Curriculum Vitae

Surname; AlBasheri

Forenames; Khalld Ali

Date of birth; 5th March 1963

Email; K.Basheri@uot.edu.ly

EDUCATION;

Ph.D. **1991-1994**

Heriot-Watt University, Edinburgh, United Kingdom.

B.Sc. **1981-1984**

Higher Institute of Technology, Brack, Libya.

Medium of instruction is English. Final grade; 83.72%

CARRIER & PROFESSIONAL EXPERIENCE;

Associate Professor in Molecular Microbiology **2003-Present**

Faculty of Medical Technology (Tripoli University, Libya)

Assistance Professor in Molecular Microbiology **1999-2003**

Faculty of Medical Technology (Tripoli University, Libya)

Lecturer in General Microbiology **1996-1999**

Faculty of Medical Technology (Tripoli University, Libya)

Head of Scientific Affairs Department **1998-2001**

Faculty of Medical Technology (Tripoli University, Libya)

Head of Department **1997-2009**

Diagnostic Pathology Department, Faculty of Medical Technology (Tripoli University,

Libya)

Lecturer in Epidemiology **1998-1999**

Higher Institute of Medical Science, (A Zahra, Libya)

Lecturer in General Microbiology **1999-2000**

Higher Institute of Medical Technology, (Tripoli, Libya)

Research Assistance in General Microbiology **1985-1990**

Research Centre for Health and Drug Sciences, Tripoli, Libya

EXPERIENCE;

Microbial genetics, Bacterial biochemistry, anaerobic bacteriology, and enzymology.

SKILLS;

Recombinant DNA Technology, Gene cloning, DNA preparations and Transformation of Escherichia coli (using plasmid, phage, phagemid), construction and screening of gene libraries, radioactive and chemical hybridization, DNA sequencing and autoradiography and DNA analysis.

Purification and characterization of bacterial proteins. preparation of chromatographic gels (ion exchange, gel filtration, affinity), SDS-PAGE analysis of proteins, assays of enzymes and sugar uptake.

Analysis and characterization of the bacterial transport systems.

The database analysis of nucleic acids and proteins.

ACCOMPLISHMENTS;

• Identification of two novel enzymes in anaerobic bacterium Clostridium acetobutylicum. (Ref. no 5). **1995**

• Winning of award from the British Council to represent Heriot-Watt University in a collaborative project with Gottingen University in Germany. **June-Sep. 1993**

LANGUAGES;

Arabic, English

PUBLICATIONS;

- Regulation of sucrose metabolism by glucose in *Clostridium beijerinckii*. K.A. ALBASHERI. *L. J. Basic Sci*., 2022, **17**, 12-21.
- Mechanisms of carbohydrates transport in bacteria. K.A. ALBASHERI. *J. Basic Appl. Sci.,* 2003. **11**, 50-60.
- Partial purification and characterization of alpha-glucosidase enzymes from *Clostridium acetobutylicum* NCIB 8052. K.A. ALBASHERI. *J. Basic Appl. Sci.,* 2002. **10**, 51-66.
- Factors affecting utilization of carbohydrates by Clostridia. W.J. MITCHELL, K.A. ALBASHERI. *FEMS. Microbiol. Rev*., 1996. **17**, 317-329.
- Identification of two alpha-glucosidase activities in *Clostridium acetobutylicum* NCIB 8052. K.A. ALBASHERI AND W.J. MITCHELL *J. Appl. Bacteriol*., 1995. **78**, 149-156.

TO BE PUBLISHED;

- K.A. ALBASHERI. Characterization of maltose transport system in *Clostridium beijerinckii*