

## Hashem M. Al-Sheikh

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### EDUCATION

Ph.D., Microbiology (Mycology), Genetic engineering, the University  
of Nottingham, Nottingham, UK 2005

Thesis Title: Transcriptional regulation of the  
glucoamylase-encoding gene under endoplasmic  
reticulum stress in *Aspergillus niger*

M.Sc., Microbiology, Western Illinois University, 2000  
Macomb, Illinois, USA

Thesis Title: Physiological Characteristics of  
Polymer-Producing *Leuconostoc* Strains  
\*(see the abstract for more details)

B. Ed., Biology, King Saud University, Riyadh, 1995  
Saudi Arabia

### EXPERIENCE AND MEMBERSHIPS

1997-00 • Member of American Society for Microbiology

- 2000-05 • Member of British Mycological Society
- 2010-13 • Member of International Society for Mycotoxicology
- Usual participant in the activities of the Biological Science Department at Western Illinois University, USA and University of Nottingham, UK
- Frequently assisted as a laboratory instructor for Undergraduate students and science visitors at Western Illinois University, USA, and University of Nottingham, UK
- 1995-96 • Teaching Assistant at King Faisal University, Saudi Arabia
- 1994-95 • Laboratory Assistant at King Abdulaziz City for Science and Technology, Saudi Arabia

## ACCOMPLISHMENTS

- 1995 • Bachelor degree in Biology with a Second Class Honour (KSU)
- 1999 • Certificate of Academic Excellence from Western Illinois Univ.

## PRESENTATIONS

- 1999 • Scot Holt, **Al-Sheikh, H.** Characterization of Polymer-Producing *Leuconostoc* Strains, American Society for Microbiology, The 99<sup>th</sup> General Meeting, McCormick Place, Chicago, IL, USA
- 2003 • **Al-Sheikh, H.**, D. J. Jeenes, A. J. Watson, M. J. C. Alcocer, P. J. Punt, and D. B. Archer. Protein secretion stress in *Aspergillus niger*. *Fungal Genetics Newsletter*, Vol. 50, Suppl., Proc. XXII Fungal Genetics, Asilomar, USA. p. 82.

- 2004 **Al-Sheikh, H.**, and D. B. Archer. Endoplasmic reticulum stress leads to the selective transcriptional down-regulation of the glucoamylase gene in *Aspergillus niger*. EUROFUNG, The Genomic Era. WICC, Wageningen, The Netherlands, p. 28.
- 2004 **Al-Sheikh, H.**, A. J. Watson, G. A. Lacey, P. J. Punt, D. A. MacKenzie, D. J. Jeenes, T. Pakula, M. Penttilä, M. J. C. Alcocer and D. B. Archer. Endoplasmic reticulum stress leads to the selective transcriptional downregulation of the glucoamylase gene in *Aspergillus niger*. Proceedings of the the 7th European Conference on Fungal Genetics, Copenhagen, Denmark, p. 196.
- 2004 **Al-Sheikh, H.**, A. J. Watson, G. A. Lacey, P. J. Punt, D. A. MacKenzie, D. J. Jeenes, T. Pakula, M. Penttilä, M. J. C. Alcocer and D. B. Archer. Endoplasmic reticulum stress leads to the selective transcriptional down-regulation of the glucoamylase gene in *Aspergillus niger*. BMS meeting, Fungi in the Environment. University of Nottingham, UK, p. 79.
- 2003 Archer, D. B., M. J. C. Alcocer, **H. Al-Sheikh**, S. Barnes, and A. J. Watson. The secretion of heterologous proteins by fungi. Proceedings of the MSA/BMS Symposium, Asilomar, USA. P. 32
- 2003 LEE, HEATHER<sup>1</sup>, AL-SHEIKH, HASHEM<sup>1</sup>, LOUNDS, CHRIS<sup>1</sup>, MONTIEL, MARIA<sup>1</sup>, DICKINSON, MATT<sup>2</sup>, BRAKHAGE, AXEL<sup>3</sup>, and ARCHER, DAVID.
- 1 School Life and Environmental Sciences, Univ. Nottingham, Nottingham NG7 2RD, UK.  
2 School Biosciences, Univ. Nottingham, Sutton Bonington Campus LE12 5RD, UK.  
3 Inst. Microbiology, Univ. Hannover, D-30167 Hannover, Germany.
- DNA methylation in biotechnologically and medically important fungi. Newsletter of the Mycological Society of America. Supplement to Mycologia Vol. 54(3) P.31

2009 **Al-Sheikh, H.** Air-Borne Mycoflora in the Schools Environment in Hofuf, Al Hassa Province of Saudi Arabia. The 24th Meeting of Saudi Biological Society, Biotechnology: Reality and Application, Madinah Almunawwarah, at Taibah University, 7-9 April, 2009 (see certificate of participation)

2009 **Al-Sheikh, H.** Effect of Lactoferrin and Iron on the Growth of Human Pathogenic Candida Species. The 24th Meeting of Saudi Biological Society, Biotechnology: Reality and Application, Madinah Almunawwarah, at Taibah University, 7-9 April, 2009 (see certificate of participation)

### **Activities in the Community**

Newspaper interviews:

Alriyadh newspaper, 27-09-2007, economic section, issue number 14339

### **Training Courses and workshops**

Workshop on Self Evaluation Scales of the College of Science.  
King Faisal University, 1/3/2008  
Teaching strategies for college's students (Arabic language),  
23-24/02/2008

Introduction to Food and Airborne fungi (6-10 October 2008)  
held at the CBS Fungal Biodiversity Center, Utrecht The  
Netherlands. The course's program in brief focuses on using the  
identification keys for identifying most of the common food-  
and airborne fungi.

Detection techniques for mycotoxins and toxigenic fungi in the  
food chain (4-8 October 2010) held at the ISPA-CNR  
Laboratory, Via G. Amendola 122/O, 70126 Bari, Italy.

## PUBLICATIONS

Holt, S.M., **Al-Sheikh, H.**, Shin, K. J. (2001) Characterization of Dextran-Producing *Leuconostoc* Strains. *Letters In Applied Microbiology* 32, 185-189

**Al-Sheikh, H.**, A. J. Watson, G. A. Lacey, P. J. Punt, D. A. MacKenzie, D. J. Jeenes, T. Pakula, M. Penttilä, M. J. C. Alcocer and D. B. Archer. (2004) Endoplasmic reticulum stress leads to the selective transcriptional downregulation of the glucoamylase gene in *Aspergillus niger*. *Mol. Microbiol.* **53**, 1731-1742.

D. A. MacKenzie, **H. Al-Sheikh**, A. J. Watson, D. J. Jeenes, P. Wongwathanarat, N. Dunn-Coleman and D. B. Archer. (2005) UPR-independent dithiothreitol stress-induced genes in *Aspergillus niger*. *Mol. Gen. Genom.* 274, 410-418

**Al-Sheikh, H.** (2008) Air-Borne Mycoflora in the Schools Environment in Hofuf, Al Hassa Province of Saudi Arabia. *Saudi Journal of Biological Sciences.* 15 (2) 237-241 December 2008

**Al-Sheikh, H.** (2009) Effect of Lactoferrin and Iron on the Growth of Human Pathogenic *Candida* Species. *Pakistan Journal of Biological Sciences.* 12 (1), 91-94

**Al-Sheikh, H.** (2009) Date-Palm Fruit Spoilage and Seed-borne Fungi of Saudi Arabia. *Research Journal of Microbiology.* 4 (5): 208-213

**Al-Sheikh, H.** (2009) Epidemiology of Dermatophytes in the Eastern Province of Saudi Arabia . *Research Journal of Microbiology.* 4 (6): 229-234

**Al-Sheikh H.** and Adel A. Fathi. (2010) Ecological Studies on Al-Asfar Lake, Al-Hassa, Saudi Arabia, with Special References to the Sediment. . *Research Journal of Environmental Sciences.* 4 (1): 13-22

**Al-Sheikh, H.** and Hani M. A. Abdelzaher. (2010) Isolation of *Aspergillus sulphureus*, *Penicillium islandicum* and *Paecilomyces variotii* from agricultural soil and their biological activity against *Pythium spinosum*, the damping-off organism of soybean. *Journal of Biological Sciences.* 10 (3): 178-189

**Al-Sheikh, H.** and Hani M. A. Abdelzaher. (2010) Differentiation between two isolates of *Pythium ultimum* var. *ultimum* isolated from diseased plants in two different continents. *Journal of Biological Sciences.* Accepted

