

Curriculum Vitae

A. Personal Information :

Name: Kamel
Family Name: Adwan
Date and place of Birth: 28.5.1962, Faroun
Nationality: Palestinian
Present position: Associate professor of Microbiology
Marital Status: Married-3 children
Address: Department of Biological sciences, An-Najah N. University, Nablus, West Bank.
Tel: (972)(9)2670651
Electronic - mail address: adwank@yahoo.com

B. Education:

- 1) Ph.D. Microbiology, Middle East Technical University, Ankara, 1992
- 2) M.Sc. Microbiology, Yarmouk University, Irbid-Jordan, 1988
- 3) B.Sc. Medical Technology, Yarmouk University, Irbid-Jordan, 1985

C. Languages: Arabic, English and Turkish

D. Employment Record:

2008- Associate professor, Department of Biological Sciences, An-Najah N. University

1996-2000: Head, Department of Biological Sciences, An-Najah N. University

1994-1996: Assistant professor, Department of Biological Sciences, An-Najah N. University.

1985-1988: Teaching assistant at Yarmouk University for the following courses: General Biological labs, General Microbiology labs and Industrial Microbiology.

1986: Instructor at the Arab Community College (Junior University Coolege) for the following courses: Microbiology, Parasitology, Anatomy and Hematology.

E. Experiences / Training:

- 1) Teaching General biology, Microbiology and Molecular Biology to graduate/undergraduate students, Department of Biological Sciences, An-Najah N. University, 1994 to present:

- 2) Supervision of at least 12 M.Sc. students in the field of microbiology and molecular biology. The subjects are dealing with the the resistance mechanism(s) for Aminoglycoside, B-lactam and Quinolone Antibiotics; Molecular typing of Methicillin-Resistant *Staphylococcus aureus*; Shiga toxigenic *Escherichia coli*; and screening antibacterial activity of plants of different parts of Palestine and their mechanism of action;
- 3) Post - doctoral in a research project concerning " changes in membrane protein profiles of β -lactam antibiotic resistant strains of *P.aeruginosa*". Biotechnology Research Unit of the Dep. of Biological Sciences since 1.1.1993 till 6.6.1994.
- 4) Part time Microbiologist at Duzen laboratories since 1.9.92 till 1.6.1994
- 5) Advanced training course in Cell and Molecular Biology of gametes, fertilization and early embryonic development " Window to the Zygote 2000" organized under the auspices of ICRO/UNESCO, Charles University in Prague, Czech republic. August 20-31, 2000.

F. Publications:

- 1) Adwan K., Kocabiyik S. and Alaeddinoglu G. Effect of drug usage on aminoglycoside susceptibilities of *P. aeruginosa* isolates. *International Journal of Experimental and Clinical Chemotherapy*. 1990; **3**: 179-183
- 2) Adwan K., Kocabiyik S. and Alaeddinoglu G Evaluation of plasmid DNA and protein profiles as epidemiological tools in *P. aeruginosa*. *International Journal of Experimental and Clinical Chemotherapy* 1992; **5**: 37-40.
- 3) Adwan K., Kocabiyik S. and Alaeddinoglu G. Evaluation of multi-drug resistance in *P.aeruginosa* isolates. *International Journal of Experimental and Clinical Chemotherapy* 1993;. **6**: 000-000.
- 4) Adwan K. and Abu-Hasan N. Gentamicin resistance in clinical strains of *Enterobacteriaceae* associated with reduced gentamicin uptake. *Folia Microbiol* 1998; **43(2)**: 438-440.
- 5) Adwan K., Abu-Hasan N. and Al-Asmar H. Analysis of neomycin, kanamycin, tobramycin, and amikacin resistance mechanisms in gentamicin-resistant isolates of *Enterobacteriaceae*. *J. Medical Microbiology* 1998; **47**: 1091-1021.
- 6) Adwan K. The use of SDS polyacrylamide gel electrophoresis of periplasmic protein to subtype *P.aeruginosa* pyocin type 10/b clinical isolates. *Infection* 1999; **27**: 39-41.
- 7) Adwan K., Abu-Hasan N., Hamdan A. and Al-Khalili S. High incidence of penicillin resistance amongst clinical isolates of *S. pneumoniae* in northern Palestine. *J. Med. Microbiol* 1999; **48**: 1-4

- 8) Adwan K., Abu-Hasan N. and Abu-Zant A. Typing of methicillin-resistant *Staphylococcus aureus* by quantitative antibiogram and arbitrarily primed PCR. *Assiut Med. J.* 2001; **25**: 65-72.
- 9) Abu-Hasan N., Daragmeh M., Adwan K., Al-Qaoud K. and Abdel-Hafez SK. Human cystic echinococcosis in the West Bank of Palestine: surgical incidence and seroepidemiological study. *Parasitol Res.* 2002; **88**:107-112.
- 10) Adwan K., Abu-Hasan N., Essawi T. and Bdir M. Isolation and characterization of Shiga toxigenic *Escherichia coli* strains from northern Palestine. *J. Medical Microbiology.* 2002; **51**: 1-4.
- 11) Adwan K., Analysis of methicillin-resistant *Staphylococcus aureus* strains isolated in Palestine by arbitrarily primed PCR. *Arab Gulf Journal of Scientific Research.* 2003; **21**: 1-4
- 12) Essawi T., Adwan K., Abu-Hassan N., Adwan G., Saleh A. Typing of Methicillin-Resistant *Staphylococcus aureus* by Ribosome Spacer and Arbitrarily Primed Polymerase Chain Reaction. *Tur J Med Sci.* 2004; **43**:5-9
- 13) Adwan K., Abu-Hasan N., Adwan G., Jarrar N., Abu-Shanab B. and Al-Masri M. Molecular Epidemiology of Antibiotic-Resistant *Escherichia coli* Isolated from Hospitalized Patients with Urinary Tract Infections in Northern Palestine. *Polish Journal of Microbiology.* 2004; **53**:23-26.
- 14) Adwan G., Abu-Hasan N., Adwan K., Jarrar N. and Bdir M. Antibiotimicrobial resistance of Shiga toxin-producing *Escherichia coli* O157 isolates from northern Palestine. *Emirates Medical Journal.* 2004; **22**:249-250.
- 15) Abu-Shanab B., Adwan G., Abu-Safiya D., Jarrar N. Adwan K. Antibacterial activities of some plant extracts utilized in Palestine in popular medicine. *Tur J Bio.*2004; **28**:99-102
- 16) Adwan K., Abu-Hasan N., Adwan G., Jarrar N., Abu-Shanab B. Abu-Zant A. Nosocomial infection caused by methicillin-resistant *Staphylococcus aureus* in Palestine. *Journal of Microbial Drug Resistance.* 2005; **11**: 75-77
- 17) Adwan, and Adwan G. Isolation of Shiga toxigenic *Escherichia coli* from raw beef in Palestine. *International journal of Food Microbiology.* 2004; **97**: 81-84.
- 18) Adwan, K. Abu-Hasan N., Adwan G., and Abu-Khater K. HBV vaccination of household contacts of HBV carriers in Northern Palestine. *Eastern Mediterranean Health Journal.*

G. Congresses:

1. ADWAN K, KOCABIYIK S, ALAEDDINOGLU N. 1993. Evaluation of multi-drug resistance in *P.aeruginosa* isolates. Turkish Microbiology Congress. (XXV).
2. ADWAN K, Cifci. 1994. B-lactam and aminoglycsides antibiotics resitance among the clinical isolates of Enterbacteriaceae. Turkish Microbiology Congress. (XXVI).
3. Two poster presentations, Second Scientific Day, Al Quds University, 1998

H. Research interest:

The resistance mechanism(s) for Aminoglycoside, *B*-lactam and Quinolone Antibiotics; Molecular typing of Methicillin-Resistant *Staphylococcus aureus*; Shiga toxigenic *Escherichia coli*; and screening antibacterial activity of plants of different parts of Palestine and their mechanism of action;

I. Awards:

Third Word Academy of Science (TWAS) research grant, 1998.
Islamic Educational, Scientific and Cultural Organization (ISESCO) research grant, 1999