

Name : Fawaz Kafouri Sweis
Place of Birth : Amman – Jordan
Date of Birth : 13/4/1948
Sex : Male
Marital Status : Married
Children : Three
Present Work : Professor Chemical Engineering Department
University of Jordan Amman
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Academic qualifications :

1. B.Sc. Chemical Engineering, 1973
University of Illinois,
Chicago, U.S.A.
2. M.Sc. Chemical Engineering, 1979
University of Manchester Institute of Science and Technology,
Manchester,
England.

Title of Thesis: Maximum Permissible Oxygen Concentration to
Prevent Ignition in a Dust Cloud.

3. Ph. D. Chemical Engineering, 1982
University of Manchester Institute of Science and Technology,
Manchester,
England

Title of Thesis: Dust Explosion Studies.

Experiences :

1. Associate Professor,
Chemical Engineering Department
University of Jordan
Amman – Jordan
Feb. 1990-Now
2. Visiting Associate Professor,
Chemical Engineering Department
Mu'tah University
Mu'tah – Jordan
Sept. 1993 – Sept. 1994
Sept. 1996 – Sept. 1997
Sept. 2002 – Sept. 2003
3. Assistant Professor,
Chemical Engineering Department
University of Jordan
Amman – Jordan
May. 1982 – Feb. 1990
4. Teaching / Research Assistant,
Chemical Engineering Department
University of Jordan
Amman – Jordan
Feb. 1976 - Sept. 1978
5. Engineer
National Planning Council
Amman – Jordan
Dec. 1974 - Feb. 1976

Managerial Experiences:-

1. Chairman,
Chemical Engineering Department
University of Jordan
Amman – Jordan
Sept. 1991 – Sept. 1993
Sept. 2007– Sept. 2010
Sept. 2012 – Sept. 2013
2. National Secretary/Director, The
International Association for the
Exchange of Students for Technical
Experience (IAESTE). Training Office.
Sept. 2000 – Sept. 2002
3. University Representative,
Arab Council for Training students of
Arab Universities (ACTSAU).
Sept. 2000 – Sept. 2002

Scientific Activities:-

1. Member of the International Editorial Board, Journal of Loss Prevention in the Process Industries, Butterworth - Heinemann, 1988 – 1997.
2. Offered several courses through the continuing education program on Safety and Loss Prevention in the process industries.
3. Offered several consultancies to insurance companies.
4. Organized two seminars on industrial safety.
5. Member of many committees related to emergency planning and industrial safety.
6. Supervised many final year projects.
7. Participated in a number of conferences and seminars.

Memberships: -

1. Associate Member, UMIST, Chemical Engineering Department, England.
2. Member, Association of Jordan Engineers, Amman, Jordan.

Publications:-

1. Sinclair,C.G. and Sweis F.K., The Influence of Oxygen Concentration on Dust Explosibility. 7th Symposium on Chemical Process Hazards with Special Reference to Plant Design, Inst Chem. Engrs. England, 1980, pp. 103-120.
2. Fawaz K. Sweis, The minimum Ignition Temperature of Dust Cloud. First Conference on Industrial Safety and Loss Prevention, Association of Jordan Engineers, Amman – Jordan, 1983.
3. Fawaz K. Sweis, Assessment of Dust Explosion Hazards in Jordan. DIRASAT, Vol. X11, No. 1., 1985, pp. 233-243.
4. F.K. Swies and C.G. Sinclair, The Effect of Particle Size on the Maximum Permissible Oxygen Concentration to Prevent Dust Explosions, Journal of Hazardous Materials, Elsevier, Vol. 10, 1985, pp. 59 – 71.

5. F.K. Sweis, The Effect of Mixtures of Particle Size on the Minimum Ignition Temperature of a Dust Cloud, Journal of Hazardous Materials, Elsevier, Vol. 14, 1987, pp. 241 – 246.
6. Fawaz. K. Sweis, Preventing Dust Explosion by using Inert Materials, DIRASAT, Vol. XIV, No. 9, 1987, pp. 245 – 257.
7. F.K. Sweis, Pressure Relief Venting of Combustible Dusts in Vessels, Journal of Engineering, Minia University, Vol.8.No. 1, 1989.
8. Fawaz K. Sweis, The Ignition of Dust Layers in Hot Environment, DIRASAT, Vol. 22B, No. 6, 1995, pp. 1381 – 1396.
9. Fawaz K. Sweis, The Effect of Admixed Material on the Ignition Temperature of Dust Layers in Hot Environments, Journal of Hazardous Materials, Elsevier, A(63), 1998, pp. 25-35.
- 10.Fawaz K. Sweis, Dust Explosions: Characteristics and Control: Information Technology Applied to Natural Resources Management.Proceedings of the Euro-med Workshop, Petra-Jordan, 1999, pp. 169-176.
- 11.Fawaz K. Sweis, Investigation of a Spontaneous Ignition, Mu'tah LilBuhuth Wad-Dirasat, Vol. 17, No. 1, 2002.
- 12.Fawaz K. Sweis, The effect of admixed material on the flaming and smouldering combustion of dust layers, Journal of Loss Prevention in the Process Industries, Elsevier, Vol.17, Issue 6, 2004, pp. 505-508.
- 13.The effect of admixed material on the minimum explosible concentration of oil shale, Fawaz K. Sweis, Journal of Loss Prevention in the Process Industries, Vol. 10, 2006.

14. Fires and related incidents in Jordan (1996-2004) Fawaz K. Sweis, Fire Safety Journal, Vol.41, 2006.
15. Assessment of the status and outlook of biomass energy in Jordan, Zayed Al-Hamamre, Ali Al-Matar, Fawaz Sweis, Khaled Rawajfeh, Energy Conversion and Management, Vol.77, 2014.
16. Thermodynamics of supercritical fluid extraction of some dyes and pharmaceutical compounds using the weighting matrix approach, Ali K. Al-Matar and Fawaz K. Sweis, Chemical Product and Process Modeling, Vol. 5, 2014.
17. Fawaz K. Sweis, Dust Explosions in the Food Industries, International Journal of Science and engineering Investigations, Vol. 9, Issue 96, January 2020. ISSN: 2251-8843
18. Fawaz K. Sweis, Assessment of Fire Incidents in Jordan (2008-2014), International Journal of Science and engineering Investigations, Vol. 9, Issue 102, July 2020. ISSN: 2251-8843.