

Evdokia Xekalaki **Professor of Statistics**



Department of Statistics,
The Athens University of Economics and
Business, 76 Patision St., 104 34 Athens,
Greece.
Tel.: 30-210-8238798, 30-210-8203269
Fax: 30-210-8238798
e-mail: exek@aueb.gr
URL: <http://www.stat-athens.aueb.gr/~exek/>

Evdokia Xekalaki is a Professor of Statistics [Department of Statistics, Athens University of Economics and Business](#) (since 1989).

Associate Editor of the Journals [Applied Stochastic Models in Business and Industry](#) (2002 -)
and [Journal of Statistical Distributions and Applications](#) (2013 -)

Chief Editor of the journal of [Quality Technology and Quantitative Management](#) (2004-2006).

On sabbatical leave during the academic year 2009-10 and 2012-13 at the [Department of Statistics, University of California-Berkeley](#)

Vice Chair, International Accreditation Committee formed by the Accreditation Council of the Ministry of Education and Culture of Cyprus for the evaluation of B.A., B.Sc. and MBA programs of higher education institutions in Cyprus (1997-2010).

Reviewer του [Research Grants Council](#) (RGC) του Hong Kong (2009 -).

Professor Xekalaki was Chair of the [Department of Statistics](#) of the [Athens University of Economics and Business](#) (1989-1993 and 1996-2000), Director of the Graduate Program of the [Department of Statistics](#) of the [Athens University of Economics and Business](#) (1995-1997), Member of the Research Committee (1989-1993) and Member of the Senate (1989-1993 and 1996-2000) of the [Athens University of Economics and Business](#), Consultant to the EUROSTAT (1987) and chaired the Committee for the revision of the Consumer Price Index of Greece (1996).

She has taught at the [Department of Statistics, AUEB](#) as a Professor (since 1989) and as an Associate Professor (1986-1989), [The University of Crete](#) (Greece), [Department of Mathematics](#), (as an Associate Professor (1983-1986)), [The University of Iowa](#) (USA), [Department of Statistics and Actuarial Science](#), (as an Associate Professor (1982-1983)), [The University of Missouri-Columbia](#) (USA), [Department of Statistics](#), (as an Assistant Professor (1980-1982)), [The University of Dublin, Trinity College](#) (Ireland), [Department of Statistics](#), (as a Lecturer (1979-1980)). She has visited the [Department of Statistics, Trinity College, University of Dublin](#) as a visiting Professor during the academic year 2002-3, the [Department of Statistics, UC Berkeley](#), and the [Department of Statistics](#) and the [Center of Deliberative Democracy, Department of Communication, Stanford University](#) as a visiting scholar during

the academic years 2004-5 (spring semester), 2005-6, 2008-09 (spring semester) and the academic year 2009-10.

She has published more than 60 papers in International Journals and has presented scientific papers in more than 30 international conferences in several of which as an invited speaker. Her research interests include Theoretical and Applied Statistics, Distribution Theory and Applications, Stochastic Model Evaluation, ARCH Models, Statistical Indices.

She is a fellow of the Royal Statistical Society, a member of the International Statistical Institute, and a member of the American Statistical Association.

UNIVERSITY DEGREES

- Ph.D. (1977)* In **Mathematics**. From the Graduate School of Mathematics, University of Bradford, **ENGLAND**
- M.Sc. (1974)* In **Probability and Statistics**. From the Department of Probability and Statistics, University of Sheffield, **ENGLAND**
- First Degree (1972)* In **Mathematics**. From the School of Mathematics and Physics, University of Athens, **GREECE**

ACADEMIC POSITIONS HELD

- 1989 -* **Professor**
Department of Statistics,
The Athens University of Economics and Business,
Athens, GREECE
- 2002-2003* **Visiting Professor**
Department of Statistics,
Trinity College, Dublin, IRELAND
- 1986 - 1989* **Associate Professor**
Department of Statistics and Informatics,
Athens University of Economics and Business,
Athens, GREECE
- 1983 - 1986* **Associate Professor**
Department of Mathematics and Statistics,
University of Crete, GREECE
- 1982 - 1983* **Associate Professor**
Department of Statistics and Actuarial Science,
University of Iowa, Iowa City, USA

- 1980 - 1982 **Assistant Professor**
 Department of Statistics,
 University of Missouri-Columbia,
 Missouri, USA
- 1979 - 1980 **Lecturer**
 Department of Statistics, Trinity College,
 University of Dublin, IRELAND

OFFICES HELD

1. 1996 - 2000 **Head of the Department of Statistics**, Athens University
 & 1989-1993 of Economics and Business, GREECE
2. 1996- 2000 **Member of the Senate**, Athens University of Economics
 & 1989-1993 and Business, GREECE
3. 1995-1997 **Director of the Graduate Program**,
 Department of Statistics,
 Athens University of Economics and Business, GREECE
4. 1990- **Coordinator, European Exchange Programs**,
 Department of Statistics,
 Athens University of Economics and Business, GREECE
5. 1989 - 1993 **Member of the Research Committee**, Athens University of
 Economics and Business, GREECE
6. 1990 - 1992 **Member of the Executive Committee**,
 Greek Statistical Institute

OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES

- **Organizer, Invited Paper Session** entitled "*Is Distribution Theory still Relevant?*", in the "*59th World Statistics Congress of the International Statistical Institute*", Hong Kong, China, August 25-30, 2013
- **Associate Editor** of the Journal [*Applied Stochastic Models in Business and Industry*](#) (2002 -)
- **Associate Editor** of the [*Journal Statistical Distributions and Applications*](#) (2013 -)
- **Reviewer**, [*Research Grants Council*](#) (RGC), Hong Kong (2009 -)
- **Organizer, Invited Paper Session** entitled "*Reflections on the Past, Present and Future of Statistics* ", in the "*58th World Statistics Congress of the International Statistical Institute*", Dublin, Ireland, August 21-26, 2011
- **Organizer, Special Topic Session** entitled "*Democracy and Statistics*", in the "*58th World Statistics Congress of the International Statistical Institute*", Dublin, Ireland, August 21-26, 2011

- **Visiting Scholar**, [Department of Statistics, UC Berkeley](#), 2005-2014
- **Program Committee** of the project *European Citizens' Consultations*, Athens, March 14-15, 2009 which took place in all European Countries from February 10 to March 25, 2009
- **Chief Editor**, [Journal of Quality Technology and Quantitative Management](#), 2004-2006
- **Visiting Scholar**, [Department of Statistics](#) at [UC Berkeley](#), August-September 2003.
- **Organizer, Invited Paper Meeting** entitled "Stochastic Volatility Modeling: Reflections, Recent Developments and the Future", in the "*56th session of the International Statistical Institute*", Lisbon, Portugal, August 22-29, 2007
- **Program Committee** of the project *European Citizens' Consultations*, Nicosia, Cyprus, March 24-25, 2007 which took place in all European Countries from February 10 to March 25, 2007
- **Program Committee** of the project *European Citizens' Consultations*, Athens, March 10-11, 2007 which took place in all European Countries from February 10 to March 25, 2007
- **Chair**, Invited Plenary Session (Plenary Lecture 2: *Three Families of Distributions Based on Simple Initial Distributions and My Two Favourite Simple Initial Distributions*), International Conference on Mathematical and Statistical Modeling in Honor of Enrique Castillo (ICMSM 2006), Ciudad Real, Spain, June 28-30, 2006
- **Board of Examiners** for adjudication of a thesis for the degree of D.Sc. in Statistics, University of Calcutta, January 2006
- **Program Committee** of the [3rd world conference on Computational Statistics & Data Analysis](#), October 2005, 28-31, Limassol, Cyprus
- **International Advisory Board**, International Conference on Statistics in Health Sciences, June 2004, 23-25, Nantes; France
- **International Program Committee**, Computational Management Science Conference and Workshop on Computational Econometrics and Statistics, 2-5 April, Neuchatel, Switzerland, 2004
- **Scientific Committee**, biennial Hellenic European Research On Computer Mathematics And Its Applications Conference since 1988
- **Scientific Committee, International Workshop** on Computational Management Science, Economics, Finance and Engineering, Limassol, Cyprus, March 2003
- **Visiting Professor**, Department of Statistics, Trinity College, University of Dublin, Ireland, 2002-2003
- **Chair, Accreditation Committee** formed by the Accreditation Council of the Ministry of Education and Culture of Cyprus for the evaluation of B.A. & B.Sc. programs in Accounting, Banking and Finance, Economics, Marketing of tertiary education institutions in Cyprus, November 1997
- **Vice Chair**, Accreditation Committee formed by the Accreditation Council of the Ministry of Education and Culture of Cyprus for the evaluation of Business programs offered by tertiary education institutions in Cyprus, (BBA and MBA programs), 1997-2010
- **Chair** of one of the Sessions of the SESS-TIES '99 International Conference, "Envirometrics and Statistics in the Earth and Space Sciences", Athens, Greece, August 1999
- **Chair, Committee for the Revision of the Consumer's Price Index** of Greece for 1996

- **Chair** of one of the Sessions of the 49th Session of the International Statistical Institute, Firenze, Italy, September 1993
- **Invited Visiting Scholar**, Mathematical Institute of the Hungarian Academy of Sciences, Budapest, Hungary, July 1990
- **Invited Visiting Scholar**, Statistical Institute of Mathematics. Tokyo, Japan, September 1987
- **Consultant** to the Statistical Office of the European Community (EUROSTAT), 1987
- **Acting as referee** for several International Statistical Journals
- **Supervised** several Ph.D. and M.Sc. Theses
- Acted as **External Examiner** for, two Ph.D. Theses
- **Member** of Several **Ph.D. Committees**
- **Member of the Local Organizing Committee** and **Chair** of one of the Sessions of the 17th European Meeting of Statisticians, held in Thessaloniki, Greece, August 1987
- **Regular Reviewer** for *Zentralblatt fur Mathematik*, *Mathematical Reviews*, *Biometrics*, *Journal of the Royal Statistical Society*
- **Chair** of one of the Sessions of the International Conference on Statistical Distribution in Scientific Work. Trieste, Italy. August 1980
- **Member, Organizing Committee**, Stochastic Modeling Conference, held in Dublin in May 1980
- **Chair** of one of the Sessions of the Missouri Statistical Conference. Columbia, Missouri. April 1980
- **Invited Visiting Scholar**, Department of Probability and Statistics, University of Sheffield, UK, Summer 1979

RESEARCH INTERESTS

Theoretical and Applied Statistics, Distribution Theory and Applications, Stochastic Model Evaluation, ARCH Models, Statistical Indices

PRESENTATIONS (In International Conferences, Seminars and Colloquia Series)

A. INVITED PRESENTATIONS

- *International Conference on Statistical Distributions and Applications (ICOSDA), Mt. Pleasant, Michigan USA, October 10-12, 2013*
- *International Conference on Mathematical and Statistical Modeling in Honor of Enrique Castillo (ICMSM 2006), Ciudad Real, Spain, June 28-30, 2006*
- *International Conference on Characterizations, Models and Applications, Antalya, Turkey, December 2001*
- *International Conference on Statistics in the 21st Century, Orono, Maine, USA, July 2000*
- *Seminar presentations in the Mathematical Institute of the Hungarian Academy of Sciences and the Institute of Statistical Mathematics, July 1990*

- *11th International Conference on Stability of Stochastic Models, Sukhumi, Soviet Union, October 1987*
- *Institute of Statistical Mathematics. Tokyo, Japan, September 1987*
- *Advanced Research Conference on Weighted Distributions and Related Methods for Statistical Analysis and Interpretation of Encountered Data, Observational Studies, Representativeness Issues and Related Inferences. New Delhi, India, January 1986*
- *International Conference on Mathematical Modelling and Stability of Stochastic Models, Varna, Bulgaria, May 1985*
- *University of Missouri-Columbia Statistics Colloquium, May 1982*
- *University of Iowa, Statistics Seminar, March 1982*
- *University of Missouri-Columbia, Statistics Colloquium, November 1981*
- *Steklov Mathematical Institute of the Academy of Science of USSR. Moscow, USSR, June 1981*
- *Department of Statistics, University of Missouri-Columbia, Statistics Colloquium, November 1980*
- *Summer School and Research Conference in Statistical Distributions in Scientific Work, Trieste, Italy, July 1980*
- *Department of Statistics, University of Dublin, Trinity College, Seminar Series, March 1980*
- *Seminar presentations, Ioannina, April 1979*
- *Seminar presentations, Department of Mathematics, University of Athens, March 1978*

B. CONTRIBUTED PRESENTATIONS

- *59th World Statistics Congress of the International Statistical Institute, **Hong Kong**, August, 2013*
- *57th session of the International Statistical Institute, **Durban**, South Africa, August, 2009*
- *The 2008 annual meeting of the American Political Science Association, **Boston**, August 2008*
- *Hawaii International Conference on Social Science, **Hawaii**, May-June 2007*
- *7th Annual Hawaii International Conference on Business, **Hawaii**, May 2007*
- *25th European Meeting of Statisticians, **Oslo**, Norway, July 2005*
- *Joint Statistical Meetings of the American Statistical Association, The Institute of Mathematical Statistics, The Canadian Statistical Society. **San Francisco**, August 2003*
- *Joint Statistical Meetings of the American Statistical Association, The Institute of Mathematical Statistics, The Canadian Statistical Society. **New York**, August 2002*
- *5th Hellenic European Conference on Computer Mathematics and its Applications, **Athens**, Greece, September 2001*
- *SESS-TIES '99 International Conference, "Envirometrics and Statistics in the Earth and Space Sciences", **Athens**, Greece, August 1999*
- *4th Hellenic European Conference on Computer Mathematics and its Applications, **Athens**, Greece, September 1998*
- *13th International Workshop on Statistical Modelling, **New Orleans**, USA, July 1998*

- *International Environmetrics Conference*, Burlington, Ontario, **Canada**, August 1994
- *American Statistical Association Winter Conference*, Atlanta, **Georgia**, January 1994
- *International Conference of the International Association for Statistical Education*, Perugia, **Italy**, September 1993
- *49th Session of the International Statistical Institute*, Firenze, **Italy**, September 1993
- *American Statistical Association Winter Conference*, Forte Lauderdale, **Florida**, January 1993
- *20th European Meeting of Statisticians*, Bath, **England**, September 1992
- *Annual Conference of the Royal Statistical Society*, Sheffield, **England**, September 1992
- *Annual Meeting on Making Statistics More Effective in Business Schools*, University of Tennessee, Knoxville, **Tennessee**, June 1992
- *48th Session of the International Statistical Institute*, Cairo, **Egypt**, September 1991
- *First International Symposium on Uncertainty Modeling and Analysis*, Maryland, **USA**, December 1990
- *2nd World Congress of the Bernoulli Society and 53rd Annual Meeting of the Institute of Mathematical Statistics*, Uppsala, **Sweden**, August 1990
- *XVth International Biometric Conference*, Budapest, **Hungary**, July 1990
- *First World Conference on Computational Statistics and Data Analysis*, Shizuoka, **Japan**, September 1987
- *46th Session of the International Statistical Institute*, Tokyo, **Japan**, September 1987
- *17th European Meeting of Statisticians*, **Thessaloniki**, Greece, August 1987
- *1st International Conference on Fibonacci Numbers and their Applications*, **Patras**, Greece, August 1984
- *7th Balkan Congress of Mathematicians*, **Athens**, Greece, December 1983
- *The 1982 Spring Meeting (179th Meeting) of the Institute of Mathematical Statistics and the Biometric Society*, San Antonio, **Texas**, USA, March 1982
- *The 1981 Annual Meeting of the American Statistical Association and the Biometric Society*, Detroit, **Michigan**, USA, August 1981
- *The 1981 Annual Meeting (177th Meeting) of the Institute of Mathematical Statistics*, Vail, **Colorado**, USA, August 1981
- *Stochastic Modeling Conference*, **Dublin**, Ireland, May 1980. (Organized by the Department of Statistics, Trinity College, University of Dublin)
- *42nd Session on the International Statistical Institute*, Manila, **Philippines**, December 1979. (Organized by the International Statistical Institute)
- *6th Conference on Probability Theory*, Brasov, **Romania**, September 1979. (Organized by the Centre of Mathematical Statistics of Bucharest and the Romanian Academy)
- *Colloquium on Analytic Function Methods in Probability Theory*, Debrecen, **Hungary**, September 1977. (Organized by the Bolyai Janos Mathematical Society of Hungary)
- *10th European Meeting of Statisticians*, Leuven, **Belgium**, August 1977. (Organized by the Bernoulli Society for Probability and Mathematical Statistics)

C. OTHER MEETING ACTIVITIES

- *International Conference on Mathematical, Computational and Statistical Sciences, and Engineering*, **Lucerne**, Switzerland, October, 2012
- *The 2009 meeting of the Swiss Society of Economics and Statistics (SSES)*, **Geneva**, Switzerland, June 2009
- *GLLAMM, Generalized Linear Latent And Mixed Models meeting*, **Lausanne**, Switzerland, June 2007

PROFESSIONAL AFFILIATION

- **Member** of the International Statistical Institute
- **Fellow** of the Royal Statistical Society of London
- **Member** of the American Statistical Association
- **Member** of the Bernoulli Society for Probability and Mathematical Statistics
- **Member** of the Institute of Mathematical Statistics
- **Member** of the International Society for Ecological Modeling
- **Member** of the Classification Society of North America
- **Member** of the Hellenic Mathematical Society
- **Member** of the Greek Statistical Institute

THESES

1. “Multiple Comparison Methods”, (M.Sc. Dissertation), University of Sheffield, England, 1974
2. “Bivariate and Multivariate Extensions of the Generalized Waring Distribution”, (Ph.D.), University of Bradford, England, 1977. (Supervisor: Professor C.D. Kemp. External examiner: Professor P. Armitage)

RESEARCH AND PUBLICATIONS

A. Books by International Publishers

E. Xekalaki and S. Degiannakis (2010). ARCH Models for Financial Applications, John Wiley & Sons Ltd., New York

E. Xekalaki. The Generalized Waring Distribution and its Applications, World Scientific Publishers (*work in progress*)

B. Refereed Publications

63. *M. Perakis and E. Xekalaki.* (2013). “Assessing the Proportion of Conformance of a Process from a Bayesian Perspective”. **Quality and Reliability Engineering International**, on line version DOI: 10.1002/qre.1597
62. *M. Perakis and E. Xekalaki.* (2012). “On the Implementation of the Principal Component Analysis–Based Approach in Measuring Process Capability”. **Quality and Reliability Engineering International**, 28(4), 467-480
61. *D. Karlis and E. Xekalaki.* (2008). “The Polygonal Distribution”. **Advances in Mathematical and Statistical Modeling**, B.C. Arnold N. Balakrishnan, J.M. Sarabia and R. Minguez (eds), Birkhäuser, 21-34
60. *E. Xekalaki and M. Zografí.* (2008). “The Generalized Waring Process and its Application”. **Communications in Statistics, A (Theory and Methods)**, 37(12), 1835-1854
59. *S. Degiannakis and E. Xekalaki.*(2008). “SPEC Model Selection Algorithm for ARCH Models: an Options Pricing Evaluation Framework”. **Applied Financial Economics Letters**, 4(6), 419-423
58. *S. Degiannakis and E. Xekalaki.* (2007). “Assessing the Performance of a Prediction Error Criterion Model Selection Algorithm in the Context of ARCH Models”. **Applied Financial Economics**, 17, 149-171
57. *S. Degiannakis and E. Xekalaki.* (2007). “Simulated evidence on the distribution of the Standardized One-Step-Ahead Prediction Errors in ARCH processes”. **Applied Financial Economics Letters**, 3, 31-37
56. *E. Xekalaki* (2006). “Under- and Overdispersion”. **Encyclopedia of Actuarial Science**, Wiley, 3, 1700-1705
55. *M. Perakis, P. Maravelakis, S. Psarakis, E. Xekalaki and J. Panaretos.* (2005). “On Certain Indices for Ordinal Data with Unequally Weighted Classes”. **Quality and Quantity**, 39(5), 515-536
54. *E. Xekalaki.* (2005). “The Multivariate Waring Distribution”. **Scientometrics**, 62(2), 293-296
53. *E. Xekalaki and S. Degiannakis.* (2005). “Predictability and Model Selection in the Context of ARCH Models”. **Journal of Applied Stochastic Models in Business and Industry**, 21, 55-82
52. *E. Xekalaki and D. Karlis.* (2005). “Mixed Poisson Distributions”. **International Statistical Review**, 73(1), 35-58
51. *M. Perakis and E. Xekalaki* (2005). “A Process Capability Index for Discrete Processes”. **Journal of Statistical Computation and Simulation**, 75 (3), 175-187
50. *E. Xekalaki and C. Dimaki* (2005). “Identifying the Pareto and Yule Distribution by Properties of Their Reliability Measures”. **Journal of Statistical Planning and Inference**, 131, 231-252
49. *E. Xekalaki and S. Degiannakis.* (2005). “Evaluating Volatility Forecasts in Option Pricing in the Context of a Simulated Options Market”. **Computational**

- Statistics and Data Analysis.** (Special Issue on Computational Econometrics), 49(2), 611-629
48. *S. Degiannakis and E. Xekalaki.* (2004). "Autoregressive Conditional Heteroskedasticity (ARCH) Models: A Review". **Quality Technology and Quantitative Management**, 1 (2), 271-324
 47. *E. Xekalaki and C. Dimaki* (2004). "Characterizations of Bivariate Pareto and Yule Distributions". **Communications in Statistics, A (Theory and Methods)**. (Special Issue on Characterizations), 33(12), 3033-3042
 46. *E. Xekalaki and J. Panaretos* (2004). "A Binomial Distribution with Dependent Trials and its use in Stochastic Model Evaluation". **Communications in Statistics, A (Theory and Methods)**. (Special Issue on Characterizations), 33(12), 3043-3058
 45. *M. Perakis and E. Xekalaki* (2004). "A New Method for Constructing Confidence Intervals for the Index C_{pm} ". **Quality and Reliability Engineering International**, 20, 651-665
 44. *D. Karlis and E. Xekalaki* (2003). "Mixtures Everywhere". **Stochastic Musings: Perspectives from the Pioneers of the Late 20th Century**". J.Panaretos (ed.). Laurence Erlbaum, USA, 78-95
 43. *E. Xekalaki, J. Panaretos and S. Psarakis* (2003). "A Predictive Model Evaluation and Selection Approach – The Correlated Gamma Ratio Distribution". **Stochastic Musings: Perspectives from the Pioneers of the Late 20th Century**". J.Panaretos (ed.). Laurence Erlbaum, USA, 188-202
 42. *M. Perakis and E. Xekalaki* (2003). "On an Comparison of the Efficacy of Various Approximations of the Critical Values for Tests on the Process Capability Indices CPL, CPU and C_{pk} ". **Communications in Statistics – Simulation and Computation**, 32(4), 1249-1264
 41. *M. Perakis and E. Xekalaki* (2003). "On a Process Capability Index for Asymmetric Specifications". **Communications in Statistics A – (Theory and Methods)**, 32(7), 1459-1492
 40. *D. Karlis and E. Xekalaki* (2003). "Choosing Initial Values for the EM Algorithm for Finite Mixtures". **Computational Statistics and Data Analysis** (Special Issue on Mixtures), 41, 577-590
 39. *D. Karlis and E. Xekalaki* (2003). "A Zero Frequency Alternative Method to the Moment Method of Estimation in Finite Poisson Mixtures". **Journal of Statistical Computation and Simulation**, 73(6), 409-427
 38. *M. Perakis and E. Xekalaki* (2002). "A Process Capability Index That is Based on the Proportion of Conformance". **Journal of Statistical Computation and Simulation**, 72(9), 707-718
 37. *D. Karlis and E. Xekalaki* (2001). "Robust Inference for Finite Poisson Mixtures". **Journal of Statistical Planning and Inference**, 93, 93-115
 36. *D. Karlis and E. Xekalaki* (2000). "A Simulation Comparison of Several Procedures for Testing the Poisson Assumption". **Journal of the Royal Statistical Society, Series D** (The Statistician), 49(3), 355-382
 35. *D. Karlis and E. Xekalaki* (1999). "Improving the EM Algorithm for Mixtures". **Statistics and Computing**, 9, 303-307
 34. *D. Karlis and E. Xekalaki* (1999). "On Testing for the Number of Components in a Mixed Poisson Model". **Annals of the Institute of Statistical Mathematics**, 51 (1), 149-162

33. *D. Karlis and E. Xekalaki* (1998). "Minimum Hellinger Distance Estimation for Poisson Mixtures". **Computational Statistics and Data Analysis**, 29, 81-103
32. *C. Dimaki and E. Xekalaki* (1996). "Additive and Multiplicative Distortion of Observations: Some Characteristic Properties". **Journal of Applied Statistical Science**, 5(2), 113-127
31. *C. Dimaki and E. Xekalaki* (1996). "Towards a Unification of Certain Characterizations by Conditional Expectations". **Annals of the Institute of Statistical Mathematics**, 48, 157-168
30. *C. Dimaki and E. Xekalaki* (1991). "Characterizations of the Pareto Distribution Based on Order Statistics". **Lecture Notes in Mathematics**, 1546 (Stability Problems for Stochastic Models), V.V. Kalashnikov and V.M. Zolotarev (eds.), 1-16
29. *C. Dimaki and E. Xekalaki* (1990). "Identifiability of Income Distributions in the Context of Damage and Generating Models". **Communications in Statistics, Part A, (Theory and Methods)**. 19 (8), 2757-2766
28. *G.A. Whitmore and E. Xekalaki* (1990). "P-values as Measure of Predictive Validity". **Biometrical Journal**, 32 (8), 977-983
27. *J. Panaretos and E. Xekalaki* (1989). "A Probability Distribution Associated with Events with Multiple Occurrences". **Statistics and Probability Letters**, 8 (4), 389-396
26. *E. Xekalaki and J. Panaretos* (1989). "On Some Distributions Arising in Inverse Cluster Sampling". **Communications in Statistics, Part A, (Theory and Methods)**. 18 (1), 355-366
25. *E. Xekalaki* (1988). "Buying and Stocking under Uncertainty". **Scientific Annals**, Athens University of Economics and Business, 365-375
24. *E. Xekalaki and J. Panaretos* (1988). "On the Association of the Pareto and the Yule Distributions". **Teoriya Veroyatnostei i ee Primeneniya**, 33 (1), 206-210
23. *E. Xekalaki* (1987). "A Method of Obtaining the Probability Distribution of m Components Conditional on 1 Components of a Random Vector". **Revue Roumaine des Mathématiques Pures et Appliquées**, 32 (6), 581-583
22. *E. Xekalaki, J. Panaretos and A. Philippou* (1987). "On Some Mixtures of Distributions of order k ", **The Fibonacci Quarterly**, 25, 151-160
21. *J. Panaretos and E. Xekalaki* (1986). "On Some Distributions Arising from Certain Generalized Sampling Schemes". **Communications in Statistics A (Theory and Methods)**, 15, 873-891
20. *E. Xekalaki* (1986). "The Multivariate Generalized Waring Distribution". **Communications in Statistics A (Theory and Methods)**, 15, 1047-1064. (Invited Paper)
19. *E. Xekalaki* (1986). "The Bivariate Yule Distribution and Some of its Properties". **Mathematische Operationforschung und Statistik. Series Statistics**, 17, (2), 311-317
18. *J. Panaretos and E. Xekalaki* (1986). "The Stuttering-Generalized Waring Distribution". **Statistics and Probability Letters**, 4 (5), 313-318
17. *J. Panaretos and E. Xekalaki* (1986). "On Generalized Binomial Distributions and their Relation to Generalized Poisson Distributions". **Annals of the Institute of Statistical Mathematics**, 38, 223-231
16. *E. Xekalaki* (1985). "Factorial Moment Estimation for the Bivariate Generalized Waring Distribution". **Statistische Hefte (Statistical Papers)**, 26, 115-129

15. *E. Xekalaki* (1985). "Some Identifiability Problems Involving Generalized Waring Distributions". **Publicationes Mathematicae**, 32, 1985, 75-84
14. *E. Xekalaki* (1985). "Some Bivariate Extensions of the Generalized Waring Distribution". **Studia Scientiarum Mathematicarum Hungarica**, 20, 173-181
13. *E. Xekalaki* (1984). "Models Leading to the Bivariate Generalized Waring Distribution". **Utilitas Mathematica**, 25, 263-290
12. *E. Xekalaki and S.K. Katti* (1984). "A Technique for Evaluating Forecasting Models". **Biometrical Journal**, 26(2), 173-184
11. *E. Xekalaki* (1984). "Linear Regression and the Yule Distribution". **Journal of Econometrics**, 24 (1), 397-403
10. *E. Xekalaki* (1984). "The Bivariate, Generalized Waring Distribution and its Application to Accident Theory". **Journal of the Royal Statistical Society, Series A (General)**, 147(3), 488-498
9. *E. Xekalaki and J. Panaretos* (1983). "Identifiability of Compound Poisson Distributions". **Scandinavian Actuarial Journal**, 66, 39-45
8. *E. Xekalaki* (1983). "Hazard Functions and Life Distributions in Discrete Time". **Communications in Statistics, Part A, (Theory and Methods)**, 12 (21), 2503-2509
7. *E. Xekalaki* (1983). "A Property of the Yule Distribution and its Applications". **Communications in Statistics, Part A (Theory and Methods)**. A12, No. 10, 1181-1189
6. *E. Xekalaki* (1983). "The Univariate Generalized Waring Distribution in Relation to Accident Theory. Proneness, Spells or Contagion?". **Biometrics**, 39 (3), 887-895
5. *E. Xekalaki* (1983). "Expressions for the Probabilities of the Bivariate Hermite Distribution and Related Characterizations". **Applicationes Matematicy**, 18, 35-41
4. *E. Xekalaki* (1983). "Infinite Divisibility, Completeness and Regression Properties of the Generalized Waring Distribution". **Annals of the Institute of Statistical Mathematics**, 35 (A), 279-289
3. *E. Xekalaki* (1981). "Chance Mechanisms for the Univariate Generalized Waring Distribution and Related Characterizations". **Statistical Distributions in Scientific Work**, 4, 157-171
2. *J. Panaretos and E. Xekalaki* (1977). "A Characteristic Property of Certain Discrete Distributions". **Analytic Function Methods in Probability Theory**, 21, 253-267
1. *E. Xekalaki* (1977). "On Characterizing the Bivariate Poisson, Binomial and Negative Binomial Distributions". **Analytic Function Methods in Probability Theory**, 21, 369-379

C. Papers in International Conference Proceedings

21. *S. Degiannakis & E. Xekalaki* (2005). "On the Independence of the Standardized One-Step-Ahead Prediction Errors in Arch Models", **Proceedings of the 7th Hellenic-European Conference on Computer Mathematics and its Applications**, September 2005, Athens, Greece, E.A. Lypitakis (ed.)
20. *V. Michalacopoulos & E. Xekalaki* (2001). "Using Sampling Techniques To Estimate The De Jure Population of Greece and Apportion Parliament Seats

- Among Electoral Districts”, **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 812-818
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