on copper foils using copper (II) ion selective electrode. Published in

J. Iraqi Chem. Soc., Vol.9, No.1 &2,25(1984).

2- Determination of nitrogen content in some Iraqi oils using colorimeter detector and Ionic chromatography. Published in J. Iraqi Chem. Soc., Vol.10, No.1, 12(1985)

3- Potentiometric titration of metal ions with Aliphatic Amines in Dimethylsulphoxide. Published in J. Iraqi Chem. Soc., Vol.12 No.1, 183(1987).

4- Fluoride determination in natural and waste waters by flow system using fluoride ion selective electrode. Published in J. Iraqi Chem. Soc., Vol.13, No. 1, 145(1988).

5- Spent Lubrication oil treatment for re-use. Published in Iraqi Chem. Soc., Vol.16, No. 1, 96(1991).

6-Photoinitiation of vinyl polymerization by Methoxo-oxobis (N(4-bromophenyl)Salicylideneiminato)Vanadium (V). Published in Iraqi J.of polymer, Vol. 1, No.1, 93-104 (1997).

7- Photograftization and photo curing of polymers by Chloro &Methoxo-oxobis (N (4-bromophenyl) Salicylideneiminato) Vanadium (V) Published in J. of polymers, Vol.1, No.1, 79-92 (1997).

8- Photoinitiation of vinyl polymerization by Chloro-oxobis(N(4-bromophenyl)Salicylideneiminato)Vanadium(V) . Published in Basra J. of Science, Vol.15, No.1, 89-98(1997).

9- Thermal initiation of styrene polymerization by Chloro-oxobis (N(4-bromophenyl)Salicylideniminato) Vanadium (V). Published in J. of Eng. and Technology, Vol.17, No. 3, 283-292(1998).

10- Ultrasonic studies of molecular interactions in the aqueous solutions of poly (acrylic acid) at various temperatures. Published

in J. of Eng. and Technology, Vol. 20, No.9 (2001).

11- Preparation and characterization of poly (vinyl formal) suitably used for wire enamel. Published in Hadhramout for studies and researches J., Vol.2, No. 2(2002).

12-An experimental study on the variables affecting the production of glucose from starch. Published in J. of Eng. and Technology, Vol. 20, No.10 (2001).

13- A study on the kinetics of the P.V.F. formation reaction. Published in J. of Eng. and Technology, Vol. 10, No.21 (2002).

14- An experimental design on the optimum conditions of the production of glucose from starch. Published in College of Eng. Al-Nahrain University, Vol. 6, No. 1 (2002)

15- Preparation and modification of different grades of poly (vinyl butyral) used for aluminum metal adhesion. Published in J. of Eng. and Technology, Vol.22, No. 3(2003).

16- Preparation and characterization of different grades of poly (vinyl butyral) used as aluminum metal adhesive. Published in J. of Eng. and Technology, Vol.22, No. 6(2003).

17-Thermal initiation of Methylmethacrylate (MMA) by Chloro - oxobis (N(4-bromophenyl)Salicylideniminato) Vanadium (V). Published in J. of Eng. and Technology, Vol.23, No. 5(2004)

18-Manufacturing of different grades of poly (vinyl formal) used for electrical wire. Published in Tikrit J.of Engineering Science, Vol.12, No.2, 11-47(2005)

19-Cure kinetics of Epon 828 cured with TETA.Published in Tikrit J. of Engineering Science, Vol.12, No.2, 118-135(2005).

20- Thermal initiation of Methylmethacrylate (MMA) by methoxo-oxobis (N (4-bromophenyl) Salicylideniminato) Vanadium (V). Published in J. of Eng. and Technology, Vol.25, No. 1(2007)

21-Mathematical model for autoclave curing of epoxy resin based composite materials. Accepted for publication.

22-The effect of blending of LLDPE on mechanical properties of HDPE. Accepted for publication.

23-Diffusion of various liquid of tubular shaped fiber reinforced compsites, Accepted for publication

24- Study the adhesion force of tubular shaped fiber reinforced compsites, Published in J. of Eng. and Technology, Vol.26, No. 7(2008)

25-Studing of some physical properties and morphology of blends of HDPE\ LLDPE after and before exposure to UV light. Accepted for publication.

26- Preparation of activated carbon from Iraqi Reed. Published in J. of Eng. and Technology, Vol.26, No.3 (2008).

27-Improve the performance of epoxy resin and poly (vinyl butyral) as an aluminum metal adhesive. Accepted for publication.

28 –Study the creep properties of tubular shaped fiber reinforced composite. Accepted for publication.

29-Improvement of locally produced low density polyethylene. Accepted for publication .

30-Recovery of PVA using PES(hollow fiber ultrafiltration membrane part 2.Effect of carboxymethyl cellulose conc. Accepted for publication

31-Effect of alcohol as additives on the morphology and separation of PES(hollow fiber ultrafiltration membrane Accepted for publication

- 
- 
- 

•

### 3-Books

- Basic principle in Analytical Chemistry in Arabic.
- 

### 14-Invited Lectures and Seminars\* (if available)

- Lecturing in the 7<sup>th</sup> of April University Eng. College in Libya from 8/10/1998 to 14/9/1999 ,the following subjects: Organic Chemistry 1and 2
- Petrochemical Industries

### 15-Conferences and Training (if available)

- The 11<sup>th</sup> Chemical Conference,Baghdad,Iraq 28-31/3/1983
- The 1<sup>ST</sup> Annual Conference of University of Technology ,Baghdad, Iraq 1-7/4/1984
- The 12<sup>th</sup> Chemical Conference, Baghdad, Iraq 2-6/2/1985
- The 2<sup>nd</sup> Conference of polymers,Basrah-Iraq 7-8 /11/1995.
- The 10<sup>th</sup> Arab Chemists Conference ,Baghdad, Iraq 22-24 /10/1996.
- 

\*تملى الاستماره بحسب التسلسل الزمن الحديث ثم الاقدم  
\* كذلك تتضمن جميع دورات التعليم المستمر كمقرر او محاضر او مشارك  
\* Skills and Qualifications تتضمن الاهتمامات والمهارات الاخرى الغير مذكوره بالاستماره  
\* License/Certification تتضمن اعضاء اتحاد ونقابات، جمعيات محليه ودوليه  
\*الكتب تتضمن المؤلفه والمترجمة