

Ευδοκία Ξεκαλάκη Καθηγήτρια Στατιστικής



Τμήμα Στατιστικής
Οικονομικό Πανεπιστήμιο Αθηνών
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Καθηγήτρια Στατιστικής στο Τμήμα Στατιστικής του Οικονομικού Πανεπιστημίου Αθηνών (από το 1989).

Είναι Associate Editor των διεθών περιοδικών Journal of Applied Stochastic Models in Business and Industry (2002 -) και Journal of Statistical Distributions and Applications (2013 -).

Έχει διατελέσει Chief Editor στο διεθνές περιοδικό Quality Technology and Quantitative Management (2004-2006).

Κατά τα ακαδημαϊκά έτη 2009-10 και 2012-13 βρισκόταν σε εκπαιδευτική άδεια στο Τμήμα Στατιστικής, του Πανεπιστημίου Μπέρκλεϋ στην Καλιφόρνια.

Έχει διατελέσει Αντιπρόεδρος Διεθνών Επιτροπών Αξιολόγησης - Πιστοποίησης για την αξιολόγηση και πιστοποίηση προγραμμάτων B.A., B.Sc. και M.B.A. ιδρυμάτων τριτοβάθμιας εκπαίδευσης της Κύπρου (1997-2010).

Είναι κριτής του Research Grants Council (RGC) του Hong Kong (2009 -).

Έχει διατελέσει Πρόεδρος του Τμήματος Στατιστικής του Οικονομικού Πανεπιστημίου Αθηνών (1989-1993 και 1996-2000), Διευθύντρια του Μεταπτυχιακού Προγράμματος του Τμήματος Στατιστικής του Οικονομικού Πανεπιστημίου Αθηνών (1995-97), μέλος της Επιτροπής Ερευνών (1989-93), μέλος της Συγκλήτου του Οικονομικού Πανεπιστημίου Αθηνών (1989-1993 και 1996-2000) και συντονίστρια του Ευρωπαϊκού Προγράμματος Ανταλλαγών SOCRATES (1990-2004).

Έχει διδάξει ως Lecturer στο Τμήμα Στατιστικής του Πανεπιστημίου του Dublin (Trinity College) (1979-1980), Assistant Professor στο Τμήμα Στατιστικής του Πανεπιστημίου Missouri-Columbia (1980-1982), Associate Professor στο Τμήμα Στατιστικής του Πανεπιστημίου Iowa (1982-1983), ως Επισκέπτρια Καθηγήτρια στο Τμήμα Μαθηματικών του Πανεπιστημίου της Κρήτης (1983-1986) και ως Αναπληρώτρια Καθηγήτρια στο Τμήμα Στατιστικής και Πληροφορικής του Οικονομικού Πανεπιστημίου Αθηνών (1986-89).

Έχει διατελέσει επισκέπτρια καθηγήτρια στα Πανεπιστήμια του Δουβλίνου (Trinity College) στην Ιρλανδία, Μπέρκλεϋ και Στάνφορντ στην Καλιφόρνια.

Έχει επίσης διατελέσει Σύμβουλος-Εμπειρογνώμων του Στατιστικού Γραφείου των Ευρωπαϊκών Κοινοτήτων (EUROSTAT, 1987) και Πρόεδρος της Επιτροπής του Υπουργείου Εθνικής Οικονομίας για την αναθεώρηση του Δείκτη Τιμών Καταναλωτή (1996).

Έχει δημοσιεύσει περισσότερα από 60 άρθρα σε διεθνή Επιστημονικά περιοδικά και έχει παρουσιάσει εργασίες σε περισσότερα από 30 διεθνή συνέδρια σε πολλά από τα οποία ως προσκεκλημένη ομιλήτρια. Στα ερευνητικά της ενδιαφέροντα περιλαμβάνονται Θεωρητική και Εφαρμοσμένη Στατιστική, Θεωρία Κατανομών και Εφαρμογές, Αξιολόγηση Στοχαστικών Μοντέλων, Μοντέλα ARCH, Στατιστικοί Δείκτες.

Είναι fellow της Royal Statistical Society και μέλος των επιστημονικών οργανώσεων International Statistical Institute, American Statistical Association, Ελληνικό Στατιστικό Ινστιτούτο και Ελληνική Μαθηματική Εταιρεία.

ΠΑΝΕΠΙΣΤΗΜΙΑΚΟΙ ΤΙΤΛΟΙ

- Ph.D. (1977)* Στα **Μαθηματικά**. Από την μεταπτυχιακή σχολή Μαθηματικών, του Πανεπιστημίου Bradford, Αγγλίας
- M.Sc. (1974)* Στις **Πιθανότητες και τη Στατιστική**. Από το τμήμα Πιθανοτήτων και Στατιστικής του Πανεπιστημίου Sheffield, Αγγλίας
- First Degree (1972)* Στα **Μαθηματικά**. Από την Φυσικομαθηματική σχολή του Πανεπιστημίου Αθηνών

ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΘΕΣΕΙΣ

- 1989 - **Καθηγήτρια**
Τμήμα Στατιστικής,
Οικονομικό Πανεπιστήμιο Αθηνών
- 2002-2003 **Επισκέπτρια Καθηγήτρια**
Department of Statistics,
Trinity College, Dublin, IRELAND
- 1986 - 1989 **Αναπληρώτρια Καθηγήτρια**
Τμήμα Στατιστικής και Πληροφορικής,
Οικονομικό Πανεπιστήμιο Αθηνών
- 1983 - 1986 **Επισκέπτρια Αναπληρώτρια Καθηγήτρια**
Τμήμα Μαθηματικών και Στατιστικής
Πανεπιστήμιο Κρήτης

- 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

ΛΙΟΙΚΗΤΙΚΕΣ ΘΕΣΕΙΣ

1. 1996 -2000
& 1989 - 1993 **Πρόεδρος του Τμήματος Στατιστικής,**
Οικονομικό Πανεπιστήμιο Αθηνών, ΑΘΗΝΑ
2. 1996 - 2000
& 1989 - 1993 **Μέλος της Συγκλήτου,**
Οικονομικό Πανεπιστήμιο Αθηνών, ΑΘΗΝΑ
3. 1995 - 1997 **Διευθύντρια Μεταπτυχιακού Προγράμματος,**
Τμήμα Στατιστικής, Οικονομικό Πανεπιστήμιο Αθηνών,
ΑΘΗΝΑ
4. 1990 - **Συντονίστρια, Ευρωπαϊκά Προγράμματα Ανταλλαγών,**
Τμήμα Στατιστικής, Οικονομικό Πανεπιστήμιο Αθηνών,
ΑΘΗΝΑ
5. 1989 - 1993 **Μέλος της Επιτροπής Ερευνών,**
Οικονομικό Πανεπιστήμιο Αθηνών, ΑΘΗΝΑ
6. 1990 - 1992 **Μέλος του Δ.Σ. του Ελληνικού Στατιστικού Ινστιτούτου**

ΑΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ

- **Οργανώτρια, Invited Paper Session** με τίτλο "*Is Distribution Theory still Relevant?*", στο "*59th World Statistics Congress of the International Statistical Institute*", Hong Kong, Κίνα, 25-30 Αυγούστου, 2013
- **Associate Editor** του διεθνούς περιοδικού Journal of Applied Stochastic Models in Business and Industry (2002 -)
- **Associate Editor** του διεθνούς περιοδικού Journal Statistical Distributions and Applications (2013 -)
- **Κριτής του Research Grants Council (RGC),** Hong Kong (2009 -)

- **Οργανώτρια, Invited Paper Session** με τίτλο "*Reflections on the Past, Present and Future of Statistics*", στο "*58th World Statistics Congress of the International Statistical Institute*", Dublin, Ιρλανδία, 21-26 Αυγούστου 2011
- **Οργανώτρια, Special Topic Session** με τίτλο "*Democracy and Statistics*", στο "*58th World Statistics Congress of the International Statistical Institute*", Dublin, Ιρλανδία, 21-26 Αυγούστου 2011
- **Visiting Scholar**, Department of Statistics, UC Berkeley, 2005-2014
- **Μέλος της Επιστημονικής Επιτροπής** του project *European Citizens' Consultations*, Αθήνα, 14-15 Μαρτίου 2009 που διεξήχθη σε όλες τις χώρες της Ευρωπαϊκής Ένωσης από 10 Φεβρουαρίου έως 25 Μαρτίου 2009
- **Chief Editor** του διεθνούς περιοδικού *Quality Technology and Quantitative Management*, 2004-2006
- **Visiting Scholar**, Department of Statistics, UC Berkeley, Αύγουστος-Σεπτέμβριος 2003
- **Οργανώτρια, Invited Paper Meeting** με τίτλο "Stochastic Volatility Modeling: Reflections, Recent Developments and the Future", στο "*56th session of the International Statistical Institute*", Lisbon, Πορτογαλία, 22-29 Αυγούστου 2007
- **Μέλος της Επιστημονικής Επιτροπής** του project *European Citizens' Consultations*, Λευκωσία, Κύπρος 24-25 Μαρτίου 2007 που διεξήχθη σε όλες τις χώρες της Ευρωπαϊκής Ένωσης 10 Φεβρουαρίου έως 25 Μαρτίου 2007
- **Μέλος της Επιστημονικής Επιτροπής** του project *European Citizens' Consultations*, Αθήνα, 10-11 Μαρτίου 2007 που διεξήχθη σε όλες τις χώρες της Ευρωπαϊκής Ένωσης από 10 Φεβρουαρίου έως 25 Μαρτίου 2007
- **Πρόεδρος**, 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, Ισπανία, 28-30 Ιουνίου, 2006
- **Member of the Board of Examiners** για την κρίση διατριβής που υποβλήθηκε για την απονομή του τίτλου **D.Sc. in Statistics**, Πανεπιστήμιο της Calcutta, Ιανουάριος 2006
- **Μέλος της Επιστημονικής Επιτροπής** της 3rd world conference on Computational Statistics & Data Analysis, 28-31 Οκτωβρίου 2005, Λεμεσός, Κύπρος
- **Member of the International Advisory Board**, της International Conference on Statistics in Health Sciences, Ιούνιος 2004, 23-25, Nantes; Γαλλία
- **Member of the International Program Committee**, του Computational Management Science Conference and Workshop on Computational Econometrics and Statistics, 2-5 Απριλίου, Neuchatel, Ελβετία, 2004
- **Μέλος του International Workshop** on Computational Management Science, Economics, Finance and Engineering, Λεμεσός, Κύπρος, Μάρτιος 2003
- **Επισκέπτρια Καθηγήτρια**, Department of Statistics, Trinity College, University of Dublin, Ιρλανδία, 2002-2003
- **Πρόεδρος** Διεθνούς Επιτροπής Αξιολόγησης - Πιστοποίησης συγκροτηθείσας από το Συμβούλιο Αξιολόγησης - Πιστοποίησης του Υπουργείου Παιδείας και Πολιτισμού της Κύπρου για την αξιολόγηση και πιστοποίηση προγραμμάτων Β.Α. και Β.Sc. Λογιστικής, Τραπεζικής και Χρηματοοικονομικής, Οικονομικών και Marketing κολλεγίων και ινστιτούτων τριτοβάθμιας εκπαίδευσης της Κύπρου, Νοέμβριος 1997

- **Αντιπρόεδρος** Διεθνών Επιτροπών Αξιολόγησης - Πιστοποίησης συγκροτηθεισών από το Συμβούλιο Αξιολόγησης - Πιστοποίησης του Υπουργείου Παιδείας και Πολιτισμού της Κύπρου για την αξιολόγηση και πιστοποίηση προγραμμάτων κολλεγίων και ινστιτούτων τριτοβάθμιας εκπαίδευσης της Κύπρου (προγράμματα B.B.A., B.Sc. και M.B.A.), 1997-2010
- **Πρόεδρος** μιας εκ των συνεδριάσεων του SESS-TIES '99 *International Conference, "Envirometrics and Statistics in the Earth and Space Sciences"*, Αθήνα, Αύγουστος 1999
- **Μέλος της Επιστημονικής Επιτροπής**, biennial Hellenic European Conference on Computer Mathematics and its Applications, από το 1998
- **Πρόεδρος** της Επιτροπής Αναθεώρησης του Ελληνικού Δείκτη Τιμών Καταναλωτή, 1996
- **Πρόεδρος** μιας εκ των συνεδριάσεων του 49th Session of the International Statistical Institute, Φλωρεντία, Ιταλία, Σεπτέμβριος 1993
- **Προσκεκλημένη Ερευνήτρια**, Μαθηματικό Ινστιτούτο της Ουγγρικής Ακαδημίας Επιστημών, Βουδαπέστη, Ουγγαρία, Ιούλιος 1990
- **Προσκεκλημένη Ερευνήτρια**, Statistical Institute of Mathematics. Τόκιο, Ιαπωνία, Σεπτέμβριος 1987
- **Σύμβουλος – Εμπειρογνώμων** του Στατιστικού Γραφείου των Ευρωπαϊκών Κοινοτήτων (EUROSTAT), 1987
- **Κριτής επιστημονικών εργασιών** για διεθνή Στατιστικά περιοδικά
- **Επιβλέπουσα Καθηγήτρια** διδακτορικών διατριβών
- **Εξωτερικό μέλος** δύο εξεταστικών επιτροπών απονομής Διδακτορικών
- **Μέλος** πολλών συμβουλευτικών επιτροπών υποψήφιων Διδασκάντων
- **Μέλος της τοπικής οργανωτικής επιτροπής και Πρόεδρος** μιας εκ των συνεδριάσεων του 17th European Meeting of Statisticians, Θεσσαλονίκη, Αύγουστος 1987
- **Κριτής** για τα περιοδικά *Zentralblatt fur Mathematik, Mathematical Reviews, Biometrics, Journal of the Royal Statistical Society*
- **Πρόεδρος** μιας εκ των συνεδριάσεων σε χαρακτηρισμούς της International Conference on Statistical Distribution in Scientific Work. Τεργέστη, Ιταλία, Αύγουστος 1980
- **Μέλος της Οργανωτικής Επιτροπής και Πρόεδρος** μιας εκ των των συνεδριάσεων του Stochastic Modelling, Conference. Trinity College, Δουβλίνο, Ιρλανδία, Μάιος 1980
- **Πρόεδρος** μιας εκ των συνεδριάσεων της Missouri Statistical Conference. Columbia, Missouri, ΗΠΑ, Απρίλιος 1980
- **Προσκεκλημένη Ερευνήτρια**, Τμήμα Πιθανοτήτων και Στατιστικής, του Πανεπιστημίου του Sheffield, Αγγλία, Καλοκαίρι 1979

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Θεωρητική και Εφαρμοσμένη Στατιστική, Θεωρία Κατανομών και Εφαρμογές, Αξιολόγηση Στοχαστικών Μοντέλων, Μοντέλα ARCH, Στατιστικοί Δείκτες

ΠΑΡΟΥΣΙΑΣΗ ΕΡΓΑΣΙΩΝ (Σε Διεθνή Επιστημονικά Συνέδρια και Σεμινάρια)

A. ΩΣ ΠΡΟΣΚΕΚΛΗΜΕΝΗ ΟΜΙΛΗΤΡΙΑ

- *International Conference on Statistical Distributions and Applications (ICOSDA), Mt. Pleasant, Michigan USA, 10-12 Οκτωβρίου, 2013*
- *International Conference on Mathematical and Statistical Modeling in Honor of Enrique Castillo (ICMSM 2006), Ciudad Real, Spain, 28-30 Ιουνίου, 2006*
- *International Conference on Characterizations, Models and Applications, Antalya, Turkey, Δεκέμβριος 2001*
- *International Conference on Statistics in the 21st Century, Orono, Maine, USA, Ιούλιος 2000*
- *Seminar presentations in the Mathematical Institute of the Hungarian Academy of Sciences and the Institute of Statistical Mathematics, Ιούλιος 1990*
- *11th International Conference on Stability of Stochastic Models, Sukhumi, Soviet Union, Οκτώβριος 1987*
- *Institute of Statistical Mathematics. Tokyo, Japan, Σεπτέμβριος 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, Ιανουάριος 1986*
- *International Conference on Mathematical Modelling and Stability of Stochastic Models, Varna, Bulgaria, Μάιος 1985*
- *University of Missouri-Columbia Statistics Colloquium, Μάιος 1982*
- *University of Iowa, Statistics Seminar, Μάρτιος 1982*
- *University of Missouri-Columbia, Statistics Colloquium, Νοέμβριος 1981*
- *Steklov Mathematical Institute of the Academy of Science of USSR. Moscow, USSR, Ιούνιος 1981*
- *Department of Statistics, University of Missouri-Columbia, Statistics Colloquium, Νοέμβριος 1980*
- *Summer School and Research Conference in Statistical Distributions in Scientific Work, Trieste, Italy, Ιούλιος 1980*
- *Department of Statistics, University of Dublin, Trinity College, Seminar Series, Μάρτιος 1980*
- *Seminar presentations, Ioannina, Απρίλιος 1979*
- *Seminar presentations, Department of Mathematics, University of Athens, Μάρτιος 1978*

B. ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΣΥΝΕΔΡΙΑ (Με Παρουσίαση Εργασιών)

- *59th World Statistics Congress of the International Statistical Institute, Hong Kong, August, 2013*
- *57th session of the International Statistical Institute, Durban, South Africa, Αύγουστος 2009*
- *The 2008 annual meeting of the American Political Science Association, Boston, Αύγουστος 2008*
- *Hawaii International Conference on Social Science, Hawaii, Μάιος-Ιούνιος 2007*
- *7th Annual Hawaii International Conference on Business, Hawaii, Μάιος 2007*

- *25th European Meeting of Statisticians*, **Oslo**, Norway, Ιούλιος 2005
- *Joint Statistical Meetings of the American Statistical Association*, The Institute of Mathematical Statistics, The Canadian Statistical Society. **San Francisco**, Αύγουστος 2003
- *Joint Statistical Meetings of the American Statistical Association*, The Institute of Mathematical Statistics, The Canadian Statistical Society. **New York**, Αύγουστος 2002
- *5th Hellenic European Conference on Computer Mathematics and its Applications*, **Athens**, Greece, Σεπτέμβριος 2001
- *SESS-TIES '99 International Conference*, “*Envirometrics and Statistics in the Earth and Space Sciences*”, **Athens**, Greece, Αύγουστος 1999
- *4th Hellenic European Conference on Computer Mathematics and its Applications*, **Athens**, Greece, Σεπτέμβριος 1998
- *13th International Workshop on Statistical Modelling*, **New Orleans**, USA, Ιούλιος 1998
- *International Environmetrics Conference*, Burlington, Ontario, **Canada**, Αύγουστος 1994
- *American Statistical Association Winter Conference*, Atlanta, **Georgia**, Ιανουάριος 1994
- *International Conference of the International Association for Statistical Education*, Perugia, **Italy**, Σεπτέμβριος 1993
- *49th Session of the International Statistical Institute*, Firenze, **Italy**, Σεπτέμβριος 1993
- *American Statistical Association Winter Conference*, Forte Lauderdale, **Florida**, Ιανουάριος 1993
- *20th European Meeting of Statisticians*, Bath, **England**, Σεπτέμβριος 1992
- *Annual Conference of the Royal Statistical Society*, Sheffield, **England**, Σεπτέμβριος 1992
- *Annual Meeting on Making Statistics More Effective in Business Schools*, University of Tennessee, Knoxville, **Tennessee**, Ιούνιος 1992
- *48th Session of the International Statistical Institute*, Cairo, **Egypt**, Σεπτέμβριος 1991
- *First International Symposium on Uncertainty Modeling and Analysis*, Maryland, **USA**, Δεκέμβριος 1990
- *2nd World Congress of the Bernoulli Society and 53rd Annual Meeting of the Institute of Mathematical Statistics*, Uppsala, **Sweden**, Αύγουστος 1990
- *XVth International Biometric Conference*, Budapest, **Hungary**, Ιούλιος 1990
- *First World Conference on Computational Statistics and Data Analysis*, Shizuoka, **Japan**, Σεπτέμβριος 1987
- *46th Session of the International Statistical Institute*, Tokyo, **Japan**, Σεπτέμβριος 1987
- *17th European Meeting of Statisticians*, **Thessaloniki**, Greece, Αύγουστος 1987
- *1st International Conference on Fibonacci Numbers and their Applications*, **Patras**, Greece, Αύγουστος 1984
- *7th Balkan Congress of Mathematicians*, **Athens**, Greece, Δεκέμβριος 1983
- *The 1982 Spring Meeting (179th Meeting) of the Institute of Mathematical Statistics and the Biometric Society*, San Antonio, **Texas**, USA, Μάρτιος 1982

- *The 1981 Annual Meeting of the American Statistical Association and the Biometric Society*, Detroit, **Michigan**, USA, Αύγουστος 1981
- *The 1981 Annual Meeting (177th Meeting) of the Institute of Mathematical Statistics*, Vail, **Colorado**, USA, Αύγουστος 1981
- *Stochastic Modeling Conference*, **Dublin**, Ireland, Μάϊος 1980. (Organized by the Department of Statistics, Trinity College, University of Dublin)
- *42nd Session on the International Statistical Institute*, Manila, **Philippines**, Δεκέμβριος 1979 (Organized by the International Statistical Institute)
- *6th Conference on Probability Theory*, Brasov, **Romania**, Σεπτέμβριος 1979. (Organized by the Centre of Mathematical Statistics of Bucharest and the Romanian Academy)
- *Colloquium on Analytic Function Methods in Probability Theory*, Debrecen, **Hungary**, Σεπτέμβριος 1977. (Organized by the Bolyai Janos Mathematical Society of Hungary)
- *10th European Meeting of Statisticians*, Leuven, **Belgium**, Αύγουστος 1977. (Organized by the Bernoulli Society for Probability and Mathematical Statistics)

Γ. ΑΛΛΕΣ ΔΡΑΣΤΗΡΙΟΤΗΤΕΣ ΣΕ ΔΙΕΘΝΗ ΣΥΝΕΔΡΙΑ

- *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

ΜΕΛΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΟΡΓΑΝΩΣΕΩΝ

- **Member** of 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
- **Μέλος** της Ελληνικής Μαθηματικής εταιρείας
- **Μέλος** του Ελληνικού Στατιστικού Ινστιτούτου

ΔΙΑΤΡΙΒΕΣ

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)

ΕΡΕΥΝΗΤΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ ΚΑΙ ΔΗΜΟΣΙΕΥΣΕΙΣ

A. Βιβλία από Διεθνείς Εκδοτικούς Οίκους

- 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. Εργασίες σε Διεθνή Περιοδικά και Συλλογικούς Τόμους

66. *E. Xekalaki.* (2015). “Under- and Overdispersion”. Wiley StatsRef: Statistics Reference Online. 1-9.
65. *E. Xekalaki.* (2014). “On The Distribution Theory of Over-Dispersion”. **Journal of Statistical Distributions and Applications**, 1(19), on line version DOI: 10.1186/s40488-014-0019-z
64. *M. Perakis and E. Xekalaki.* (2014). “On the Relationship Between Process Capability Indices and the Proportion of Conformance”. **Quality Technology and Quantitative Management**, Special Issue on "Process Capability Analysis" (To appear)
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. Zografis.* (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). "Letter to the Editor. Comments on the Paper of Shan et al.: 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 Distributions 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 Measures 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 Arizing 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 and **Theory of Probability and Its Applications**, 33(1), 191-195
23. *E. Xekalaki* (1987). "A Method of Obtaining the Probability Distribution of m Components Conditional on l 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 (6), 313-318
17. *J. Panaretos and E. Xekalaki* (1986). "On Generalized Binomial and Multinomial 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 (3), 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 Properties". **Applications Matematyki**, 18 (1), 35-41
4. *E. Xekalaki* (1983). "Infinite Divisibility, Completeness and Regression Properties of the Univariate 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

Γ. Εργασίες σε Πρακτικά Διεθνών Συνεδρίων

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
19. *S. Degiannakis & E. Xekalaki* (2001). "Measuring the Predictive Accuracy of the Correlated Gamma Ratio Method for Model Selection", **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 732-739
18. *D. Demetrakopoulou & E. Xekalaki* (2001). "On Analysing Demand and Making Inventory Decisions", **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 747-754
17. *A. Limakopoulou & E. Xekalaki* (2001). "A Classification of Statistical Approaches to Experimental Carcinogenesis", **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 790-795
16. *N. Yiokari, E. Xekalaki & D. Karlis* (2001). "On Some Discrete-Valued Time Series Models Based on Mixtures and Thinning", **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 872-877
15. *M. Perakis & E. Xekalaki* (2001). "A New Method for Constructing Confidence Intervals for The Index Cpm", **Proceedings of the 5th Hellenic-European Conference** on Computer Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 832-838
14. *D. Karlis & E. Xekalaki* (2001). "ML Estimation For Integer Valued Time Series Models", **Proceedings of the 5th Hellenic-European Conference** on Computer

- Mathematics and its Applications, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 778-783
13. *M. Zografī & E. Xekalaki* (2001). "The Generalized Waring Process", **Proceedings of the 5th Hellenic-European Conference on Computer Mathematics and its Applications**, September 2001, Athens, Greece, E.A. Lypitakis (ed.), 886-893
 12. *M. Perakis and E. Xekalaki* (1998). "Statistical Inference on Process Capability Indices", **Proceedings of the 4th Hellenic European Conference on Computer Mathematics and its Applications**, September 1998, Athens, Greece, E.A. Lypitakis (ed.), 549-556
 11. *M. Perakis and E. Xekalaki* (1998). "Diagnostic Techniques for Regression Models". Technical Report no 55, Department of Statistics, Athens University of Economics and Business. Also, **Proceedings of the 4th Hellenic European Conference on Computer Mathematics and its Applications**, September 1998, Athens, Greece, E.A. Lypitakis (ed.), 612-619
 10. *D. Karlis and E. Xekalaki* (1998). "An Improvement of the EM Algorithm for Finite Poisson Mixtures" **Proceedings of the 4th Hellenic European Conference on Computer Mathematics and its Applications**, September 1998, Athens, Greece, E.A. Lypitakis (ed.), 596-603
 9. *E. Xekalaki and D. Karlis* (1998). "Conditions for Zero Values of the Likelihood Ratio Test When Testing for a Poisson Mixture" **Proceedings of the 13th International Workshop on Statistical Modelling**, New Orleans, Louisiana, USA, July 1998, B. Marx & H. Friedl (eds.) 396-403
 8. *J. Panaretos, S. Psarakis and E. Xekalaki* (1998). "On a Distribution Arising in the Context of Comparative Model Performance Evaluation Problems" **Proceedings of the 13th International Workshop on Statistical Modelling**, New Orleans, Louisiana, USA, July 1998, B. Marx & H. Friedl (eds.) 470-473
 7. *E. Xekalaki and D. Karlis* (1995). "Testing Hypotheses in Poisson Family Distributions". **Proceedings of the 51th World Conference of the International Statistical Institute**, Beijing, China, August 1995
 6. *E. Xekalaki* (1990). "On an Inventory Decision Model with Pareto Distributed Demands". **Proceedings of the First International Symposium on Uncertainty Modeling and Analysis**, College Park, Maryland, IEEE Computer Society Press, 474-476
 5. *E. Xekalaki* (1988). "The Random Component in Inventory Control Models". (In Greek). **Proceedings of the 2nd National Meeting of the Greek Statistical Institute**, Athens, 76-82
 4. *E. Xekalaki* (1987). "On Some Estimation Procedure for Long-Tailed Generalized Waring Distribution". **Proceedings of the First World Conference on Computational Statistics and Data Analysis**, Shizuoka, Japan, International Association of Statistical Computing, 89-96
 3. *E. Xekalaki* (1987). "Some Estimation Aspects in Connection with Underreporting of Accident or Income Data". **International Statistical Institute, Bulletin. (Proceedings of the 47th session of the ISI, Tokyo, Japan)**, 479-480
 2. *E. Xekalaki* (1979). "A Characterization of the Negative Hypergeometric Distribution Based on Conditional Expectation". **Proceedings of the 6th Conference on Probability Theory**, Brasov, Romania. B. Bereanu et al. (eds.), Editure Academii Republicii Socialiste Romania, 379-384

3. *E. Xekalaki and J. Panaretos (1979). "Characterization of the Compound Poisson Distribution". **International Statistical Institute Bulletin**, 48, 577-580*

Λ. Technical Reports

67. *Xekalaki, E. and Degiannakis, S. (2013). "On a Distribution Arising in the Context of Model Evaluation and Selection", Technical Report no 270, Department of Statistics, Athens University of Economics and Business, June 2013*
66. *Xekalaki, E. and Zografí, M. (2013). "Modeling Spatial Overdispersion via the Generalized Waring Process", Technical Report no 269, Department of Statistics, Athens University of Economics and Business, May 2013*
65. *Xekalaki, E. and Degiannakis, S. (2013). "A Predictive Ability Based Model Selection Method", Technical Report no 268, Department of Statistics, Athens University of Economics and Business, April 2013*
64. *Xekalaki, E. and Zografí, M. (2010). "An Extension of the Generalized Waring Process on a Metric Space", Technical Report no 253, Department of Statistics, Athens University of Economics and Business, February 2010*
63. *Xekalaki, E. and Malesios, C. (2009). "Evaluating the Impact of the ECC09 on the People Involved through a Statistical Modeling Approach", Technical Report no 252, Department of Statistics, Athens University of Economics and Business, December 2009*
62. *Xekalaki, E. and Zografí, M. (2009). "Conditional intensity and Janossy density of the Generalized Waring Process", Technical Report no 251, Department of Statistics, Athens University of Economics and Business, September 2009*
61. *Xekalaki, E. (2009). "A Good Fit of Pearson Type VI Distributions; But Why?", Technical Report no 250, Department of Statistics, Athens University of Economics and Business, August 2009*
60. *Xekalaki, E. and Zografí, M. (2009). "Simulating data from the Generalized Waring point process in R²", Technical Report no 249, Department of Statistics, Athens University of Economics and Business, July 2009*
59. *Xekalaki, E. (2009). "On the interplay between partially unobserved branching processes and their observable parts", Technical Report no 248, Department of Statistics, Athens University of Economics and Business, June 2009*
58. *Xekalaki, E. and Degiannakis, S. (2004). "The Distribution of the Minimum of the Components of a Vector Having a Multivariate Gamma Distribution", Technical Report no 214, Department of Statistics, Athens University of Economics and Business, December 2004*
57. *Xekalaki, E. and Degiannakis, S. (2004). "A Comparison of the Standardized Prediction Error Criterion With Other ARCH Model Selection Criteria", Technical Report no 205, Department of Statistics, Athens University of Economics and Business, March 2004*
56. *Xekalaki, E. (2003). "Over and Under Dispersion", Technical Report no 200, Department of Statistics, Athens University of Economics and Business, February 2003*
55. *Karlis, D. and Xekalaki, E. (2003). "Mixed Poisson Distributions", Technical Report no 199, Department of Statistics, Athens University of Economics and Business, February 2003*
54. *Degiannakis, S. and Xekalaki, E. (2003). "A Conjecture on the Independence of the Standardized One-Step Ahead Prediction Errors of the ARCH Model",*

- Technical Report no 198, Department of Statistics, Athens University of Economics and Business, February 2003
53. *Degiannakis, S. and Xekalaki, E.* (2003). “Autoregressive Conditional Heteroskedasticity (ARCH) Models: A Review”, Technical Report no 197, Department of Statistics, Athens University of Economics and Business, February 2003
 52. *Degiannakis, S. and Xekalaki, E.* (2002). “Using the Prediction Error Criterion as a Selection Method in Forecasting Option Prices: A Simulation Approach”, Technical Report no 191, Department of Statistics, Athens University of Economics and Business, October 2002
 51. *Zachariou, S. and Xekalaki, E.* (2002). “Non-Response in the Labour Force Survey. Methoda for the Study of its Effects in the Estimation of the Size of Economical Immigrants”, Technical Report no 190, Department of Statistics, Athens University of Economics and Business, October 2002 (In greek)
 50. *Strigkou, S. and Xekalaki, E.* (2002). “Statistical Analysis of Clinical and Laboratory Data on Patients with Cancer of the Stomach”, Technical Report no 189, Department of Statistics, Athens University of Economics and Business, October 2002 (In greek)
 49. *Limakopoulou, A. and Xekalaki, E.* (2002). “A classification of Statistical approaches to Experimental Carcinogenesis”, Technical Report no 184, Department of Statistics, Athens University of Economics and Business, October 2002
 48. *Konomos, G. and Xekalaki, E.* (2002). “An Epidemiology Study of the Risk Factory in Pathological Cases of Myoskeletal Pain”, Technical Report no 183, Department of Statistics, Athens University of Economics and Business, October 2002 (In greek)
 47. *Efthymiopoulos P. and Xekalaki, E.* (2002). “Statistical Analysis of Symptomatology and Treatment Data on Male Patients Suffering from a Benign Hypertrophy of the Prostate”, Technical Report no 182, Department of Statistics, Athens University of Economics and Business, September 2002 (In greek)
 46. *Xekalaki, E. and Perakis, M.* (2002). “The Use of Principal Components Analysis in the Assessment of Process Capability Indices”, Technical Report no 168, Department of Statistics, Athens University of Economics and Business, April 2002
 45. *Perakis, M. and Xekalaki, E.* (2002). “A Bayesian Technique for Assessing Probabilities Connected With the Yield of a Process”, Technical Report no 167, Department of Statistics, Athens University of Economics and Business, March 2002
 44. *Perakis, M., Maravelakis, P., Psarakis, S., Xekalaki, E. and Panaretos, J.* (2001). “On Certain Indices for Ordinal Data with Unequally Weighted Classes”, Technical Report no 161, Department of Statistics, Athens University of Economics and Business, December 2001
 43. *Perakis, M. and Xekalaki, E.* (2001). “On the Relationship Between Capability Indices and the Yield of a Process”, Technical Report no 159, Department of Statistics, Athens University of Economics and Business, October 2001
 42. *Perakis, M. and Xekalaki, E.* (2001). “On an Alternative Approximation of the Critical Values for Tests on the Process Capability Indices CPL and CPU”, Technical Report no 158, Department of Statistics, Athens University of Economics and Business, October 2001

41. *Xekalaki, E. and Michalakopoulos, V. (2001). "Using Sampling Techniques to Estimate the De Jure Population of Greece and Apportion Parliament Seats Among Electoral Districts", Technical Report no 148, Department of Statistics, Athens University of Economics and Business, July 2001*
40. *Perakis, M. and Xekalaki, E. (2001). "Quantifying the Capability of a Process in Terms of the Proportion of its Conformance", Technical Report no 134, Department of Statistics, Athens University of Economics and Business, March 2001*
39. *Degiannakis, S. and Xekalaki, E. (2001). "Assessing the Performance of a Prediction Error Criterion Model Selection Algorithm", Technical Report no 133, Department of Statistics, Athens University of Economics and Business, March 2001*
38. *Karlis, D. and Xekalaki, E. (2001). "On Implementing the EM Algorithm in Finite Poisson Mixtures", Technical Report no 132, Department of Statistics, Athens University of Economics and Business, March 2001*
37. *Degiannakis, S. and Xekalaki, E. (2001). "Using a Prediction Error Criterion for Model Selection in Forecasting Option Prices", Technical Report no 131, Department of Statistics, Athens University of Economics and Business, March 2001*
36. *Perakis, M. and Xekalaki, E. (2001). "Capability Indices for Discrete Processes: The Poisson Case", Technical Report no 130, Department of Statistics, Athens University of Economics and Business, March 2001*
35. *Dimitrakopoulou, D. and Xekalaki, E. (2001). "On Analysing Demand and Making Inventory Decisions", Technical Report no 129, Department of Statistics, Athens University of Economics and Business, March 2001*
34. *Perakis, M. and Xekalaki, E. (2001). "On An Improvement in Confidence Limits for the Proportion of the Conformance", Technical Report no 128, Department of Statistics, Athens University of Economics and Business, February 2001*
33. *Limakopoulou, A. and Xekalaki, E. (2001). "A Classification of Statistical Approaches to Experimental Carcinogenesis", Technical Report no 127, Department of Statistics, Athens University of Economics and Business, February 2001*
32. *Yiokari, N., Xekalaki, E. and Karlis, D. (2001). "On Some Discrete-Valued Time Series Models Based on Mixtures and Thinning", Technical Report no 126, Department of Statistics, Athens University of Economics and Business, February 2001*
31. *Perakis, M. and Xekalaki, E. (2001). "A New Method for Constructing Confidence Intervals for The Index C_{pm} ", Technical Report no 125, Department of Statistics, Athens University of Economics and Business, February 2001*
30. *Maravelakis, P. and Xekalaki, E. (2001). "On the Estimation of the Distribution of the Summand Variables in Poisson Stopped Sums", Technical Report no 124, Department of Statistics, Athens University of Economics and Business, February 2001*
29. *Zografí, M. and Xekalaki, E. (2001). "The Generalized Waring Process", Technical Report no 121, Department of Statistics, Athens University of Economics and Business, January 2001*
28. *Karlis, D. and Xekalaki, E. (2000). "On Some Distributions Arising from the Triangular Distribution". Technical Report no 111. Department of Statistics, Athens University of Economics and Business, August 2000*

27. *Perakis, M. and Xekalaki, E. (1999). "Process Capability Indices for the Exponential, the Chi-Square and the Lognormal Distribution". Technical Report no 90. Department of Statistics, Athens University of Economics and Business, August 1999*
26. *Karlis, D. and Xekalaki, E. (1999). "The Polygonal Distribution". Technical Report no 88. Department of Statistics, Athens University of Economics and Business, July 1999*
25. *Liva, P. and Xekalaki, E. (1999). "Making Predictions of the Consumer Price Index and its Subvisions With Applications to Greek Data". Technical Report no 82. Department of Statistics, Athens University of Economics and Business, July 1999*
24. *Perakis, M. and Xekalaki, E. (1999). "A New Process Capability Index That is Based on the Proportion of Conformance". Technical Report no 77. Department of Statistics, Athens University of Economics and Business, July 1999*
23. *Yiokari, N. and Xekalaki, E. (1999). "Discrete Time Series Models With Application to Epileptic Seizures". Technical Report no 74. Department of Statistics, Athens University of Economics and Business, July 1999*
22. *Degiannakis, S. and Xekalaki, E. (1999). "Predictability and Model Selection in the Context of ARCH Models". Technical Report no 69. Department of Statistics, Athens University of Economics and Business, July 1999*
21. *Karlis, D. and Xekalaki, E. (1999). "Maximum Likelihood Estimation for the Poisson-Binomial Distribution via the EM Algorithm with Applications to Discrete Time Series Models". Technical Report no 62. Department of Statistics, Athens University of Economics and Business, March 1999*
20. *Perakis, M. and Xekalaki, E. (1998). "On a Refinement of Certain Process Capability Indices". Technical Report no 56, Department of Statistics, Athens University of Economics and Business, August 1998*
19. *Perakis, M. and Xekalaki, E. (1998). "Diagnostic Techniques for Regression Models". Technical Report no 55, Department of Statistics, Athens University of Economics and Business, August 1998*
18. *Karlis, D. and Xekalaki, E. (1998). "Choosing Initial Values for the EM Algorithm for Mixtures: A Simulation Comparison". Technical Report no 52, Department of Statistics, Athens University of Economics and Business, August 1998*
17. *Karlis, D. and Xekalaki, E. (1998). "A Simulation Comparison of Several Tests for the Poisson Distribution". Technical Report no 51, Department of Statistics, Athens University of Economics and Business, August 1998*
16. *Karlis, D. and Xekalaki, E. (1998). "The Moment Method Applied to Finite Poisson Mixtures: Existence and Efficiency Results". Technical Report no 50, Department of Statistics, Athens University of Economics and Business, August 1998*
15. *Karlis, D. and Xekalaki, E. (1998). "Robust Testing and Diagnostics for Finite Poisson Mixtures". Technical Report no 49, Department of Statistics, Athens University of Economics and Business, August 1998*
14. *Dimaki, C. and Xekalaki, E. (1998). "Identifying the Yule Distribution by Properties of Certain Reliability Measures". Technical Report no 42, Department of Statistics, Athens University of Economics and Business, May 1998*
13. *Panaretos, J.; Psarakis S. and Xekalaki, E. (1997). "The Correlated Gamma-Ratio Distribution in Model Evaluation and Selection". Technical Report no 33,*

- Department of Statistics, Athens University of Economics and Business, November 1997
12. *Dimaki, C. and Xekalaki, E.* (1997). “Characterizations of the Bivariate Yule Distribution”. Technical Report no 32, Department of Statistics, Athens University of Economics and Business, August 1997
 11. *Dimaki, C. and Xekalaki, E.* (1997). “Characterizations of Certain Discrete Distributions in the Context of Size Biased Sampling”. Technical Report no 31, Department of Statistics, Athens University of Economics and Business, May 1997
 10. *Karlis, D. and Xekalaki, E.* (1997). “Minimum Hellinger Distance Estimation for Finite Poisson Mixtures”. Technical Report no 28, Department of Statistics, Athens University of Economics and Business, January 1997
 9. *Karlis, D. and Xekalaki, E.* (1997). “Testing for Finite Mixtures via the Likelihood Ratio Test”. Technical Report no 27, Department of Statistics, Athens University of Economics and Business, January 1997
 8. *Karlis, D. and Xekalaki, E.* (1996). “A Note on the Maximum Likelihood Estimation of the Parameters of Finite Poisson Mixtures”. Technical Report no 24, Department of Statistics, Athens University of Economics and Business, April 1996
 7. *Karlis, D. and Xekalaki, E.* (1996). “The Power of the LRT for Finite Poisson Mixtures”. Technical Report no 23, Department of Statistics, Athens University of Economics and Business, April 1996
 6. *Karlis, D. and Xekalaki, E.* (1995). “On Testing for the Number of Components in a Mixed Poisson Model”. Technical Report no 21, Department of Statistics, Athens University of Economics and Business, August 1995
 5. *Kalashnikov, V.; Nagaev, A. and Xekalaki, E.* (1995). “Estimates of Ruin Probabilities”. Technical Report no 16, Department of Statistics, Athens University of Economics and Business, March 1995
 4. *Xekalaki, E. and Panaretos, J.* (1995). “Replenishing Stock under Uncertainty”. Technical Report no 15, Department of Statistics, Athens University of Economics and Business, January 1995
 3. *Xekalaki, E.* (1994) “Demand Forecast and Inventory Planning”. Technical Report no 14, Department of Statistics, Athens University of Economics and Business, December 1994
 2. *Dimaki, C. and Xekalaki, E.* (1994). “Towards a Unification of Certain Characterizations by Conditional Expectations”. Technical Report no 13, Department of Statistics, Athens University of Economics and Business, November 1994
 1. *Dimaki, C. and Xekalaki, E.* (1992). “Characterizations of the Pareto Distribution Based on Order Statistics”. Technical Report no 1, Department of Statistics, Athens University of Economics and Business, March 1992

E. Εργασίες που Παρουσιάστηκαν σε Διεθνή Συνέδρια

26. *Xekalaki, E. & Degiannakis, S.* (2013). “A Predictive Ability Based Model Selection Method”. Paper presented at the **59th World Statistics Congress of the International Statistical Institute**, Hong Kong, August 25-30, 2013

25. *Xekalaki, E.* (2009). "A Good Fit of Pearson Type VI Distributions; But Why?" Paper presented at the **57th session of the International Statistical Institute**, Durban, South Africa, August 16-22, 2009
24. *Fishkin, James S.; Luskin, Robert C., Panaretos, John; Xekalaki, Evdokia & Siu, Alice* (2008). "Returning Deliberative Democracy to Athens: Deliberative Polling for Candidate Selection". Paper presented at the **2008 annual meeting of the American Political Science Association**. Boston, August 2008
23. *Xekalaki, E. & Zografis M.* (2007). "A Compound Poisson Process". Paper presented at the **7th Annual Hawaii International Conference on Business**. Hawaii, May 2007.
22. *Karlis, D. & Xekalaki, E.* (2006). "The Polygonal Distribution". Paper presented at the **International Conference on Mathematical and Statistical Modeling in Honor of Enrique Castillo (ICMSM 2006)**, Ciudad Real, Spain, June 28-30, 2006
21. *Xekalaki, E.* (2005). "Standardized Prediction Error Criterion (SPEC) Algorithm for ARCH Model Selection in Forecasting Option Prices". Paper presented at the **25th European Meeting of Statisticians**, Oslo, Norway, July 2005
20. *Xekalaki, E.* (2003). "On Modeling Overdispersion and Underdispersion". Paper to be presented at the **Joint Statistical Meetings of the American Statistical Association**, The Institute of Mathematical Statistics, The Canadian Statistical Society, San Francisco, August 2003
19. *Xekalaki, E. & Perakis, M.* (2002). "The Use of Principal Component Analysis in the Assessment of Process Capability Indices". Paper presented at the **Joint Statistical Meetings of the American Statistical Association**, The Institute of Mathematical Statistics, The Canadian Statistical Society, New York, August 2002
18. *Karlis, D. & Xekalaki, E.* (2001). "On the Implementation of the EM Algorithm for Finite Mixtures". Paper presented at the **International Conference "Mixtures 2001"**, Germany, August 2001
17. *Michalakopoulos, V. & Xekalaki, E.* (2001). "Using Sampling Techniques To Estimate The De Jure Population of Greece and Apportion Parliament Seats Among Electoral Districts". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
16. *Degiannakis, S. & Xekalaki, E.* (2001). "Using the Correlated Gamma Ratio Distribution in Forecasting Option Prices". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
15. *Degiannakis, S. & Xekalaki, E.* (2001). "Measuring the Predictive Accuracy of the Correlated Gamma Ratio Method for Model Selection". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
14. *Demetrakopoulou, D. & Xekalaki, E.* (2001). "On Analysing Demand and Making Inventory Decisions". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
13. *Limakopoulou, A. & Xekalaki, E.* (2001). "A Classification of Statistical Approaches to Experimental Carcinogenesis". Paper presented at the **5th Hellenic-**

- European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
12. *Yiokari, N., Xekalaki, E. & Karlis, D.* (2001). "On Some Discrete-Valued Time Series Models Based on Mixtures and Thinning". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
 11. *Perakis, M. & Xekalaki, E.* (2001). "A New Method for Constructing Confidence Intervals for The Index Cpm". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
 10. *Karlis D. & Xekalaki E.* (2001). "ML Estimation For Integer Valued Time Series Models". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
 9. *Zografı M. & Xekalaki E.* (2001). "The Generalized Waring Process". Paper presented at the **5th Hellenic-European Conference on Computer Mathematics and its Applications**, Athens University of Economics and Business, Athens, Hellas, September 20-22, 2001
 8. *Yiokari, N. and Xekalaki, E.* (1999). "Discrete Time Series Models With Application to Epileptic Seizures". Paper presented at the **SESS-TIES '99 International Conference, "Environmetrics and Statistics in the Earth and Space Sciences"**, Athens, Greece, August 1999
 7. *Perakis, M. and Xekalaki, E.* (1999). "A New Process Capability Index That is Based on the Proportion of Conformance". Paper presented at the **SESS-TIES '99 International Conference, "Environmetrics and Statistics in the Earth and Space Sciences"**, Athens, Greece, August 1999
 6. *Liva, P. and Xekalaki, E.* (1999). "Making Predictions of the Consumer Price Index and its Subvisions With Applications to Greek Data". Paper presented at the **SESS-TIES '99 International Conference, "Environmetrics and Statistics in the Earth and Space Sciences"**, Athens, Greece, August 1999
 5. *Karlis, D. and Xekalaki, E.* (1999). "Maximum Likelihood Estimation for the Poisson-Binomial Distribution via the EM Algorithm with Applications to Discrete Time Series Models". Paper presented at the **SESS-TIES '99 International Conference, "Environmetrics and Statistics in the Earth and Space Sciences"**, Athens, Greece, August 1999
 4. *Degiannakis, S. and Xekalaki, E.* (1999). "Predictability and Model Selection in the Context of ARCH Models". Paper presented at the **SESS-TIES '99 International Conference, "Environmetrics and Statistics in the Earth and Space Sciences"**, Athens, Greece, August 1999
 3. *Dellaportas, P., Karlis, D., Xekalaki, E.* (1997). "Bayesian analysis of finite Poisson mixtures". Paper presented in **4th Practical Bayesian Statistics Conference**, Nottingham, July 1997
 2. *Dimaki, C. and Xekalaki, E.* (1992). "Identifying Life Distributions by Properties of the Associated Hazard Rate and Mean Residual Life". Paper presented at the **20th European Meeting of Statisticians**, Bath, England, September 1992
 1. *Dimaki, C. and Xekalaki, E.* (1992). "Characterizations of Certain Discrete Distributions in the Context of Size Biased Sampling. Paper presented at the

ΔΙΔΑΚΤΙΚΑ ΕΓΧΕΙΡΙΔΙΑ

Συγγραφέας (ή συν-συγγραφέας) των εξής διδακτικών εγχειριδίων:

- *Μη Παραμετρική Στατιστική*, Αθήνα 2001
- *Βιοστατιστική και Επιδημιολογία (Πανεπιστημιακές Παραδόσεις)*, Αθήνα, 2001
- *Εισαγωγή στη Στατιστική Σκέψη*, vol. II (Εκτιμητική και Έλεγχοι Υποθέσεων), Αθήνα, 2000
- *Θεωρία Κατανομών: Μετασχηματισμοί Μεταβλητών (Πανεπιστημιακές Παραδόσεις)*, Αθήνα, 1999
- *Εισαγωγή στη Στατιστική Σκέψη* vol. I (Περιγραφική Στατιστική), Αθήνα, 1997
- *Ειδικά Θέματα Μη Παραμετρικής Στατιστικής*, Αθήνα, 1996
- *Εισαγωγή στη Στατιστική Σκέψη, Συμπλήρωμα* (Γραμμική Παλινδρόμηση, Μη Παραμετρική Στατιστική, Ανάλυση Χρονολογικών Σειρών, Θεωρία Αποφάσεων), Αθήνα, 1996
- *Εισαγωγή στην Πολυμεταβλητή Στατιστική Ανάλυση*, Αθήνα, 1995
- *Εισαγωγή στις Πιθανότητες και τη Στατιστική Συμπερασματολογία*, Αθήνα, 1995
- *Εισαγωγή στη Στατιστική Σκέψη, Αριθμοδείκτες*, Αθήνα, 1995
- *Εισαγωγή στις Πιθανότητες και τη Στατιστική Σκέψη*, Αθήνα, 1995
- *Τεχνικές Δειγματοληψίας*, Αθήνα, 1995
- *Γραμμική Άλγεβρα για Στατιστικές Εφαρμογές*, Αθήνα, 1994
- *Πιθανότητες και Στοιχεία Στοχαστικών Ανελιζέων*, Αθήνα, 1993
- *Θεωρητική Στατιστική*, Αθήνα, 1993