السيرة الذاتية

1- المعلومات الشخصية

ألاسم: الدكتورة
شهرزاد رفعت رؤوف

مكان العمل:
قسم الهندسة الكيمياوية - الجامعة التكنولوجية

تأريخ الميلاد: 20-9-1961

محّل الميلاد: بغداد

الجنسية: **عراقية**

الحالة الاجتماعية:
متزوجة

2- اللقب العلمي

أستاذ مساعد

3- الاهتمامات البحثية

- بحوث في العوامل المساعدة
- التاكل

4- الشهادات

التأريخ	الاختصاص العام	الشهادة	الجهة المانحة	
1983	الهندسة الكيمياوية	بكلوريوس	الجامعة التكنولوجية	
1986	الهندسة الكيمياوي	ماجستير	الجامعة التكنولوجية	

	ة			
1994	الهندسة الكيمياوي ة	دكتوراة	الجامعة التكنولوجية	

5- الدراسة ما بعد الدكتوراه

-

6- المناصب الإدارية

-
-

7- المنح والزمالات

- **UNSECO - UCCS ,Lille , France (Doing research in catalyst) for 3 months in 2005.**
- **Sabbatical for two years in Sudan – Khartoum University 2007-2009**

8- الخبرات الاكاديميه

1- الدراسة الاوليه

- 24 سنة
-

2- الدراسات العليا

- 15 سنة
-

9- خبرات العمل "الغير أكاديمية"

-
-

10- الجمعيات والنقابات

- 1 – Member in Chem. Eng. Dept. for higher studies from 2000 – 2007.

- 2 - Member of department committee in Chem . Eng. Dept. from 1998 – 2007 .
- 3- Finishing a certified in the Communication and Presentation training Workshop (given by Patricia Kantor) organized

  by The Institute for International Education (IIE) at

  Jordan (June 12-13, (2009).

- 4- Official Membership in the ISS - Wayne State University- Detroit, MI 48201-USA (2009).

11- التكريمات وأوسمة الشرف

- 15
-

12- المهارات (اللغات والحاسبة)

- الانكليزية
-

13- المنشورات/الكتب

1- الإشراف على طلبة الدراسات العليا

1- Supervision

Higher Studies Supervision :

❖ Higher Diploma Researches:

1 – Effect of promoters on catalytic activity (2002).

2 - Study of catalytic polymerization (2004).

3 - Study of catalytic cracking (2004).

4 - Extraction of noble metals from spent catalysts (2004).

❖ M. Sc. Supervision Thesis:

1 -Study the activity of Pt. And Pd. zeolite supported catalysts for hydrocarbon reaction (1998) .

2 -Study on the effect of SiO_2 / Al_2O_3 ratio on the activity of Pt zeolite support catalyst (1999).

3 -Preparation of Pt – Re /Al_2O_3 catalyst for n-C_7 reforming (1999).

4 - Effect of Catalyst Acidity on Hydroconversion on N-Hexane August (2000).

5 -Preparation and catalytic study of selected types of ZSM-5 zeolite (2001).

6 -Hydroisomerization of n-hexane under natural and chemical base mordenite zeolite(2001) .

7 -Hydrocracking of n-C_7 with Nio/MoO_3/Y zeolite as catalyst . The network of the reaction (2002).

8-Production of Food grade Gelatin from Bovine Hide Wastes. March (2004).

9-Petroleum Single Cell Protein Production. February (2005).

10-Mathematical Modeling of Diffusion in Zeolite at Isothermal Conditions. March (2005).

11- Carbothermic Reduction of AL-Hussainiyat Iron Ore Using Alkali Carbonate. April (2005).

12- The Effect of Promoters on the Activity of Catalyst on the Hydroconversion Reaction. MSc Thesis (2010).

- **Ph.D. Supervision Thesis:**

1-Conversion of Methane and Acetylene into Higher Molecular Weight Hydrocarbons Using Zeolite Catalyst, September (2004).

2-Simulation and experimental study of promoted commercial monolithic catalyst used in minimizing the exhaust gases of gasoline engine. March (2008).

3-Heavy naphtha reforming reactions with bi-and tri-metallic catalyst, experimental and analytical investigation. December (2008).

2- المقالات

المقدمة للنشر

-
-

المقبولة للنشر

-
-

المنشورة

- 1 - Evaluation of cooling water system in petrochemical plant . Eng. and Tech. J. (1995).
- 2 - Effect of isotopes on the ion – molecule reaction at thermal energy. Iraqi J. of chemistry (1989).
- 3 - Modification of zeolite as a support for platinum catalysts . Eng. and Tech. J. (1995).
- 4 - Hydroconversion of n-C_7 on platinum catalysts. Proc. of Jordan Chem . Eng. II, (1996).
- 5 - Study the corrosion effect of tomato paste in tinplates cans . 2^{nd} Iraqi Eng. Conf. Univ . of Mousal (1988).
- 6 - Effect of ion- molecule reaction of HN_2O^+ and HCO_2^+ in the upper atmosphere and interstellar space . 2^{nd}. Int. Eng. Conf. Mansoura, (1997).
- 7 - Hydroconversion and diffusion of n-heptane on zeolite catalyst . Eng. and Tech. J. (1999).
- 8 - Study the preparation and activity of Pt and Pd supported on zeolites. Eng. and Tech. J. (1999).
- 9 - Study the activity of platinum and palladium zeolite supported catalyst for hydrocarbon reaction. Jordan Chem . Eng. Conf. III, (1999).

- 10 - A kinetic model for n-heptane reforming on Pt- Re- $Al_2 O_3$ catalyst. Scientific J. Eng. Sci. Tikrit Univ. (2000).
- 11 - Deactivation of mordenite catalyst during n- hexane hydroisomerization . 1st Int. Conf. Chem. Eng. Univ. of Jordan (2000).
- 12 - Development of a kinetic model of n-heptane and reforming reaction on zeolite catalyst. Joradan Int.Chem. Eng. Conf. IV, (2002).
- 13 - Hydrocracking of n-C_7 with Nio/MoO_3/Y zeolite as catalyst. The network of the reaction. Eng. and Tech. J. Vol.24, No.3, (2005).
- 14 –Optimization of Production of Food grade Gelatin From Bovine Hide Wastes. Eng.and Tech.J.Vol.26,No.2,(2008).
- 15 – Petroleum Single Cell Protein Production. . Eng. and Tech. J. Vol.27,No.3,(2009).
- 16- The Effect of Zr loading on the Performance of Honeycomb monolithic Catalyst for the removal of No, Co and Hydrocarbon from Exhaust Car. Eng. and Tech. J. Vol.27,No.10,(2009).
- 17 – Structural changes of Nano Pt Particles during Thermal Ageing : Support induced Effect and Related Impact on the Catalytic Performances.(Submitted to Journal of Catalysis Ref. : JCAT09-737R3, (2010).
- 18 – The Effect of Promoters on the Activity of Catalyst on

the Hydroconversion Reaction. MSc Thesis (In progress to be publish soon in (2010).

13- الكتب المؤلفة والمترجمة

-
-
-

14- النشاطات الأكاديمية الأخرى

- وزارة النفط العراقية
- وزارة النفط السودانية

15- المؤتمرات والدورات التدريبية

- 1- Hydroconversion of n-C_7 on platinum catalysts. Proc. of Jordan Chem . Eng. II, (1996).
- 2 - Study the corrosion effect of tomato paste in tinplates cans . 2nd Iraqi Eng. Conf. Univ . of Mousal (1988).
- 3 - Effect of ion- molecule reaction of HN_2O^+ and HCO_2^+ in the upper atmosphere and interstellar space . 2nd. Int. Eng. Conf. Mansoura, (1997).
- 4 - Study the activity of platinum and palladium zeolite supported catalyst for hydrocarbon reaction. Jordan Chem . Eng. Conf. III, (1999).
- 5 - Deactivation of mordenite catalyst during n- hexane hydroisomerization . 1st Int. Conf. Chem. Eng. Univ. of Jordan (2000).
- 6 - Development of a kinetic model of n-heptane and

reforming reaction on zeolite catalyst. Joradan Int.Chem.

Eng. Conf. IV, (2002).

-
-
-