

Contact Information

Environmental and Occupational Health
College of Public Health
13201 Bruce B Downs
MDC 56
Tampa, FL 33612
Tel: 813-974-2079

Email: aazizan@hsc.usf.edu

Education

BSc in Biophysics 1984
Iowa State University, Ames, Iowa.

MSc in Microbiology 1987
East Tennessee State University, Johnson City, Tennessee.
Thesis: Mutagenicity and antimutagenicity testing of six chemicals associated with specific spices as revealed by the Ames *Salmonella* mutagenicity assay.
Major Professor: Dr. Raymond Dean Blevins

PhD in Biochemistry 1995
University of Tennessee, Memphis, Tennessee.
Dissertation: Molecular genetic analysis of the mechanism of long-chain fatty acid transport in *Escherichia coli*
Major Professor: Dr. Paul N. Black

Relevant Professional work experience

Lecturer 1/88-7/89
Department of Medical Microbiology, Universiti Malaya, Kuala Lumpur, Malaysia.

Bioscientist III 2/98-6/01
Shriners Hospital for Children, Tampa Florida.

Shriners Research Fellow 6/01-present
Shriners Hospital for Children, Tampa, Florida.

Assistant Professor 4/02 – present
Department of Biochemistry and Molecular Biology
College of Medicine, University of South Florida, Tampa, Florida.

Visiting Assistant Professor 8/02 – present
Department of Environmental and Occupational Health
College of Public Health, University of South Florida, Tampa, Florida

Duties at the USF College of Public Health

- Academic Advising
- Committee member for MSPH and PhD students
- Research Advising
- Teaching
 - Course Director for
 - Microbiology for Healthcare Workers
 - Exotic and Emerging Infectious Diseases
 - Public Health Seminar

Grants and Fellowships

- New Researcher Grant from the University of Florida Tampa, Division of Sponsored Research (Internal award). \$10,000. May 1, 2003 to April 30, 2004 (renewable for 1 year).
- Arthritis Foundation student fellowship award (supervise): for summer of 2003, from May 1, to July 31, 2003. \$3600.
- Shriners Fellowship. July 1, 2001 to June 30, 2003. \$50,000 per year.

Professional laboratory expertise

- Molecular Biology; RNA and DNA isolation and characterization, northern and southern analyses, DNA sequencing, plasmid cloning, quantitative and qualitative RT-PCR, *in-vitro* transcription/translation, CAT and luciferase assays and prokaryotic genetic techniques.
- Tissue culture. Transient and stable transfection of cell lines and primary cells. Chondrocyte primary cell isolation and characterization.
- Protein analysis. Western blotting, immunoprecipitation, metabolic labeling, pulse-chase analysis, transformation assay (soft-agar and foci formation assays), immunofluorescence assay, and protein purification from tissue extracts and tissue culture.
- Microbiology. Identification, propagation and characterization of bacterial, virological and mycological cultures.