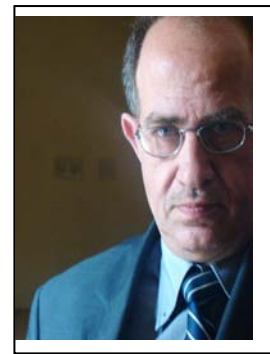


Curriculum Vitae



1-Personal Information

Name : Nahidh Wadea Kasser
Affiliation : dr_nahidh@yahoo.com
(Included Phone and Email)
Date of Birth : 23/12/1959
Place of Birth : Baghdad
Nationality : Iraqi
Marital Status : Married

2-Scientific Rank : Assistant professor

3-Research Interests

- **Supervised over 31 M. Sc., Ph. D. Students**
- **Between 1998-2003 science leader at following projects and research topics**
 - a. Production of special coating.
 - b. Designing and Manufacturing proto-scale device for analysis and detection based on Photo-Acoustic concept.
 - c. Manufacturing disinfection detergents from locally available materials.
 - d. Suggesting new technology to convert the batch-mode operating process the into continuous-mode process for preparation of nitrating mixture.
 - e. Production of Furfural alcohol using vapor phase hydrogenation of Furfural. The job was designated to include; carrying out the production at lab scale, scaling up, and designing the required units for the production on industrial scale.
 - f. Searching for a proper technology for purifying of spent acid from organic impurities.
 - g. Producing nitro cellulose using 68% nitric acid (patent).
 - h. Determining new standardization method for analysis based on electrical conductivity to justify the nitrogen content in nitro-cellulose products instead of the old followed technique (i.e., the Yugoslavian standard).

4-Education

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

Date	Discipline	Degree	Institution	Thesis Title
1981	Chemical eng.	B.Sc.	University of Baghdad	-
1989	Thermodynamic	M.Sc.	University of Baghdad	Prediction of isothermal equilibrium curves of ternary systems from pure and binary data
1997	Transport Phenomena	Ph. D.	University of Baghdad	Dynamic Behavior of non-isothermal multicomponent adsorption in adiabatic fixed bed

5-Postdoctoral Training (if available)

6-Management Posts (if available)

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

- **Head of Chemical Engineering Department/Al-Rasheed College for science and Engineering/University of Tech. 2003-2006**

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7-Grants and Fellowships (if available)

- **Sabbatical Leave at Auckland University/New Zealand 2011-2012**
- **Honorary Fellowships at Auckland University New Zealand 2007-2009**
- **Grant for Ph.D. Degree 1992**
- **Grant for M.Sc. Degree 1987**

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8-Academic Experience

1-Undergraduate Level

- Introduction to Chemical Eng. Calculations and thermodynamics, undergraduate, Chemical Eng. Faculty, Military College of Eng., from 1998 till 2002
- Fluid dynamic, B.Sc., Chem. Eng. Dept., University of Technology, 1999-2000.
- Thermodynamic, B.Sc., Chem. Eng. Dept., University of Technology, 2000-2001.
- Reactor Design, M. Sc., Chem. Eng. Dept., University of Technology/Baghdad, 2005-2007.
- Applied Mathematical Methods in Chemical Eng., undergraduate 2003-2007, Chem. Eng. Dept., University of Technology, from 2003-2010.
- Unit Design, undergraduate, 4th year student, Chem. Eng. Dept., University of Tikrit, 1998-1999.

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2-Postgraduate Level

- Multiphase flow, PhD, Chem. Eng. Dept., University of Baghdad from 1999 till 2001.
- Mass Transfer, Post graduate studies, Chemical Eng. Faculty, Military College of Eng., from 1998 till 2002
- Kinetic of reaction and Reactor Design, Post graduate studies, Chemical Eng. Faculty, Military College of Eng., from 1998 till 2002
- Thermodynamic, M.Sc., Chem. Eng. Dept., University of Technology, 2000-2001.
- Nonlinear analysis, PhD, Chem. Eng. Dept., University of Technology 2003-2004.
- Numerical methods, M. Sc., Chem. Eng. Dept., University of Technology, 2004-2005.
- Mathematical modeling, M.Sc. Students, Chem. Eng. Dept. University of Technology, 2010.

9-Employment History (if available)

(Including experience, institution, and data)

- **Engineer 1981-1987**
- **1987-1989 University of Baghdad/Chemical Eng. Dept.**
- **1992-1997 University of Baghdad/Chemical Eng. Dept.**
- **1997-2004 Military College of Engineering**
- **2004-2011 Chem. Eng. Dept., University of Technology**

10-License/Certification (if available)

- **Member of American Chemical Society (AMC)**
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11-Honors and Distinctions (if available)

- **Appreciation letters and many other recognition awards**
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12-Skills and Qualifications (Language and computer)

- Consulting with wide variety of companies in the area of research and development and conducting 15 funded contracts with different industrial companies for solving industrial problems.
- Supervised on 31 M. Sc., and Ph. D. theses.
- High experience in analysis using different apparatuses such as differential scanning coulometer (DSC), scanning electron microscope (SEM), gas chromatograph (GC), ultra violet (UV), TGA thermal gravimetric analysis and FT-IR.
- High experience and experts in working inside laboratories and industrial environment.

13-Publications/ Books

15 papers in conference proceedings, 12 journal articles (8 others currently written).

1- Supervision

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|---|-------------------------|-----|
| • Crystallization kinetics of ammonium perchlorate in an agitated vessel | Ahmad Khalid/MSc | MSc |
| • Drying of Baker's yeast in fluidized bed dryer | Hadeer Jaloub | MSc |
| • Absorption of NO ₂ into water and dilute nitric acid solutions in a fixed column | Moneeb Fadhil | MSc |
| • Locally prepared catalyst for reduction of NO _x by NH ₃ | Ibtehaj Ali | MSc |
| • Absorption of NO ₂ /N ₂ O ₄ into water and dilute nitric acid solutions | Mohammed Hamid | MSc |
| • Preparation of Sulfo-Nitro acid mixture in continuous stirred tank reactor | Hameed Ali | MSc |
| • Study the electroplating of copper to plastic. | Hadeer Noori | MSc |
| • Production of demineralized water from wastewater of PCB factory by ion exchanger | Mothafer Yaqoub | MSc |
| • Preparation and study the properties of high voltage electrical insulation materials | Hadi Adiaa | MSc |
| • Using iron slag in preparing acid resistant tiles | Abdul-Salam Tawfiq | MSc |
| • Preparation of tin metal using wet method | Hassan Hadi | MSc |
| • Preparation and study of some physical and mechanical properties of B ₄ C-YTZP ceramic composite | Hameed Rashid | MSc |
| • Purification of sulfuric acid using fixed bed extraction column | Talaat Abdul-Qadeer | MSc |
| • Preparation of nickel powder by electrochemical method | Moufaq | MSc |
| • Kinetic study of vapor phase hydrogenation of furfural | Nameer Modammed | MSc |
| • Vacuum drying of fluidized bed dryer | Mohammed Jaodat | PhD |
| • Preparation of acetyl-cholinesterase enzyme and study its activity. | Zaneeb Ali | MSc |
| • Vapor phase dehydration of ethanol | Areej Dalaf | MSc |
| • Study the characteristic performance of mixed bed ion exchange | Abdul-Raheem | MSc |
| • Production of demineralized water by ion exchange in distills water production plant. | Eman Mahdi Mousa | MSc |
| • Implementation of Pilot Unit for Site Purification of Locally Produced Alum in Water Treatment Station | Jameel Akash Al-Shimeri | MSc |

• Reaction Kinetics of Dehydrogenation of Ethanol	Ghasan Hadi	PhD
• Study the Adhesion of Ceramic to Metal	Fadhil Abd-Eliwi	MSc
• Study the characteristic performance of anaerobic filter	Taghreed Lytfi	MSc
• Production of Alum from locally available Kaoline	Hadeer Fouad	MSc
• Hydrodynamic Study in Partitioned Plate Column	Burhan Sadiq	PhD
• Dynamic Behavior in Adiabatic Fixed Bed Adsorber	Hakoub	MSc
• Anodizing of Aluminum-Magnesium Alloy 5052	Talib Mohammed Naif	MSc
• Studying the Breakdown and Pitting Formation of Aluminum Anodic Film	Basheer Ahmad Al-Housani	MSc
• Study the Pitting Corrosion of Carbon Steel	Ahmad Khalaf Mouhareb	MSc

2-Research

Under publication

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Accepted Manuscripts

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Published

- **N. W. Kasser**, Mohammed H., "Absorption of NO₂ and N₂O₄ into water and dilute nitric acid in a double stirrer absorber., Iraqi Journal of chem. & Petroleum Eng., Vol.1, No.1, 2000.
- **N. w. Kasser**, Ahmid Khalid, "Nucleation Kinetics of Ammonium Perchlorate", Iraqi Journal of chem. & Petroleum Eng., Vol. 2, No. 1, 2001.
- **N. W. Kasser**, Hamoudi H, and Abbas A., "Study the Characteristic Performance of Trickling Filter for Pharmaceutical Waste Treatment", Iraqi Journal of chem. & Petroleum Eng., Vol. 2, No. 3, 2001.
- **N. W. Kasser**, Hamza Y. Isa, and Hamed A. Hussin, "Regeneration of Sulfo-Nitro Acid Mixture in Continuous Mode Operation", Iraqi Journal of chem. & Petroleum Eng., Vol. 2, No. 4., 2001.
- **N. W. Kasser**, Ali Hussin, and Taleeb Naif, "The Determination of the Variables of High Response on the Anodizing of Aluminum-Magnesium Alloy 5052 (Statistical Analysis)", Iraqi Journal of chem. & Petroleum Eng., Vol.3, No.1, 2002.

- **N. W. Kasser**, Ali Hussin, and Taleeb Naif, "Anodizing of Aluminum-Magnesium Alloy 5052", Iraqi Journal of chem. & Petroleum Eng., Vol. 3, No. 4, 2002.
- Ibtahaj Ali, **N. W. Kasser** and Cecilia Y. "Catalytic Reduction of NO_x using Locally Prepared catalyst with NH₃", Iraqi Journal of chem. & Petroleum Eng., Vol. 4, No. 1, 2003.
- **N. W. Kasser**, Rafia' J. and Moneeb , "Absorption of NO₂ into Water and Nitric Acid Solutions in a Fixed Column" Iraqi Journal of chem. & Petroleum Eng., Vol.4, No. 2, 2003.
- **N.W. Kasser**, Elham Said, and Fadhil Adhiaa, "The Adherence of Porcelain Enamel to Low Carbon Steel", Iraqi Journal of chem. & Petroleum Eng., (Acceptance letter has been addressed).
- Sami Abo-Noon, N. W. Kasser, and Basheer Ahmed, "Breakdown and Pitting Formation of Anodic Aluminum Alloy (3003), Amodern Applied Science, Vol. 4, No. 5, May 2010.
- **N.W. Kasser**, Elham Said, and Fadhil Adhiaa, "Enameling of Low Carbon Steel for Acid Resistance Applications", Iraqi Journal of chem. & Petroleum Eng. (Acceptance Letter was issued)
- E. Haider , **N. W. Kasser**, and Malik M., "Characteristic Performance of Fluidized Bed Ion Exchange", Al-Naherin Uni. College of Eng. Journal, Vol. 12, Page 38, 2010.

3-Books

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14-Invited Lectures and Seminars* (if available)

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15-Conferences and Training (if available)

1. **N. W. Kasser**, N. M. Al-Mukhtar, and Abdul Salam T., "Preparation of Acid resistant materials From Iron Slag", **Jordan International Chem. Eng. Conference V**, 12th-15th Sept. 2005, Amman, Jordan.
2. M. S. Radhaa, **N. W. Kasser** and H. Mozan, "Fluidized Bed Drying for Biosynthesis Product", **Jordan International Chem. Eng. Conference V**, 12th -15th Sept. 2005, Amman, Jordan.

3. **N. W. Kasser**, M. Al-Mukhtar, and Hasan H., "Preparation of Tin Using Wet Method", **Jordan International Chem. Eng. Conference V**, 12th-15th Sept. 2005, Amman, Jordan.
4. **Kasser N.**, and Sualyman A. "Modeling of Dynamic Behavior of Non-isothermal Multi-component Adsorption in Adiabatic Fix Bed", **Jordan International Chem. Eng. Conference III**, 27th-29th Sept. 1999, Amman, Jordan.
5. B. Thomas, and **N. W. Kasser**, "Electroplating of Copper on Plastic", **Jordan International Chem. Eng. Conference IV**, 22nd-24th Sept. 2002, Amman Jordan.
6. **N. W. Kasser**, and Lyith E., "Engineering Solution for Purifying of Highly Silt Alum Content in Water Plant", **1st International Chem. Engineering Conference, University of Jordan**, 17th-19th Sept. 2001, Amman, Jordan.
7. **N. W. Kasser**, M. T. Abdul-Gane, and Haider Noori, "Electroplating of Copper to Epoxy Reinforced Fiberglass", **5th Scientific Conf. of College of Engineering, University of Baghdad**, 25th-27th Feb., 2003, Baghdad, Iraq.
8. **N. W. Kasser**, Matheel Al-Sabti, and Mudhafar Y. Hussin, "Production of Demineralized Water from PCB Factory Wastewater by Ion Exchange", **5th Scientific Conf. of College of Engineering, University of Baghdad**, 25th-27th Feb., 2003.
9. **N. W. Kasser**, Matheel Al-Sabti, and Mudhafar Y. Hussin, "Reclamation of water from PCB Factory Waste", 3rd conference for Development and Environment in Arab Countries, Assuit University, 26th-29th March, 2006, Iswan, Egypt.
10. **N. W. Kasser** and Mowafaq "Production of Nickel by Electrocrystallization Method", **5th international Engineering Conference**, University of Mansoura, 21-23, March 2006, Sharm El-sheikh, Egypt.
11. **N. W. Kasser**, Matheel Al-Sabti, and Mudhafar Y. Hussin, "Production of Deionized water from PCB factory wastewater" 2nd National Scientific Conf. in Environment Pollution and Means of protection, 19th-20th March 2003, Nuclear Energy Commission, Baghdad, Iraq.

Note: Conference never held because of the beginning of the Military campaign of the Coalition Forces on Iraq, but later on proceeding has been issued.

12. **N. W. Kasser**, and Tagreed Lytfi "Characteristic Performance of Anaerobic Filter against Dairy Wastewater", ECI, 2006, Tamar, Portugal.

Note: An invitation has been sent and acceptance for oral presentation was granted by the Conference My program has been cancelled because of not attending the conference. (Letter of invitation has been attached with my other documents)

13. **N. W. Kasser**, and Burhan S. "Hydrodynamic and RTD of Sectionalized Bubble Column", 12th Eng. Conference in Fluidization-New Horizons Eng., ECI, 2007. Vancouver, Canada.

14. **N. W. Kasser**, Rafa J., and Ahmed Khalid, "Kinetic Study of Crystalline Growth Rate", 3rd Scientific Engineering Conference of Military College of Engineering, 23rd-25th April, 2000.
15. **N. W. Kasser**, Sadiq J. B. and Mohammed H. S., "Absorption of NO₂/N₂O₄ in water and Nitric Acid", 3rd Scientific Engineering Conference of Military College of Engineering, 23rd-25th April, 2000.

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