

Curriculum Vitae

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Academic Experience:

B.S Biology : King Faisal University, Al-Hassa, Saudi Arabia. (1988-1994)
M.S Pathobiology : Kansas State University, Manhattan, KS, U.S.A. (1999-2001)
Ph.D Pathobiology : Kansas State University, Manhattan, KS, U.S.A. (2001-2005)

Major:

Molecular Virology

Current Position: Assistant Professor

Head of the of Department of Microbiology and Parasitology from 2008- 2011

Thesis Title:

"Molecular Biological and Functional Characterization of Bovine Herpesvirus Type 5 Glycoprotein I Gene"

Dissertation Title:

"The Role of Glycoproteins E and I in the Neuropathogenesis of Bovine Herepesvirus 5 (BHV-5) Infection: Role of Glycoprotein E Subdomains"

Publications:

Molecular epidemiological analysis of Newcastle Disease Virus isolated in Al-Hasa and Riyadh District of Saudi Arabia. **Anwar A. G. Al-Kabati** and **Abdullah I Al-Mubarak**. (Manuscript is in preparation)

Molecular characterization and Phylogenetic analysis of foot-and-mouth disease viruses isolated in Alhassa area of Saudi. **Anwar A. G. Al-Kabati** and **Abdullah I Al-Mubarak**. (Manuscript is in preparation)

Cocirculation of Five Infectious Bronchitis Virus Genotypes in Broiler Chickens in the Eastern Region of Saudi Arabia from 2012 to 2014. **Anwar A. G. Al-Kabati and Abdullah I Al-Mubarak.** (Manuscript is in preparation)

Abdullah I. A. Al-Mubarak. 2018. The Coronavirus (MERS-CoV) receptor, dipeptidyl peptidase 4, is differently expressed on normal and stimulated leukocytes of dromedary camels. *J Camel Pract Res.*

Abdullah I. A. Almubarak. 2018. Molecular characterization of avian influenza virus-H9N2 subtype from broiler chicken in the eastern region of Saudi Arabia 2012 to 2014. *Assiut Vet Med J.* 64:105-113

Khalafalla AI, EI-Sabaqh IM, Al-Busada KA, **Al-Mubarak AI**, Ali YH. 2015. Phylogenetic analysis of eight Sudanese camel contagious ecthyma viruses based on B2L gene sequence. *Virology.* 12;12:124.

Abdelmalik I. Khalafalla, Xiaoyan Lu, **Abdullah I.A. Al-Mubarak**, Abdul Hafeed S. Dalab, Khalid A.S. Al-Busadah, and Dean D. Erdman. 2015. MERS-CoV in Upper Respiratory Tract and Lungs of Dromedary Camels, Saudi Arabia, 2013–2014. *EID Journal.* 21(7):1153-8.

Ahmed Mohammed Aljabr, Muhammad Rizwan-UI-Haq, Abid Hussain, **Abdullah I Al-Mubarak**, Hassan Y Al-Ayied. 2014. Establishing midgut cell culture from *Rhynchophorus ferrugineus* (Olivier) and toxicity assessment against ten different insecticides. *In Vitro Cell.Dev.Biol.-Animal.* 50:296-303.

Al-Mubarak, A., J. Simon, C. Coats, J. D. Okemba, M. D. Burton, S. I. Chowdhury. 2007. Glycoprotein E (gE) specified by bovine herpesvirus type 5 (BHV-5) enables trans-neuronal virus spread and neurovirulence without being a structural component of enveloped Virions. *Virology.* **365**:398-409.

Chowdhury, S. I., S. Mahmood, J. Simon, **A. Al-Mubarak**, Y. Zhou. 2006. The Us9 gene of bovine herpesvirus 1 (BHV-1) effectively complements a Us9-null strain of BHV-5 for anterograde transport, neurovirulence, and neuroinvasiveness in a rabbit model. *Virology.* **80**:4396- 4405.

Al-Mubarak, A., Chowdhury SI (2004). In the absence of glycoprotein I (gI), gE alone determines bovine herpesvirus type 5 neuroinvasiveness and neurovirulence. *Journal of NeuroVirology.* **10**:233-243.

Al-Mubarak, A., Y. Zhou, and S. I. Chowdhury. 2004. A Glycine-rich BHV-5 gE-specific epitope within the ectodomain is important for BHV-5 neurovirulence. *Journal of Virology.* **78**:4806-4816.

Chowdhury, S. I., M. Onderci, P. S. Bhattacharjee, **A. Al-Mubarak**, M.L. Weiss, and Y. Zhou. 2002. Bovine herpesvirus 5 (BHV-5) Us9 is essential for BHV-5 neuropathogenesis. *Journal of Virology.* **76**:3839-3851.

Thesis Supervised

Ph.D: Broliar Respiratory Pathogens in the Eastern Region of Saudi Arabia: Genotyping, Vaccine Cross-Protectivity, and Host Transcriptome Response of Infectious Bronchitis Coronavirus. Defended, 2015.

Posters and Presentations:

A. Al-Mubarak, Janet Parrish, Mariana Puntel and Shafiqul I. Chowdhury; "Role of gE/gI in BHV-5 neuropathogenesis"; 2001.

S. Z. El-Zarkouny, M. L. Weiss, **A. Al-Mubarak** and S. I. Chowdhary; "Effects of truncation in the cytoplasmic tail of BHV-5 gE on gE processing, envelope incorporation and neurovirulence"; 2003.

Chowdhury, S.I., Mahmood, S., Simon, J., and **Al-Mubarak**, A. The complementary role of BHV-1 Us9 in BHV-5 Neuropathogenesis. 29th International herpesvirus workshop, Reno, Nevada, July 2004 (abstract 10.35).

Recent Seminars Presented in DMP Journal Club:

- "A Glycine-rich BHV-5 gE-specific epitope within the ectodomain is important for BHV-5 neurovirulence" (2003).
- "Simplex virus Type 1 evades the effects of antibody and complement in vivo "(2002).

Awards and Honors:

- Awarded full scholarship for graduate studies (M.S and Ph.D.) from the Ministry of Higher Education, Saudi Arabia.

Miscellaneous:

- Attended English Language Program (1996-1997), Colorado State University, Colorado.
- Attended graduate courses (1997-1998) at the Department of Microbiology (Guest student), Colorado State University, Colorado.

Date of Birth:

19th July 1970

