

## **ALEXANDER S. PAPADOPOULOS**

**Professor of Mathematics**  
**Yeditepe University**

(O) 0216-5780690

Email : [apapadopoulos@yeditepe.edu.tr](mailto:apapadopoulos@yeditepe.edu.tr)

### **EDUCATION:**

Ph.D.        Statistics, Virginia Polytechnic Institute  
M.S.        Statistics, Virginia Polytechnic Institute  
M.S.        Mathematics, University of Rhode Island  
B.S.        Electrical Engineering, University of Rhode Island

### **PROFESSIONAL EXPERIENCE**

2007-                      Professor of Mathematics  
                                    Yeditepe University

### **RECENT PUBLICATIONS**

1. “Review of Stochastic ODEs for Modeling BOD and DO in Streams” presented at the Istanbul Conference on Mathematical Methods and Modeling in Life Sciences and Biomedicine 2009 (August 2009)
2. “Prediction of the next earthquake in the Mexican subduction zone and NAFZ using the predictive distribution”. *Geofisica Internacional* (2011) 50-2 191-197
3. “Prediction of the Next Earthquake in the North Anatolian Fault Zone Using the Classical and Bayesian Predictive Distributions”, Yeditepe International Research Conference on Bayesian Learning YIRCoBL’11, June 15 - 17, 2011, Istanbul-Turkey
4. Nadar, M., Papadopoulos A., Kızılaslan F., “Classical and Bayesian estimation of  $P(X<Y)$  using upper record values from Kumaraswamy’s distribution”, Yeditepe International Research Conference on Bayesian Learning YIRCoBL’11, June 15 - 17, 2011, Istanbul-Turkey

5..Nadar, M., Papadopoulos A.,Kızılaslan F., “ Classical and Bayesian estimation of Reliability for Kumaraswamy’s distribution”, International Conference on Applied Analysis and Algebra, Yıldız Technical University, 29-30 June, 1-2 July 2011, Istanbul-TURKEY

6. Nadar, M., Papadopoulos A. “Bayesian Analysis for the Burr Type XII distribution based on record values” STATISTICA, Anno LXXI, n.4, 2011, 421-435

7. Nadar, M., Papadopoulos A., Kızılaslan F., “Statistical analysis for Kumaraswamy’s distribution based on record data”, to appear Statistical papers

8. Nadar, M., Papadopoulos A., Kızılaslan F., “Classical and Bayesian estimation of  $P(Y < X)$  for Kumaraswamy’s distribution” to appear J. of Statistical Computation and Simulation.

#### **AREAS OF EXPERTISE**

**Banking and Financial Services:** Discriminant Analysis, Clustering, Profile of the Customer, Customer Satisfaction, Evaluation of Web Site, Econometrics and Econometrical Models, Forecasting

**Insurance, Pension Funds:** Insurance Premium, Reserves, Evaluation of Pension Funds

**Engineering Applications:** Quality Control, 6-sigma Theory, Reliability Theory, Mean Time Between Failures

**Demographical, Social and Psychological applications of Statistics:** Sampling Size, Analysis of Data Arising from Demographical, Social and Psychological surveys or experiments

**Medical and Pharmaceutical Field:** Analysis of Medical and Pharmaceutical Data, Drug Evaluation

**Computer Skills:** Knowledge of SAS, MINITAB, SPSS, programming in FORTRAN, Basic