

# **Curriculum Vitae**

## **Dr. Husni Mustafa Odeh**

### **Associate professor of Chemical Engineering**

**Education:** Dr. Husni Mustafa Odeh holds a B.Sc. M.Sc. and Ph.D. in Chemical Engineering from Budapest Technical University in 1988. He is "Pharmaceutical" chemical engineer. His Ph.D. thesis was in the field of absorption of gases and vapors by absorption towers at chemical Industries.

#### **Academic Experience:**

In 1988-1992, Dr. Odeh started as an assistant professor at Food Technology Department in Horticulture university of Budapest.

In 1992-1998 has a continued teaching activity at the same university as part timer.

1998-2012 Dr. Odeh joined the Chemical Engineering Department of An-Najah National University

1011 The head of chemical engineering department

2012 The head of chemical engineering and energy engineering and environment departments

#### **Non academic experiences**

He was the Chief of Research and Development Laboratories in Richter Gedeon of Chemical Works (pharmaceutical company in Hungary). (1988-1982)

He leaded "solvent –vapors absorption" project sponsored by Richter Gedeon Chemical Works in the laboratories of Budapest Technical University. (1988-1992)

Dr. Odeh was a consultant and process engineer in Chemitechnik Pharma engineering ltd. (1992-1998). Full timer

He is the manager of Engineering faculty laboratories and workshops 2000-2008

He was the supervisor of the new campus of university for one year 2008-2009

He was the chief of General safety committee in An-najah University

#### **Professional development activities:**

Husni ODEH has participated in the latest regional environmental workshops:

1. "The Impacts of chemical wastes in Arabic word, National Office of research and development, with Arab Scientific research councils, Tripoli, Libya, (April. 2004), (In Arabic) .

2. "Hazardous waste management workshop, Amman, Jordan, 28/11/-10/12/2004 sponsored by Switzerland".
3. He participated in advanced administration workshop at NNU 2006
4. Seawater desalination and the environment impact of brine and chemical discharges on the marine environment Amman, Jordan dec. (2008)

### **International Projects:**

**"Production of Biodiesel from used cooking oil in Palestine"**, Husni ODEH, sponsored by United State Agency for International Development, 2004-2005 by the coordination of Palestinian High Education ministry.

**Absorption of low concentration vapor**, Husni Odeh, (in Hungarian), 1988-1992, Budapest technical University, sponsored by Richter Gedeon of Chemical Works.

**Anticancer Natural ingredients**, Husni ODEH and Mohammed Al-Nouri, sponsored by the Union of Arab Universities, Amman, Jordan, Dec. 2007.

### **Service activities**

#### **At the field of health**

**1- Development of a natural formulations against cancer.** More than one hundred patient are used it. Positive results are observed on 40% of them. Most of Palestinian national media and some Arab media are written and spoken about these news.

**2- Development of natural formulation against skin and respiratory system diseases,** all of these diseases are linked to our polluted environment. **So eczema, acne, asthma, inflamed injuries, hair falling and allergy are healed in most of treated cases.**

### **Publications of Dr. Husni MUSTAFA Odeh**

In the field of environmental engineering and separation processes

*(International Chemical Engineering Journals)*

1. Békássyné-Molnár E.; **Mustafa H.**; Moniuk, W.; Pohorecki R.: Simulation of carbon dioxide absorption into sodium hydroxide solution in a Nutter-valve plate column. Hung.J. Ind. Chem. 18., 67-79 (1990).
2. Békássyné-Molnár E.; **Mustafa H.**: Clear liquid height on sieve plates in the froth, mixed and spray regimes. Trans. I. Chem. E. 69, Part A. 14-20 (1991).
3. Békássyné-Molnár E.; **Mustafa H.**: Influence of surface tension on pressure drop of sieve plates, Trans. I. Chem. E. 69, Part A., p.287-294 (1991).
4. **Mustafa H.**; Békássyné-Molnár E.: Influence of weeping on mass transfer rate of different plates, Trans I Chem E., 73, Part A, 392-397. (1995).
5. **Mustafa H.**; Békássyné-Molnár E.: Hydrodynamic characteristics of Nutter-valve plates, new correlations. Trans. I. Chem. E., 75, Part A, 620-624. (1997).

6. **Mustafa H.**; Békássyné-Molnár E.; and Elhamouz A.: Hydrodynamics and mass transfer of textile vibrating – valve trays. Trans. I. Chem. E., 77, Part A, 627-632. (1999).
7. **Mustafa H.**; Development of new type of gas absorber, Industrial, applications. Trans. I. Chem. E., 81, Part B, 1-7. (2003).

## **Patent**

- Békássyné-Molnár E.; Takács I.; Szabó B.; Korda B.; **Mustafa H.**; Borus A.; and Fábry Gy., 1998, Patent: P930221, regist. Number 214403, Budapest, Hungary. (in Hungarian)\

## **Latest Conferences**

1. **Mustafa H.**; .Abdelrahim Abusafa, Conversion of animal fats into beneficial products, Jordan International Chemical Engineering conference V, (JICEAC0), Amman-Jordan, (in CD, number JICEAC05 –BChE-1-20) , (2005). ( In English )
2. **Mustafa H.**: Biodiesel Production from Used frying Oil, Jordan International Chemical Engineering conference V, (JICEAC0), Amman-Jordan, (in CD, number JICEAC05 –BChE-1-19) , (2005).
3. *Husni Odeh, Mohammed Al-nuri* Extraction of anticancer natural ingredient, The second International Chemical Engineering Conference, Jordan ( in CD ), ( 2010),

## **International Relations:**

2006 Coordinator for creating educational relations between An-najah National university and Corvinus University of Budapest in the field of Engineering, Food sciences, Social Sciences and international relations.