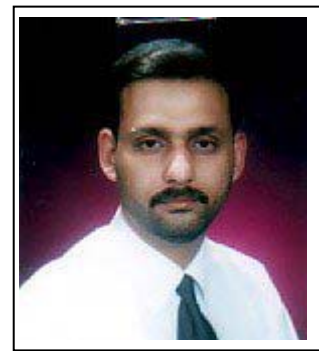


Curriculum Vitae



1-Personal Information

Name : Bashir Yousif Sherhan Al-Zaidi
Affiliation : **Tel.:** 5313452 **Mobile:** + 964-7901516884
(Included Phone and Email) **E-mail:** bashiryoush1974123@yahoo.com

Date of Birth : 6th February 1974
Place of Birth : : IRAQ-Baghdad
Nationality : Iraqi
Marital Status : Married

2-Scientific Rank:

Lecturer in chemical processing engineering – chem. Eng. Dept. – University of Technology
– Baghdad / Iraq.

3-Research Interests

- Synthesis, post-synthesis (modification) and catalysis of Zeolite catalysts.
- Cracking and hydro-cracking processes in petroleum industry.
- Characterization techniques of the porous materials.
- Hydro-cracking of polymer waste in petrochemical processes.
- Gas adsorption-desorption isotherm.
- Preparation of greases from Bentonite and other thickeners.

4-Education

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

Date	Discipline	Degree	Institution	Thesis Title
2011	Chemical engineering – Petroleum Refining Engineering	Ph.D.	University of Manchester – United Kingdom	The effect of modification techniques on the performance of Zeolite-Y catalysts in hydrocarbon cracking reactions. [Website]:- (https://www.escholar.manchester.ac.uk/api/datastream?publicationPid=uk-ac-man-scw:133717&datastreamId=FULL-TEXT.PDF)
2003	Chemical engineering – petrochemical Engineering	M.Sc.	University of Technology – Baghdad, Iraq	Preparation of water-resistance greases from Iraqi Bentonite.
1996	Chemical engineering	B.Sc.	University of Baghdad – Baghdad, Iraq	Project design (Recovery of Helium from Natural gas).

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)

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8-Academic Experience

1-Undergraduate Level

- 2002-2003 taught 4th class in the Military college of engineering, subject taught: Industrial safety.
- 2003-2006 taught 3rd & 4th classes in the Al-Rasheed college of engineering & Science, subject taught: Petroleum refining technology, Numerical methods, and Optimization techniques.
- 2006-2007 taught 4th class in the Al-Rasheed college of engineering & Science, subject taught: Chemical Industries.
- 2003-2006 supervision of project design for 4th class students.
- 2012 – tell now taught 4th class in the University of Technology–Chem. Eng. Dept., subject taught: Engineering of catalysts.
- 2012-2013 taught 4th class in the University of Technology–Chem. Eng. Dept., subject taught: Industrial engineering & management.
- 2013 – tell now taught 1st class in the University of Technology–Chem. Eng. Dept., subject taught: English language.
- 2012 – tell now supervision of project design for 4th class students.

2-Postgraduate Level

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9-Employment History

(Including experience, institution, and data)

- Military college of engineering–Iraqi armed forces.
- Al-Rasheed college of engineering & Science.
- University of Technology–Chemical Engineering Department.

10-License/Certification

- Iraqi Engineers Union, since 06/08/1996 up to date – Degree: Consultant.
- Association of University Lecturers, since 05/05/2005 up to date.
- Associate the Research Group of the Centre of Nanoporous Materials-UK, since 2009, [Website]:- <http://www.cnm.manchester.ac.uk/bashir.htm>.
- Federation of Arab Engineers, since 15/10/2012 up to date.

11-Honors and Distinctions (if available)

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12-Skills and Qualifications

- Statistic, optimization, and numerical methods.
- Microsoft office (word, excel, power point, and outlook).

- Speed research and academic writing skills.
- English language skills (reading, writing, listening, and speaking) required for enrollment in postgraduate studies in UK universities.
- Advanced qualifications for using the characterization systems of the porous materials (i.e. IGA-001 system, MAS-NMR machine, XRD, ESEM, EDX, ICP-AES, BET-isotherm, NH₃-TPD, TGA, DSC, FTIR, HE-Pycnometer, and GC for chemical products (output) investigation).

13-Publications/ Books

1- Supervision

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2-Research

Under publication

- Study the kinetic and thermodynamic parameters during the calcination process of Na-NH₄Y-Zeolite catalyst, by Bashir Y. Al-Zaidi and Arthur A. Garforth.
- Dealumination of Y-Zeolite catalyst, by chemical treatment technique using EDTA-chelating agent, by Bashir Y. Al-Zaidi and Arthur A. Garforth.
- Acid leaching dealumination by HCl and base leaching desilication by NaOH of Y-Zeolite catalyst, by Bashir Y. Al-Zaidi and Arthur A. Garforth.
- Successive combination of leaching modifications for both Na-NH₄Y- and Na-NH₄USY- Zeolite catalysts, by Bashir Y. Al-Zaidi and Arthur A. Garforth.
- Improved the catalytic performance of hydrocarbon cracking reactions over both the leached Y and leached USY- Zeolite catalysts, by Bashir Y. Al-Zaidi and Arthur A. Garforth.

Accepted Manuscripts

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Published

- Designing cracking/hydrocracking Zeolite catalysts, Authors: Bashir Y. Al-Zaidi, Arthur A. Garforth, IChemE/Applied catalysis – Royal society of chemistry (RSC) / London-Catalyst preparation 4, 9, 2012.
- Study of the relationship between framework cation levels of Y-zeolites and behavior during calcination, steaming, and n-heptane cracking processes, by Bashir Y Al-Zaidi, Richard J. Holmes, and Arthur A. Garforth, Industrial & Engineering Chemistry Research (I&EC), 51 (19), 6648-6657, 2012.
- The effect of modification techniques on the performance of zeolite-Y catalysts in hydrocarbon cracking reactions, by B. Y. Al-Zaidi and A. A. Garforth, 34th annual British zeolite conference – University of Edinburgh– United Kingdom, Promoting the Science of Nanoporous Materials 51, 59, 2011.
- Synthesis, characterization, modification and catalysis of USY-Zeolite catalysts, by B. Y. Al-Zaidi and A. A. Garforth, 33rd annual British zeolite conference – University of Southampton – United Kingdom, Promoting the Science of Nanoporous Materials 27, 84, 2010.
- Preparation of water resistance greases from Iraqi Bentonite, by Bashir Y. Al-Zaidi, Emad F. Mansour, and Mohammed J. Abdul-Ghani, 4th Int. Engineering conference – Mansoura University – Egypt, IEC 10-32, 51, 2004.

3-Books

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14-Invited Lectures and Seminars

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15-Conferences and Training

- The second engineering conference of control, computers and mechatronics, University of Technology-Iraq, 25-27 February 2014.
- The fourth scientific conference of nanotechnology and advanced material, University of Technology-Iraq, 6-7 November 2013
- The first conference of graduated students according to the scholarship program for the ministry of Higher Education and Scientific Research, University of Baghdad-Iraq, 28 October 2013.
- The second scientific conference of advance techniques in petroleum refining technology, University of Technology-Iraq, 14-16 May 2013
- Lecturer in the course of homogeneous and non-homogeneous catalysts used in petroleum processes, Center for Continuing Education-University of Technology-Iraq, 21-25 April 2013.
- The course of project management, Computer Engineering Dept.-University of Technology-Iraq, 18-20 March 2013.
- Gas chromatography (GC) training at the thames Restek UK Limited, Saunderton-United Kingdom, 15 March 2011.
- Proactive gas safety Ltd training, Manchester University-United Kingdom, 9 December 2010.
- The course of improving the academic writing skills for PhD. student, Manchester University- United Kingdom, 17 February 2010.
- Basic and advanced training for using the IGA-001 system, Hiden Isochema Ltd-United Kingdom, 5-6 & 9-10 November 2009.
- 32nd Annual British zeolite association (BZA) meeting, University of Cumbria-United Kingdom, 23-28 August 2009.
- Basic and advanced training for using the MAS-NMR machine, Manchester University-United Kingdom, 13-17 April 2009.
- The course of Speed research degree, Manchester University-United Kingdom, 28-30 April 2008.
- English language courses-gateway programme, English language centre-Manchester University-United Kingdom, 15 October 2007 to 01 February 2008.
- The course of computing and computer software, University of Technology-Iraq, 31 Jun to 11 August 2005.
- The course of Teaching methods and university training and learning computer, Center for Continuing Education-University of Technology-Iraq, 20-27 February 2005.
- 25th qualifying session to teach computer. Faculty of Science-University of Mustansiriya-Iraq, 01-30 Jun 2001.
- The course of Manufacturing oils and greases, Al-Basil general company for chemistry and petroleum research - Ministry of Industry-Iraq, 01 September 1999 to 30 November 1999.