

## CURRICULUM VITAE

**Name:** Ali S. Barakat  
**Date of Birth:** Dec.18,1952  
**Place of Birth:** Qalqilia  
**Marital Status:** Married  
**Present Address:** Statistics Department  
An-Najah National University, P.O. Box 7  
Nablus - West Bank  
Palestine  
**Tel. Office** 972-9-2345113  
**Home:** 972-9-2941381  
**Mobile:** 0599-674208  
**Fax:** 972-9-2345982  
**E-mail:** barakat@najah.edu

### EDUCATION:

- Ph.D.** Biostatistics (Nonparametric Statistics) Dept. of Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, U.S.A (1989).  
**Honors:** *Passed doctoral written exams with honor.*
- M.Sc.** Applied Statistics, Dept. of Statistics, University of North Carolina at Chapel Hill, Chapel Hill NC 27514, U.S.A (1982).  
**Honors:** *Passed the master comprehensive exams with distinction*
- B.Sc.** Mathematical Statistics, Dept. of Statistics, Faculty of Science, Ain-Shams University, Cairo, Egypt (1976).  
**Honors:** *Outstanding average each year.*

## **GRANTS AND SCHOLARSHIPS:**

1. FULBRIGHT Scholarship, University of North Carolina, Chapel Hill, N.C. (2/1997 - 8/1997).
2. AMIDEAST Scholarship, University of North Carolina, Chapel Hill, N.C. (1984-1989, 1981-1982).
3. UNRWA Scholarship, Ain-Shams University, Cairo, Egypt, (1971-1976).

## **ADMINISTRATIVE:**

1. Dean, Faculty of Science (8/2007 – 8/2008)
2. Asst. Vice President for Academic Affairs (8/2004 – 7/2006)
3. Chairman, Department of Statistics (9/2001 – 7/2006)
4. Dean, Faculty of Graduate Studies (8/2001 – 10/2002)
5. Dean, Faculty of Science (9/1998-8/2001).
6. Acting Dean, Faculty of Science (1/1997- 2/1997).
7. Chairman, Department of Mathematics (1994-1996).
8. Member of Several Committees: department, college, university and national levels.

## **CURRENT RESEARCH INTERESTS:**

1. Non-parametric statistics.
2. Sampling
3. Demography
4. Biostatistics.

## **RESEARCH EXPERIENCE:**

1. Sabbatical leave, Dept. of Mathematics, Birzeit Univ. Palestine (2006/2007).
1. Visiting Assistant Professor, Dept. of Biostatistics, UNC at Chapel Hill, (2/1997 - 8/1998).
2. Visiting Scholar, Dept. of Biostatistics, CSCC, UNC at Chapel Hill, Chapel Hill, NC 27514, U.S.A. (1989 - 1990).  
*Consulting and performing data analysis.*  
*Extensive statistical computing.*

3. Research assistance, Dept. of Psychiatry and Dept. of Biostatistics, UNC at Chapel Hill. (1987 -1989).  
*Consulting with physicians and performing data analysis using various clinical trial designs and dose-response models in psychiatry.*
4. Research assistant, Dept. of Maternal and Child Health and Dept. of Biostatistics, UNC at Chapel Hill. (1988).  
*Performing statistical analysis for work during pregnancy project. Critique of a paper submitted for journal publication.*
5. Research assistance, Program on Aging, school of public health, UNC at Chapel Hill. (1986).  
*Member of group involved in writing proposal in small area estimation (survey sampling) and giving statistical advise. Critique of a paper submitted for journal publication.*
6. Research assistant, Dept. of Biostatistics, CSCC, UNC at Chapel Hill. (1985 - 1986).  
*Performing statistical analysis and writing results for different projects.*
7. Computer programmer, Dept. of Biostatistics, CSCC, UNC at Chapel Hill. (1984 -1985).  
*Reviewing and executing statistical analysis requests written by biostatisticians, epidemiologists, and nutritionists. Extensive statistical computing, as well as file creation, documentation, and verification of procedures.*
8. Member of Data Analysis Group, Dept. of Biostatistics, UNC at Chapel Hill (1982).  
*Participated in all stages of design, sampling, data collection, and analysis of large scale telephone sample survey done for North Carolina Memorial Hospital at Chapel Hill.*

### **TEACHING EXPERIENCE:**

<b>2002-present</b>	Associate Professor
<b>1990-2002</b>	Assistant Professor
<b>1983-1984</b>	Lecturer

- 1978-1981**            Lecturer  
 Dept. of Mathematics, An-Najah National University,  
 Nablus - West Bank, Palestine.  
*Courses taught: Probability and  
 Statistics.*
- 1989-1990**            Adjunct assistant professor
- 1987-1989**            Lecturer, School of Business, North Carolina Central  
 University, Durham, NC 27707, U.S.A.  
*Courses taught: Statistics*
- 1985-1987**            Course assistant and grader, Dept. of Biostatistics, UNC at  
 Chapel Hill.  
*Graded papers and held tutoring sessions for a graduate  
 level course in stochastic processes. Graded papers and  
 teaching for graduate level course in survey sampling.*
- 1976-1978**            Mathematics Instructor  
 Public high schools in Jordan  
*Courses taught: Calculus, Statistics and Probability*

**AFFILIATIONS:** Member of the American Statistical Associations.

**REFEREMCES:** Letters of references will be obtained upon request.

**SCIENTIFIC SERVICES:**

Master thesis examination committee member for more  
 than twenty students.

**PUBLICATIONS:**

1. Barakat, A.S. "A Nonparametric Multivariate Test for Homogeneity Based on All Nearest Neighbors". Institute of Statistics Mimeo Series No. 1966 T. (1989). ASA Proceeding of the social statistics section, (1990), 222-225.
2. Caldwell, J.D., Brooks, P.J., Barakat, A.S., Jirikowsk, G.F., Lund, P.K., and Pedersen, C.A., "Estrogen Alters Oxytocin Gene Expression in the Preoptic Area". Journal of Neuroendocrinology, 1, NO. 4, 273-278, (1989).

3. Caldwell, J.D., Barakat, A.S., Smith, D.D., Hurby, V.J., and Pedersen, C.A. "A Uterotonic Antagonist Blocks the Oxytocin Induced Facilitation of Female Sexual Receptivity". *Brain Research*, **512**, 291 - 296, (1990).
4. Peoples Sheps, M.D., Siegel E., Suchindran, C.M., Origasa, H., Ware, A., and Barakat, A. "Characteristics of Maternal Employment During Pregnancy: Effects on Low Birthweight". *American Journal of Public Health*, **81**, (8), 1007-1012, (1991).
5. Peterson, G., Mason, G.A., Barakat, A.S., and Pedersen, C.A. "Oxytocin Selectively Increases Holding and Licking of Neonates in Preweanling but Not Postweanling Juvenile Rats". *Behavioral Neuroscience* **105**, (3), 470-477, (1991).
6. Caldwell JD, Walker CH, Pedersenn CA, Barakat AS, Mason GA. "Estrogen increases affinity of oxytocin receptors in the medial preoptic area-anterior hypothalamus". *Peptides*.; **15**(6): 1079-1084 (1994).
7. Barakat, A.S., Quade, D., and Salama, I. Multivariate Homogeneity Testing Using an Extended Cocept of Nearest Neighbors, *Biometrical Journal*, Vol. **38**, 5, 1-8 (1996).
8. Barakat, A. S., Two-Sample Nonparametric Test of Homogeneity, *The Egyptian Statistical Journal* . ISSR, Cairo Univ., Vol. 44, No. 2, 250 – 262(2000).
9. Barakat, A. S., The Possession of the Markov Chain Property by the Wilcoxon-Mann-Whitney Statistic, *The Egyptian Statistical Journal*, ISSR, Cairo Univ., Vol. 45, No. 1, 90 – 96(2001).
10. Barakat, A. S., Kolmogorov-Smirnov Statistic and a Markov Chain Property. *The Egyptian Statistical Journal*, (accepted). ISSR, Cairo Univ., Vol. 45, No. 1, 54 – 58(2001).
11. Barakat, A. S., Two-Sample Multivariate Test of Homogeneity. *An-Najah Univ. J. Res. (N.Sc.)*, vol. **17**(1), 25-33 (2003)

- 12 Barakat, A. S., and others "Mathematics for 9<sup>th</sup> grade, part I". Ministry of Education and Higher Education, Ramallah, Plaestine (2003).
- 13 Barakat, A. S., and others "Mathematics for 9<sup>th</sup> grade, part II". Ministry of Education and Higher Education, Ramallah, Plaestine (2003).
- 14 Waleed, M.S., Nidal, A.J., Abedalraheem, M.B., and Ali, S.B.,  
Pharmacological and Pharmaceutical Factors Affecting Physician's and  
Phamasist's Selection of Drugs. An-Najah Univ. J. Res. (N.Sc.), vol.  
18(1), 87-96 (2004).
- 15 Waleed, M.S., Nidal, A.J., Ali, S.B., and others, Prescribing pattern of  
angiotensin-converting enzyme inhibitors and beta blockers after acute  
myocardial interaction. Saudi Medical Journal. Vol. 26(11) 447 –  
449(2005).
- 16 Hikmat, S. H., Ali, S. B., and others, Synthesis of a new saries of  
hetrocyclic scaffolds for medicinal purposes. European Journal of  
Medicinal ChemistryVol 41, 1017 – 1024(2006).
- 17 Adwan, Ghaleb, Ali, S. B., and others, Assessment of antifungal  
activity of herbal and conventional toothpastes against clinical isolates  
of *Candida albicans*. Asian Pacific Journal of Tropical Biomedicine,  
375 – 379(2012).
- 18 Ghaleb, Adwan, Ali, S. B., and others, Prevalence of seg, she and sei  
Genes among Clinical and Nasal *Staphylococcus aureus* Isolates in  
Palestine. British Microbiology Research Journal, 3(2): 139-149(2013).

#### **CONFERENCES AND PRESENTATIONS:**

1. Peoples-sheps, M.D., Siegel, E., Suchindran, C.M., origasa, H., Ware,  
A., and Barakat, A.S. "Maternal Work and low Birthweight: Does a  
Relationship Really Exist?: Presented at the annual meeting of the  
American Public Health Association, Boston, Massachusetts, November  
14, (1988).

2. Peterson, G., Pedersen, C.A., Barakat, A.S., and Prange, A.J. "Oxytocin Effects on Attention and Subjective Assessment of Mental State". Presented at the annual meeting of the American college of Neuropsychopharmacology, Mani, Hawaii, December 11-15, (1989).
3. Caldwell, J.D., Barakat, A.S, Hurby, V.J., Smith, D.D., and Pederson, C.A. "Basal Forebrain Facilitation of Lordosis by Oxytocin is Blocked by a uteronic antagonist", 19th annual meeting of the society for neuroscience Abstracts Vol. 15, (1989), # 425.9.
4. Barakat, A.S., Quade, D., and Salama, I. "A Nonparametric Multivariate Test for Homogeneity Based on All Nearest Neighbors". Presented at the annual meeting of the American Statistical Association, Anaheim, California, August 6-9, (1990).
5. Barakat, A.S., "Two Non-parametric Multivariate Tests for Homogeneity: A Monte Carlo Study. First annual conference of Palestinean Society of Mathematical Sciences, Birzeit Univeirsity, Palestine, June 16-18th, 1993. Abstract # 31, 55.
6. Barakat A.S., Shtayeh, M.S., and Tantawi, A. "Analysis of Inhabitants Attitudes Towards the use and the Effect of the Solid Waste Landfill Near Beit Furike". Second conference of the Department of Biological Sciences, An-Najah N. University, Nablus, Palestine, Dec. 15-16th, 1994. Abstarct # 8(2.2).