

**Ghassan Matar, Ph.D.**

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**PROFESSIONAL EXPERIENCES**

- Current **Professor and Vice Chairperson**, Department of Experimental Pathology, Immunology, and Microbiology, Faculty of Medicine, & Laboratory Director of the Center for Infectious Diseases Research (CIDR) at the Faculty of Medicine, American University of Beirut, Beirut, Lebanon.
- 1991-1993 **Visiting Scientist**, Molecular Microbiology, Centers for disease control and prevention (CDC)
- 1990-1991 **Post -Doctoral Fellow**, Molecular Microbiology, Centers for disease control and prevention (CDC) / Emory University
- 1987-1990 **Assistant Dean**, the Faculty of Health Sciences, American University of Beirut, Beirut, Lebanon AUB.

**ACADEMIC DEGREES**

- 1986 **PhD**, Basic Medical Sciences Microbiology, American University of Beirut
- 1981 **MSc**, Basic Medical Sciences Microbiology, American University of Beirut
- 1979 **BSc**, Microbiology, American University of Beirut

**RESEARCH INTERESTS**

- Molecular mechanisms of resistance to antimicrobial agents in pathogenic bacteria with attempts to inhibit resistance.
- Potential Treatment of E. coli O157:H7 and E. coli O104:H4 infections.
- Genetic basis of biofilm production in P. aeruginosa isolated from patients with nosocomial infections and potential inhibition of biofilm formation by antimicrobial agents.
- Expression levels of virulence factors produced by pathogenic bacterial agents in relation to disease production.
- Molecular epidemiology of foodborne diseases and nosocomial infections.