



*King Faisal University  
Agric. Systems Eng. Dept.,  
Al-Hassa, Saudi Arabia*

## CURRICULUM VITAE OF PRINCIPAL INVESTIGATOR

**Dr. Nabil Saud Ali Albaloushi, (PhD)**

### Professional Profile

Accomplished food engineering professor with comprehensive blend of hands-on professional, academic, biological and agricultural engineering.

**Permanent address:**

Agricultural Systems Engineering Department, College of Agricultural and Food Sciences, King Faisal University, P.O. Box 420, Al-Hassa 31982, Saudi Arabia.

### E-mail

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### Education

- |              |   |
|--------------|---|
| <i>B.Sc.</i> | King Faisal university, College of Agricultural Science & Food, Al-Ahsa, 1992 |
| <i>M.Sc.</i> | University of Idaho, College of Engineering, Moscow, Idaho, 1998.             |
| <i>Ph.D.</i> | University of Idaho, College of Engineering, Moscow, Idaho, 2003.             |

### ACADEMIC/TEACHING EXPERIENCE

General supervisor of Agricultural and Veterinary Training and Research Station 2006 to present.

Chairman of Agricultural Systems Engineering Department 2015 to present.

Associate Professor of Agricultural Engineering, King Faisal university, College of Agricultural Science & Food, Al-Ahsa, 2015 to Present

Assistant Professor of Agricultural Engineering, King Faisal university, College of Agricultural Science & Food, Al-Ahsa, 2004 to 2015

- Teaching in Agricultural Engineering Department and College of Agricultural Science & Food classes to lower-level, upper-level, and graduate students in class sizes 8 to 105 students.
- Conduct workshops for adjunct instructors.

Teaching Assistant of Agricultural Engineering, King Faisal University, College of Agricultural Science & Food, Al-Ahsa, 1992 to 1994.

- Teaching of all Practical course work in Department of Agricultural Engineering.

## **Courses Taught**

### Graduate

- Advance of Heat and Mass Transfer

### Undergraduate

- Introduction to Computer
- Computer Application
- Computer Programming
- Principles of Food Engineering
- Food Processing Engineering
- Heat Transfer

### TEACHING INTERESTS

- Fluid Mechanics
- Thermodynamics
- Instrumentation

## **Highlights of Professional Experience**

Research Visiting, Workshops & Special Courses

- Large scale Food Industries and Storages, Washington 2001, 1999 & Idaho 2002.
- U.S. National Laboratory, Kansas 2003 & Washington 2000.
- Biosphere II, Arizona 1997.
- Critical Thinking, Idaho 2000.
- Digital Dynamic Simulation in Plant Bio-Engineering, Arizona 1997.

#### **Attending Conference**

- The Third Symposium on Date Palm, Al-Ahsa 1993.
- American (ASAE), Washington 1996.
- United State Department of Agriculture Conference, Washington 1999.
- The Fourth Symposium on Date Palm, Al-Ahsa 2007.

#### **Designing and Building**

- Designing and Building Drying Tunnel with Complete Control.
- Designing System That Control and Collect Data Can be Used for most Experiments (Simple mobile Data Acquisition).
- Operating Spray, Freeze Dryer (Large plane)
- Developing Lab Contain Tunnel, Spray and Freeze Dryer that Helps the Students to Gain Skills.

### **Research Interests**

- Research interests are directed primarily toward Simulation and artificial intelligent research in a variety of interrelated areas:
  - Determine Physical Properties of Materials.
  - Using Sound and Image for Quality Insurance.
- Other areas of interest include:
  - Environment Control system.
  - Food Industries Mechanical and Processing Problems

### **University Service**

- **Committee Member, Curriculum Committee, Agricultural Engineering Department 2005.**
- **Committee Member, Computer Committee, College of Agricultural Science & Food 2005.**
- **Chair, Exhibition Committee, The Third Symposium on Date Palm, Al-Ahsa 1993.**
- **Chair, Computer Committee, College of Agricultural Science & Food 2006.**
- **Chair, Exhibition Committee, The Third Symposium on Date Palm, Al-Ahsa 2007.**
- **Vice of general supervisor of research and training center Al-Ahsa 2007.**
- **General supervisor of research and training center Al-Ahsa 2008 to now .**

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