**CURRICULUM VITAE**

Alaeddin Abuzant, PhD Microbiology and Immunology

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*Assistant Professor of Microbiology and Immunology*

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**EDUCATION:**

**1990 -1995:** An-Najah National University Nablus, West-Bank, Palestine

B.Sc. in Medical Laboratory Sciences

Consistently ranked among the top 5% of students

**1995 -1999:** An-Najah National University Nablus, West-Bank, Palestine

Master’s Degree in Biology

**2000 -2006:** University of Louisville Louisville-KY, USA

PhD Degree in Microbiology and Immunology

**EMPLOYMENT AND RESEACH EXPERIENCE:**

* **1995-1999:** Medical Lab Technician at Rafidya Surgical Hospital, Nablus, West-Bank, Palestine.
* **1995 -1999:** MSc Student

Master’s Thesis:Nosocomial Infection and Antibiotic Resistance of Methicillin–Resistant *Staphylococcus aureus* (MRSA) in Palestine*.*

*The research included collection of clinical isolates of S. aureus, screening for MRSA and MRSA typing based on antibiotic resistance and arbitrary-primed PCR*.

* **1999 -2000:** Centers for Disease Control and Prevention, Atlanta, GA USA

US Government Fellowship Award Recipient

Research: Antibiotic resistance in *Staphylococcus aureus* clinical isolates collected during 1940s (Under the supervision of Prof Fred C Tenover)

* **2000 -2006:** PhD student

PhD Thesis: Modulation of Host cell Apoptosis by *Legionella pneumophila*.

The research included studying caspase-3 activation and expression of apoptosis related genes in infected macrophages and the role of NFĸB in this process. Implemented experiments included, molecular genetics, confocal and electronic microscopy, and intracellular bacterial growth kinetics of *L. pneumophila*

* **2006 -Now:** Assistant professor of Microbiology and Immunology at An-Najah National University-College of Medicine and Health Sciences, Nablus, West-Bank, Palestine.

**BUPLICATIONS:**

* **Molmeret M, Zink SD, Han L, Abu-Zant A, Asari R, Bitar DM, Abu Kwaik Y.** Activation of caspase-3 by the Dot/Icm virulence system is essential for arrested biogenesis of the *Legionella*-containing phagosome. Cell Microbiol. 2004; 6 (1): 33-48.
* **Alaeddin Abu-Zant, Marina Santic, Jürgen Helbig, and Yousef Abu Kwaik**.Incomplete activation of macrophage apoptosis during intracellular replication of *Legionella pneumophila*. Infect Immun. 2005; 73 (9):5339-49.
* **Adwan K,** [**Abu-Hasan N**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Abu%2DHasan+N%22%5BAuthor%5D)**,** [**Adwan G**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Adwan+G%22%5BAuthor%5D)**,** [**Jarrar N**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Jarrar+N%22%5BAuthor%5D)**,** [**Abu-Shanab B**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Abu%2DShanab+B%22%5BAuthor%5D)**,** [**Abu-Zant A**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Abu%2DZant+A%22%5BAuthor%5D). Nosocomial infection caused by Methicillin-resistant *Staphylococcus aureus* in Palestine. Microb Drug Resist. 2005; 11 (1):75-7.
* **Alaeddin Abu-Zant and Yousef Abu Kwaik**.RpoS but not the stringent response is involved in intracellular Replication of *L. pneumophila* within human macrophages and amoebae. Infect. Immun. 2006; 74 (5): 3021-3026.
* **Abu-Zant A, Jones S, Asare R, Suttles J, Price C, Graham J, Kwaik.** YA. Anti-apoptotic signaling by the Dot/Icm secretion system of *L. pneumophila*. Cell Microbiol. 2006; 9 (1):246-64.
* **Adham S Abu Taha,Qausi N Al-Shahed, Waleed M Sweileh, Ansam F Swalha, Abed Al-Naser Zaid and Alaeddin O Abuzant**. Vulnerability of cough syrups in marketed in Palestine to microbial challenge test. J Chem Pharm Res. 2010; 2 (5): 115-121
* [**Isabella Sjölander**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Frank Hansen**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)[**,**](http://www.sciencedirect.com/science/article/pii/S2213716513001008#aff0015)**,** [**Abdelraouf Elmanama**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Rasha Khayyat**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Alaeddin Abu-Zant**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Ayman Hussein**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Adham Abu Taha**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Anette M. Hammerum**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**,** [**Oana Ciofu**](http://www.sciencedirect.com/science/article/pii/S2213716513001008)**.** Detection of NDM-2-producing *Acinetobacter baumannii* and VIM-producing *Pseudomonas aeruginosa* in Palestine. [Journal of Global Antimicrobial Resistance](http://www.sciencedirect.com/science/journal/22137165). 2014; 2 (2):93–97.
* [**Sweileh WM**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sweileh%20WM%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**Al-Jabi SW**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Al-Jabi%20SW%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**Abuzanat A**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abuzanat%20A%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**Sawalha AF**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sawalha%20AF%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**AbuTaha AS**](http://www.ncbi.nlm.nih.gov/pubmed/?term=AbuTaha%20AS%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**Ghanim MA**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ghanim%20MA%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**,**[**Zyoud SH**](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zyoud%20SH%5BAuthor%5D&cauthor=true&cauthor_uid=25685346)**.** Assessment of research productivity of Arab countries in the field of infectious diseases using Web of Science database. [Infect Discovery Poverty.](http://www.ncbi.nlm.nih.gov/pubmed/25685346) 2015 Feb 2; 4(1):2.2015.
* **Nidal Amin Jaradat, Abdel Naser Zaid, Aladdin Abuzant, Ramzi Shawahna.** Investigation the efficiency of various methods of volatile oil extraction from Trichodesma africanum and their impact on the anti-oxidant and anti-microbial activities. The Journal of Intercultural Ethnopharmacology.  [2016; 5(3)](http://www.scopemed.org/?jid=55&iid=2016-5-3.000): 250-256.

**INTERNATIONAL MEETINGS:**

* **May 2000:** American Society for Microbiology-General Meeting

Los Angeles, CA USA

* **May 2004**: American Society for Microbiology-General Meeting

New Orleans, LA USA

* **Oct. 2005**: 6th International Conference on Legionella

Chicago, IL USA

**POSTERS:**

* **Alaeddin Abu-Zant, Maëlle Molmeret, and Yousef Abu Kwaik**:Temporal modulation of macrophage pro and anti-apoptotic signaling by the Dot/Icm secretion system of *Legionella pneumophila.*

**LANGUAGES:**

* Fluent in both Arabic and English