

CURRICULUM VITAE

Name: Prof. Dr. Yahya H. Khraisha

Academic Rank: Professor

Present Address: Chemical Engineering Department,
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Nationality: Jordanian

Date of birth: 20/4/1956

Religion: Islam

Education:

Ph.D. Chemical Engineering, 1989, Imperial College of Science & Technolog, University of London, London, UK.

M.Sc. Chemical Engineering, 1985, Imperial College of Science & Technology, University of London, London, UK.

B.Sc. Petroleum Refinery Engineering, 1979 (Graduated with **Honors** and rate of appreciation '**Very good**'), Suez Canal University, Faculty of Petroleum and Mining Engineering, Suez, Egypt.

Experience:

Professor: University of Jordan, Amman, Jordan (November2002-present).

Associate Professor: University of Jordan, Amman, Jordan (August 1997-November2002).

Assistant Professor: University of Jordan, Amman, Jordan (March 1989-August 1997).

Chairman: Chemical Engineering Department, University of Jordan, Amman, Jordan (Sept.1999-Sept.2002).

Director: Arab Council of Training Student of Arab Universities (ACTSAU), (Sept. 2004 – Sept. 2005).

Professor: Al-Balqa Applied University, Amman, College for Engineering Technology (Sabbatical year 2003-2004).

Associate Professor: Al-Balqa Applied University, Amman, College for Engineering Technology (Sabbatical year 1998-1999).

Teaching & Research Assistant: Chemical Engineering Department, University of Jordan, Amman, Jordan (Oct.1981- Sept.1984).

Operation Engineer: Jordanian Company of Petroleum Refinery, Zarka, Jordan (Sept.1979-Sept. 1981).

Chairman: First International Chemical Engineering Conference, University of Jordan 2001.

Chairman: Second International Chemical Engineering Conference, University of Jordan 2010.

Member: Jordanian Engineers Association: 1979-present

Graduate-Study Advisor for Chemical Engineering Department: 2002-2010

Member in Graduate Committee of Chemical Engineering Department: 1997-present

Member: Faculty Library Committee: 2007/2008, 2005/2006.

Chairman: Faculty Library Committee: 2009/2010.

Courses Taught:

1. Fuel & Energy
2. Energy Management and Conservation
3. Process Heat Transfer
4. Chemical Engineering Thermodynamics I
5. Chemical Engineering Thermodynamics II
6. Operations of Solid Particulate
7. Petroleum Refining Engineering
8. Chemical Engineering Principles I
9. Chemical Engineering Principles II
10. Advanced Heat transfer (Graduate course)
11. Advanced Particulate Technology (Graduate course)
12. Energy Resources and Conversion (Graduate course)
13. Principles of Safety
14. Chemical Engineering Labs (Heat Transfer, Thermodynamics, Solid Particulates)

Supervision:

1. M.Sc. Theses
2. Graduation Projects I & II
3. Practical Projects

Publications:

1. Khraisha Y.H. and Dugwell, D.R., "Thermal Decomposition of Cauldon Limestone in A Thermogravimetric Analyzer", Chem. Eng. Res. Des., 67, 48-51(1989).
2. Khraisha Y.H. and Dugwell, D.R., "Thermal Decomposition of Limestone in a Suspension Reactor", Chem. Eng. Res. Des., 67, 52-57(1989).

3. Khraisha Y.H. and Dugwell, D.R., “ Effect of water vapor on Calcination of Limestone and Raw Meal in Suspension Reactor”, Chem. Eng. Res. Des., 69, part A, 76-78(1991).
4. Khraisha Y.H. and Dugwell, D.R., “Coal Combustion and Limestone Calcination in a Suspension Reactor”, Chem. Eng. Science, 47, 993-1006(1992).
5. Hamdan, M.A., Khraisha, Y.H. and Al-Dabbas, M., “Combustion of Shale Oil”, Proceedings of the 1st Jordanian Mechanical Eng. Con., Amman, Vol 1, 341-351 (1995).
6. Khraisha Y.H., “Heat Transfer between an Immersed Surface and a Fluidized Bed of Oil Shale and Tar Sand”, Int. J. Heat and Technology, 14, 65-69 (1996).
7. Khraisha, Y.H., “Kinetics of Chloroform Extraction of Tar Sand”, Int. J. Energy Research, 21, 201-207 (1997).
8. Khraisha, Y.H., “Study of oil Recovery from Jordan Oil Shale”, Proceedings of The 5th International Conference on Petroleum , Mining and Metallurgical, Suez Canal University, Suez, Egypt, vo1 1, 1-12 (1997).
9. Khraisha, Y.H., “Kinetics of Isothermal Pyrolysis of Jordan Oil Shales”, Energy Convers. Mgmt, 39, 157-165 (1998).
10. Khraisha, Y.H., Hamdan M.A., and Qalalweh, ‘Direct Combustion of Olive Cake Using Fluidized Bed Combustor’, Energy Sources, 21, 319-327(1999).
11. Khraisha, Y.H., ‘Study of Extraction and Pyrolysis of Jordan Tar Sand’, Int. J. Energy Research, 23,833-839(1999).
12. Khraisha, Y.H., ‘Retorting of Oil Shale Followed by Solvent Extraction of Spent Shale: Experiment and Kinetic Analysis’, Energy Sources, 22,347-355 (2000).
13. Khraisha, Y.H., ‘Flash Pyrolysis of Oil Shales in a Fluidized Bed Reactor’, Energy Convers. Mgmt, 41, 1729-1739 (2000).
14. Khraisha, Y.H., ‘ Intrinsic Kinetics of Isothermal Reaction between Oxygen and Carbonaceous Residue in Retorted Oil Shale’, AL-Azhar University Engineering Journal, (Special Issue) Proceedings of Al-Azhar Engineering Sixth International Conference, Cairo, Egypt, Vol 8, 253-264, September 1-4 (2000).

15. Khraisha, Y.H., Hamdan, M.A., and Quibia, J. M., 'Combustion of Spent Lube Oil After Mixing with Kerosene or Diesel', *Energy Sources*, 23, 757-765 (2001).
16. Khraisha, Y.H., and Shabib, I. M., 'Thermal Analysis of Shale oil using Themogravimetry and Differential Scanning Calorimetry', *Energy Convers. Mgmt*, 43, 229-239 (2002).
17. Khraisha, Y.H., 'Thermal Conductivity of Oil Shale Particles in a Packed Bed', *Energy Sources*, 24, 613-623(2002).
18. Khraisha, Y.H., Irgsoui N.A. and Shabib, I. M., 'Spectroscopic and Chromatographic Analysis of Oil from an Oil Shale Flash Pyrolysis Unit', *Energy Convers. Mgmt*, 44, 125-134(2003).
19. Badran, A.A., Khraisha, Y.H., Suhaymat, K.A. and Twal, J.M. 'Solar Extraction of Tar Sand Using Hot Kerosene', *Energy Sources*, 27, 559-569(2005).
20. Khraisha, Y.H. 'Batch Combustion of Oil Shale Particles in Fluidized Bed Reactor', *Fuel Processing Technology*, 86,691-706(2005).
21. Husam, M. S. and Khraisha, Y.H., 'Experimental Study on Oil Shale Combustion in a Bubbling Fluidized Bed', 7th Egyptian Syrian Conference on Petroleum and Chemical Engineering, CI-2 track, Suez Canal University, Suez, Egypt, October 29-31(2007).
22. Al Busoul, M., Khraisha, Y., and A-Alawin, A. "Direct combustion of Oil Shale in a Fluidized Bed Combustor (FBC)", Submitted for publication in the Second International Chemical Engineering Conference, Amman, Jordan (2010).

Current Research:

1. Combustion of oil Shale, olive and Date solid residue in Fluidized Bed Reactor.
2. Thermal decomposition (pyrolysis) of solid fuel.
3. Retorting of oil shale.
4. Heat and Energy applications.
5. Structure analysis of Heavy oils.
6. Tar sand Extraction.

Award of Prizes, Medals, etc...:

1. Towend Prize (1989) - Annual award for outstanding research in combustion science given from the University of London.

2. University reward for distinguished research work for the academic year 2000/2001. The distinguish research was “Study of Extraction and Pyrolysis of Jordan Tar Sand”.