

Curriculum Vitae



1-Personal Information

Name : Dr . Shahrazad Rifat Raouf
Affiliation : Chemical Engineering Department ,
(Included Phone and Email) University of Technology,
srraouf@yahoo.co.uk

Date of Birth : 20th of Sep. 1961 ,
Place of Birth : Baghdad
Nationality :IRAQI
Marital Status : Married

2-Scientific Rank

Ass. Prof. and Lecturer & Researcher in Chemical Engineering
Department- University of Technology

3-Research Interests

- Catalytic Engineering and Kinetic Reaction.
- Corrosion

4-Education

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

Date	Discipline	Degree	Institution	Thesis Title
1983	Chemical Engineering	B.Sc	University of Technology, Chemical Engineering Department, Baghdad - IRAQ	
1986	Corrosion	M.Sc.	University of Technology, Chemical Engineering Department, Baghdad - IRAQ	
1994	Catalyst	Ph.D	University of Technology, Chemical Engineering Department, Baghdad - IRAQ	

5-Postdoctoral Training (if available)

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6-Management Posts (if available)

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

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7-Grants and Fellowships (if available)

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

8-Academic Experience

1-Undergraduate Level

- 24 years
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2-Postgraduate Level

- 15 years
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9-Employment History (if available)

(Including experience, institution, and data)

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10-License/Certification (if available)

- 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-Honors and Distinctions (if available)

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12-Skills and Qualifications (Language and computer)

- In Computer from UOT
- English (as second language)

13-Publications/ Books

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 $\text{SiO}_2 / \text{Al}_2\text{O}_3$ 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).

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2-Research

Under publication

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Accepted Manuscripts

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Published

- 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-C₇ on platinum catalysts. Proc. of Jordan Chem . Eng. II, (1996).
- 5 - Study the corrosion effect of tomato paste in tins cans . 2nd. 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 . 2nd. 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_2O_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).

3-Books

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14-Invited Lectures and Seminars* (if available)

- Oil Ministry -IRAQ
- Oil Ministry-Sudan
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15-Conferences and Training (if available)

- 1- Hydroconversion of n-C₇ 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 HN₂O⁺ and HCO₂⁺ 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).

*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 المذكوره بالاستماره
* License/Certification تتضمن اعضاء اتحاد ونقابات، جمعيات محليه ودوليه
*الكتب تتضمن المؤلفه والمترجمة