

# CURRICULUM VITAE

Ismihan Bayramoglu, Izmir University of Economics, Izmir, Turkey

Family name                    BAYRAMOGLU    (Bairamov)  
First name                     ISMIHAN

## Education History:

Ph.D.(1988) Kiev State University, Faculty of Cybernetics, Department of Computational Mathematics.  
Dissertation: "Invariant Confidence Intervals and Statistical Criteria Based on Training Samples "  
Master, BSc (1981) Azerbaijan State University, Faculty of Applied Mathematics

## Work History:

- ♦ Prof. Dr. Izmir University of Economics, Dean Faculty of Arts and Sciences, Chair Department of Mathematics, 2001-
- ♦ Prof.Dr., Faculty of Science , Department of Statistics, Ankara University, 1993-2001.
- ♦ Azerbaijan National Aerospace Agency (1989-1993) Scientist, Senior Scientist, Leading Scientist.
- ♦ Azerbaijan National Aerospace Agency (1983-1989), Scientist.
- ♦ Azerbaijan State University, Faculty of Mathematics and Azerbaijan Petrol Academy (1988-1993), Lecturer
- ♦ Azerbaijan Academy of Sciences, Institute of Cybernetics, (1981-1983), Assistant Scientist

**Memberships:** Elected Member of the International Statistical Institute (Fellow 1999)

**Research Interest :** Theory of Probability, Theory of Statistics, Stochastic Processes, Measure Theory and Reel Analysis, Nonparametric Statistics, Characterization of Distributions, Record Theory, Asymptotical Methods in Probability and Statistics, Multivariate Distributions and Copulas.

**Awards:** Scientific Prize of Ankara University 2000-2001

## Editorship

**Guest Editor: Special issue of *Communications in Statistics-Theory and Methods* on Ordered Statistical Data: Approximations, Bounds and Characterizations, Vol. 36, Number 8 (June).**

**Guest Editor: Special issue of *Journal of Computational and Applied Mathematics*, Volume 235, Issue,16, 2011**  
(with O.L.Gebizlioglu and Ersan Akyıldız)

### Associate Editor:

-*JOURNAL OF APPLIED STATISTICAL SCIENCE*, Nova Science Publ.,USA  
-*JOURNAL OF STATISTICAL THEORY AND APPLICATIONS*, Gowas Publishing House, USA  
-*SELCUK JOURNAL OF APPLIED MATHEMATICS*, Turkey  
-*COMMUNICATIONS IN STATISTICS-THEORY AND METHODS*, Taylor and Francis. 2009-  
-*COMMUNICATIONS IN STATISTICS- SIMULATION AND COMPUTATION*, Taylor and Francis. 2009-  
-*JOURNAL IN ADVANCED RESEARCH IN STATISTICS AND PROBABILITY*. Institute of Advanced Scientific Research  
-*THE OPEN STATISTICS AND PROBABILITY JOURNAL*. Bentham Open  
-*JOURNAL OF MATHEMATICS-HINDAWI*

**Editor-in-Chief:** *ISTATISTIK*. Journal of the Turkish Statistical Association,

## PUBLICATIONS

Tavangar, M. and Bayramoglu, I. (2015) On conditional residual lifetime and conditional inactivity time of k-out-of-n systems. *Reliability Engineering & System Safety*. 225-233.

Kemalbay, G. and Bayramoglu, I. (2015) Joint distribution of new sample rank of bivariate order statistics. *Journal of Applied Statistics*. Vol. 42, No. 10, 2280-2289.

Gurler, S., Hudaverdi, B. and Bairamov, I. (2015) On the remaining strength at the system level for some bivariate survival models based on exponential distribution. *Journal of Computational and Applied Mathematics*. Vol. 290, 535-542.

Bayramoglu (Bairamov), I. and Ozkut, M. (2015) The reliability of coherent systems subjected to Marshall-Olkin type shocks. *IEEE Transactions on Reliability*. Vol. 64. No1, 435-443.

Bayramoglu (Bairamov), I. and Eryilmaz, S. (2015) Order statistics of dependent sequences consisting of two different sets of exchangeable variables. *Journal of Computational and Applied Mathematics*. Vol. 286, 1-6.

Bairamov, I., Gürler, S. and Hudaverdi, B. (2015) On the mean remaining strength of the k-out-of-n:F system with exchangeable components. *Communications in Statistics-Simulation and Computation*. Vol. 44, issue 1, 1-13.

Bairamov, I. and Yapakci Giner, G. (2014) Order statistics and exceedances for some models of INID random variables. *Brazilian Journal of Probability and Statistics*. Vol. 28, Issue 4, 492-514

Baranov, I. and Tavangar, M. (2014) More on Progressively Type-II order statistics for multivariate observations. *Australian and New Zealand Journal of Statistics*. Vol. 56, Issue 4, 385-394.

Bayramoglu, K. and Bairamov, I. (2014) On censored bivariate random variables: copula, characterization and estimation. *Communications in Statistics-Simulation and Computation*. 43, 2173–2185.

Ozkut, M. and Bayramoglu (Bairamov), I. (2014) On Marshall–Olkin type distribution with effect of shock magnitude . *Journal of Computational and Applied Mathematics*, 271, 150–162.

Bairamov, I., Khaledi, B.E. and Shaked, M. (2014) Stochastic comparison of order statistics and their concomitants. *Journal of Multivariate Analysis*. 124, 105-115.

Bairamov I. (2014) On conditionally independent random variables, copula and order statistics. *Communications in Statistics-Theory and Methods*. Vol. 43, issue 10-12, 2105-2117.

Bayramoglu, K. and Bairamov, I. (2014) Baker-Lin-Huang type bivariate distributions based on order statistics. *Communications in Statistics-Theory and Methods*. Vol. 43, issue 10-12, 1992-2006.

Bairamov, I. (2013) Reliability and mean residual life of complex systems with two dependent components per element. *IEEE Transactions on Reliability*. Vol. 62, 276-285.

Bairamov, I. and Kemalbay, G. (2013) Some novel discrete distributions under fourfold sampling schemes and conditional bivariate order statistics. *Journal of Computational and Applied Mathematics*. 248, 1-14.

Bairamov, I. and Stepanov, A. (2013) Number of observations near the maximum in an F-alfa scheme. *Statistics*. Vol. 47, No.1, 191-201.

Bairamov, I. and Bayramoglu, K. (2013) From the Huang-Kotz distribution to Baker's bivariate distribution. *Journal of Multivariate Analysis*. 113, 106-115

- Tavangar, M. and Bairamov, I. (2012) A Note on the residual lifetimes in a life-test under Progressive Type-II right censoring scheme. *Applied and Computational Mathematics*. N. 3, 368-377.
- Bairamov, I. (2012) Corrigendum to "Majorization bounds for distribution functions" [Statist. Probab. Lett. 82 (2012) 1799–1806], pp. 7-8.
- Bairamov, I. (2012) Majorization bounds for distribution functions. *Statistics and Probability Letters*. 82, 1799-1809.
- Eryilmaz, S. and Bayramoglu, I. (2012) On extreme residual lives after the failure of the system. *Mathematical Problems in Engineering*. Volume 2012, Article ID 342940, 11 pages.
- Tavangar, M. and Bairamov, I. (2012) On the residual lifetimes of coherent systems with exchangeable components. *Pakistan Journal of Statistics*. Vol. 28(3), 303-313.
- Bairamov, I., Altinsoy (Yağcı), B. and Kerns, G. Jay. (2011) On generalized Sarmanov bivariate distributions. *TWMS Journal of Applied and Engineering Mathematics*. Vol. 1, No. 1, 2011.
- Bairamov, I and Parsi, S. (2011) Order statistics from mixed exchangeable random variables. *Journal of Computational and Applied Mathematics*, Volume 35, Issue 16, 4629-4638..
- Bairamov, I. and Parsi, S. (2011) On flexible progressive censoring. *Journal of Computational and Applied Mathematics*, Volume 35, Issue 16, 4517-4898..
- Bairamov, I. and Stepanov, A. (2011) Numbers of near bivariate record-concomitant observations. *Journal of Multivariate Analysis*. 102, Issue 5, 908-917.
- Bairamov I (2010), Order Statistics. In: Penelope Peterson, Eva Baker, Barry McGaw, (Editors), *International Encyclopedia of Education*, Volume 7, pp. 360-365. Oxford: Elsevier.
- Bairamov, I. and Elmastas G. O. (2010) Discrete distributions connected with the bivariate binomial. *Haceteepe Journal of Mathematics and Statistics*. Volume 39(1),109-120.
- Bairamov, I. Stepanov, A. (2010) Numbers of near-maxima for the bivariate case. *Statistics and Probability Letters* ,80, 196-205. .
- Bairamov, I. Berred, A. and Stepanov, A. (2010) Limit results for ordered uniform spacings. *Statistical Papers*. 51, 227-241.
- Bairamov, I. and Ucer, B. (2009) On a dependence between random variables in a neighborhood of a particular point *Journal of Statistical Theory and Applications*. Volume, 8, No. 4, pp. 392-402
- Parsi, S. Bairamov, I. (2009) Expected values of the number of failures for two populations under joint Type-II progressive censoring. *Comput. Statist. Data. Anal*.
- Bairamov I. and Eryilmaz, S. (2009) Wating times of exceedances in random threshold models. *Statist. and Probab. Letters*. 79, 676-683.
- Gurler, S. and Bairamov, I. (2009) Parallel and k-out-of-n:G systems with nonidentical components and their mean residual life functions. *Applied Mathematical Modeling*. 33. 1116-1125.
- Bairamov I. and Eryilmaz, S. (2009) Wating times of exceedances in random threshold models. *Statistics and Probability Letters*. 79 , 676-683
- Bairamov, I. Berred, A. and Stepanov, A. (2009) Limit results for ordered uniform spacings. *Statistical Papers*. (Forthcoming)
- Bairamov, I. and Eryilmaz, S. (2008) Joint Behaviour of precedences and exceedances in random threshold models. *Australian and New Zealand Journal of Statistics*

- Bairamov, I. and Arnold, B. (2008) On the residual lifelengths of the remaining components in an  $n-k+1$  out of  $n$  system. *Statistics and Probability Letters*.78, 945-952. [PDF](#)
- Bairamov, I. and Tanil, H. (2008) Distributions of exceedances of generalized order statistics. *Statistics*, 42, Issue 1, 67-76.
- Bairamov, I. and Ozkal, T. (2007) On characterization of distributions through the properties of conditional expectations of order statistics. *Communications in Statistics-Theory and Methods*, 36,1319-1326
- Bairamov, I. and Tanil, H. (2007) On distributions of exceedances based on generalized order statistics.*Communications in Statistics—Theory and Methods*, 36: 1479–1491.
- Bairamov, I. (2007) Preface. *Communications in Statistics—Theory and Methods*, 36: 1271–1272 (Special Issue: Ordered Statistical Data)
- Bairamov, I. and Khan, M.K. (2007) On exceedances of record and order statistics. *Proceedings of the American Mathematical Society*. Volume 135, Number 6, pp. 1935-1945.
- Ismihan Bairamov and Alexei Stepanov (2006) A note on large deviations for weak records. *Statistics and Probability Letters*. 76, pp. 1449-1453.
- Ismihan Bairamov (2006) Advances in Exceedance Statistics Based on Ordered Random Variables. *Recent Developments in Ordered Random Variables*. Eds. Mohammad Ahsanullah and M.Z. Raqab. Nova Science Publishers. New York.
- Asadi M. and Bayramoglu I. (2006) The Mean Residual Lifetime and Mean Past Lifetime of  $k$ -out-of- $n$ -Structures at the System Level. *Recent Developments in Ordered Random Variables*. Eds. Mohammad Ahsanullah and M.Z. Raqab. Nova Science Publishers. New York.
- Asadi, M. and Bayramoglu, I. (2006) The mean residual life function of a  $k$ -out-of-  $n$  structure at the system level. *IEEE Transactions on Reliability*. Vol. 55, No. 2, June.
- Bairamov, I. (2006) Progressive Type II censored order statistics for multivariate observations. *Journal of Multivariate Analysis*. 97, 797-809.
- Bairamov I.G. and Eryilmaz S. (2006) Spaciings, exceedances and concomitants in progressive type II censoring scheme. *Journal of Statistical Planning and inference*. 136, pp. 527-536.
- Bairamov I., Ahsanullah M. and Anthony Pakes (2005) A characterization of continuous distributions via regression of pairs of record values. *Australian and New Zealand Journal of Statistics*.47 (4), 543-547.
- Arslan, G., Ahsanullah, M. and Bayramoglu, I. (2005) On Characteristics Properties of Uniform Distribution. *Sankhya: The Indian Journal of Statistics*. Volume 67, Part 4, pp 717-723.
- Balakrishnan, N., Bairamov, I. and O.L. Gebizlioglu.(2005) *Advances on Models, Characterizations and Applications*. Chapman and Hall/CRC.
- Asadi M. and Bairamoglu I. (2005) A Note on the Mean Residual Life Function of a Parallel System. *Communications in Statistics*. Vol. 34, Issue 2 . pp. 475-485.
- O. Ege Oruc and I. Bayramoglu (2005) On the general class of two sided power distribution. *Communications in Statistics*. Vol. 34, Issue 5. 34, 1009-1017.

Bairamov I. and Eryilmaz S. (2004) Characterization of symmetry and exceedance models in multivariate FGM distributions. *Journal of Applied Statistical Science*. Vol. 13, Number 2, pp. 87-99.

Bairamov I.G., Kotz S. and Kozubovski T. (2003) A new measure on linear local dependence. *Statistics*. Vol. 37(3), pp. 243-258.

Eryilmaz, S. and Bairamov, I.G. (2003). On a new sample rank of an order statistic and its concomitant. *Statistics & Probability Letters*, 63, pp. 123-131.

Bairamov, I. and Kotz, S (2003) On a new family of positive quadrant dependent bivariate distributions. *International Mathematical Journal*. Vol. 3, No. 11.

Bairamov I.G. and Kotz S. (2002) Dependence structure and symmetry of Huang -Kotz FGM distributions and their extensions. *Metrika*, 56 /1, 55-72 Springer.

Bairamov I.G., Ahsanullah M. and Akhundov I. (2002) A residual life function of a system having parallel or series structure. *J. Statist. Theor. Appl.* , Vol 1, No 2.

Bairamov I.G. and Kotz S. (2001) On distributions of exceedances associated with order statistics and record values for arbitrary distributions. *Statistical Papers*. Volume 42, Issue 2, pp 171-185. Springer.

Bairamov I.G. , Gebizlioglu O.L. and Kaya M.F. (2001) Asymptotic Distributions of Statistics Based on Order Statistics and Record Values and Invariant Confidence Intervals. In "*Asymptotic Methods in Probability and Statistics with Applications*" ( Eds. N. Balakrishnan, I.A. Ibragimov, V.B. Nevzorov). P. 309-320. Birkhauser Boston.

Lai C.D., Xie M. and Bairamov I.G. (2001) Dependence and Ageing Properties of Bivariate Lomax Distribution. In *System and Bayesian Reliability*. (Essays in Honor of Professor Richard E. Barlow on His 70 th Birthday. Eds. Yu. Hayakava, T. Irony and M. Xie)

Bairamov I.G. , Kotz S. and Gebizlioglu O.L. (2001) On a generalization of FGM and Sarmanov class of distributions. *South African Statistical Journal*. 35, 205-224

Bairamov, I.G. and Eryilmaz, S. (2001). On properties of statistics connected with minimal spacing and record exceedances. *Applied Statistical Science* V, 245-254, Nova Science Publishers, USA.

Bairamov I.G. , Kotz s. and Bekci M. (2000) New generalized Farlie-Gumbel-Morgenstern distributions and concomitants of order statistics. *Journal of Applied Statistics*. Vol. 28, No. 5, 521-536. CARFAX PUBLISHING, UK.

Bairamov I.G. (2000) On the characteristic properties of exponential distribution. *Annals of Institute of Statistical Mathematics*. Vol. 52, No. 3, 448-458. Kluwer Academic Publishers, Tokyo.

Bairamov I. G. and Apaydin A. (2000) Characterizations of continuous distributions by property of conditional expectation. *South African Statist. Journal*, 34, 37-48.

Bairamov I.G. and Eryilmaz S.N. (2000) Distributional properties of statistics based on minimal spacing and record exceedance statistics. *Journal of Statistical Planning and Inference*, 90, 21-33.

Bairamov I.G. and Ahsanullah M. (2000) Distributional relations between order statistics and the sample itself and characterization of exponential distribution. *Journal of Applied Statistical Science*. Vol 10, No. 1, 1-16. Nova Science Publisher, USA.

Bairamov I.G. and Özkaya N. (2000) On the nonparametric Test for two Sample Problem based on spacings. *Journal of Applied Statistical Science*. Vol. 10, No. 1, 57-68. Nova Science Publisher, USA.

- Bairamov, I.G. and Kotz, S. (2000) On local dependence function for multivariate distributions. *New Trends in Probability and Statistics*. Vol. 5, pp. 27-44.
- Bairamov I.G., Gebizlioglu O.L. and Kaya M.F. (1999) Distributional properties of statistics based on invariant confidence intervals. *Istatistik. Journal of the Turkish Statistical Association*. Vol. 2. No 1, 15-32.
- Bairamov I.G. and Gebizlioglu O.L. (1998) On the distance sequence of distribution functions. *Journal of Applied Statistical Science*. Vol. 8. No 1, p. 59-66. Nova Science Publisher, USA.
- Bairamov I.G. and Aliev F.A. (1998) On characterization of distributions through the properties of records. *Journal of Applied Statistical Science*. Vol. 8. No 1. Nova Science Publisher, USA.
- Bairamov I.G. and Gebizlioglu O.L. (1998) On the distance sequence of distribution functions and goodness of fit tests. *Istatistik. Journal of the Turkish Statistical Association*. Vol. 1. No 1, pp. 51-61.
- Bairamov I.G., Klyushin D. and Petunin Yu.I. (1998) Construction of confidence intervals for dependent observations. *Istatistik. Journal of the Turkish Statistical Association*. Vol.1. No 2, 67-74.
- Klyushin D., Petunin Yu.I. and Bairamov I.G. (1998) Test of heterogeneity of general population. *Istatistik. Journal of the Turkish Statistical Association*. Vol 1, No 3,19-29.
- Bairamov I.G. (1998) (with Petunin, Klyushin, Ganina, Boroday) Statistical Investigation of the Malignancy Associated Changes in Buccal EphideliuM Under Breast Cancer. *Applied Statistical Science 4*. Nova Science Publishers. USA.
- Bairamov I.G. (1998) On the new test based on training samples for the observation classification problem. *Applied Statistical Science 4*. Nova Science Publishers. USA.
- Bairamov I.G. (1998) (with Petunin, Klyushin, Ganina, Boroday) Retrospective determination of prognostic significance of cytogenetic, morphological and clinical factors in the linear regression model and calculation of confidence limits for survival time of patients suffering from malignant melanoma. *Applied Statistical Science 4*. Nova Science Publishers. USA.
- Bairamov I.G. (1997) Some distribution free properties of statistics based on record values and characterizations of distributions through a record. *Journal of Applied Statistical Science*. Vol 5. No 1, pp. 17-25. Nova Science Publisher, USA .
- Bairamov I.G. and Gebizlioglu O.L. (1997) On the ordering of random vectors in a norm sense. *Journal of Applied Statistical Science*. Vol. 6, No 1, p.77-86. Nova Science Publisher, USA.
- Bairamov I.G. and Petunin Yu.I. (1992) Statistical criteria based on training samples. *Cybernetics*. No 3, p. 408-413.
- Bairamov I.G. (1992) Statistical criteria based on training samples in the problem of classification of observations. *Theory of Probability and Mathematical Statistics*. No 46, p. 13-17.
- Bairamov I.G. and Guseynov P.M. (1992) On the problem of classification of observations on the basis of samples of brightnesses of the homogenous natural formations. *J.Soobsheniya NPO Kosmicheskikh issledovaniy*. N 6. Baku-1990 .P.41-44. (in russian)
- Bairamov I.G. and Petunin Yu.I. (1991) Structure of invariant confidence intervals containing the main distributed mass. *Theory of Probabability and Its Applications*. Vol. 35, No 1, p. 15-26.
- Bairamov I.G. (1991) Distributions related with differences of adjacent order statistics. *Transactions of Academy of Sciences of Azerbaijan. Series of Physical-Technical and Mathematical Sciences*. Vol. 12. No 1, p. 42-44.

Bairamov I.G. (1990) Testing of statistical hypothesis with the help of statistical criteria based on training samples. *Transactions of Academy of Sciences of Azerbaijan. Series of Physical-Technical and Mathematical Sciences*. Vol. **11**, No 1-2 , p. 151-156.

Bairamov I.G. and Petunin Yu.I. (1988) Invariant confidence intervals containing the general part of the distributed mass of general set. *Vichislitel'naya i prikladnaya matematika*. Kiev, Vol. **65**, p. 112-117. (in russian) English translation in *J. Soviet. Math.* 66 (1993), No. 5, 2534-2538.

## Former PhD Students

- ◆Dr. M. F. Kaya (Currently as Associate Professor at The Selcuk University)
- ◆Dr. N. Ozkaya (Currently as Assistant Professor at the Ankara University)
- ◆Dr. G. Arslan (Currently as Assistant Professor at the Izmir University of Economics)
- ◆Dr. S. Eryılmaz (Currently as a Professor at the Atılım University)
- ◆Dr. M. Bekçi (Currently as Assistant Professor at the Ege University)
- ◆Dr. Halil Tanıl (Currently as Assistant Professor at the Ege University)
- ◆Dr. Selma Gürler (Currently as Instructor at Dokuz Eylül University)
- ◆Dr. Burcu Hudaverdi (Currently as Instructor at Dokuz Eylül University)
- ◆Dr. Tuğba Özkal (Currently as Instructor at Dokuz Eylül University)
- ◆Dr. Özge Elmastaş (Currently as Instructor at Ege University)
- ◆Dr. Olcay Bozkurt (Currently as Assistant Professor Sinop University)
- ◆Dr. Kemalbay, G. (Currently as Assistant Professor at Yıldız Technic University)
- ◆Dr. Yapakçı, G. (Currently as Postdoctoral Fellow at Melbourne University)
- ◆Dr. Yalçın, F. (Currently as Instructor at Izmir University of Economics)
- ◆Dr. Özkut, C. M. General models of ordered statistical data and their applications, Izmir University of Economics,2015
- ◆Dr. Kan, C. Signature based reliability analysis of systems, Izmir University of Economics,2015

## International conferences

**BAYRAMOĞLU, I.** Distributional results for records of multivariate observations. EMS 2015. European Meeting of Statisticians. Amsterdam, July 6-10, 2015.

**BAYRAMOĞLU, I.** Multivariate record times and values. "16th International Symposium on Econometrics, Operations Research and Statistics", Trakya University MAY 7-12, 2015. (**Invited speaker**)

**BAYRAMOĞLU, I.** Bivariate order statistics and their applications in reliability. 9 th International Statistics Days Symposium, 10-14 May 2014, Antalya, Turkey.

**BAIRAMOV, I.** Bivariate Order Statistics. New developments and applications. Ordered data Analysis, models, and health research methods: An international conference in honor of H.N. Nagaraja for his 60 th birthday. March 7-9, 2014, The University of Texas at Dallas, Richardson, Texas, USA

**BAIRAMOV, I.** Marshall-Olkin type distribution with effect of shock magnitude. An international conference on Marshall-Olkin distribution. University of Bologna, Bologna, Italy, 2013.

**BAIRAMOV, I.** Mixed exchangeable random variables order statistics and MRL. New developments in theory and applications of order statistics, Izmir, Turkey, Izmir University of Economics, 2011.

**BAIRAMOV, I.** On conditional independent random variables. International Conference on Advances in Probability and Statistics, Hong Kong, 2011.

**BAIRAMOV, I.** Order statistics from exchangeable random variables and their applications in reliability. Ordered Statistical Data and its Applications (OSDA) 2010, Zagazig, Egypt, July 11-13, 2010.

- BAYRAMOGLU, I.** Ordered random variables-recent developments. 14th International Congress on Computational and Applied Mathematics, Antalya, Turkey, September 29-October 2, 2009.
- BAIRAMOV, I.** Waiting times for exceedances based on order statistics. Conference on Ordered Statistical Data and Its Applications, RWTH Aachen University, Aachen, Germany, March 7-8, 2008.
- BAIRAMOV, I.** Asymptotic distributions of progressive type II censored order statistics. International Conference on Ordered Statistical Data and Inequalities: Theory & Applications, The University of Jordan, Amman, Jordan, June 12-14, 2007.
- BAIRAMOV, I.** International conference on mathematical and statistical modeling-ICMSM, University of Castilla-La Mancha, Ciudad Real, Spain, 2006.
- BAIRAMOV, I.** and TANIL, H. Exceedances based on generalized order statistics. Ordered Statistical Data: Approximations, Bounds and Applications, İzmir, Turkey, 2005.
- BAIRAMOV, I.G.** and OZKAL, T. On the joint distributions of nonadjacent progressively type II censored order statistics. Ordered Statistical Data: Approximations, Bounds and Applications, Warsaw, Poland, May, 2004.
- BAIRAMOV, I.G.** On exceedances based on ordered random variables. Ordered Statistical Data: Approximations, Bounds and Applications, Warsaw, Poland, May 12-17, 2003.
- BAIRAMOV, I.G.** Exceedance statistics based on ordered random variables. Characterizations and Bounds for Ordered Statistical Data, Warsaw, Poland, May 12-17, 2003.
- BAIRAMOV, I.G.** On the bivariate binomial distribution and its extension. 3. İstatistik Kongresi, Antalya, Turkey, April 16-20, 2003.
- BAIRAMOV, I.G.** Aşan istatistiklerin asimptotik özellikleri. 3. İstatistik Kongresi, Antalya, Turkey, April 16-20, 2003.
- BAIRAMOV, I.G.** On a generalized Sarmanov bivariate distributions. 3. İstatistik Kongresi, Antalya, Turkey, April 16-20, 2003.
- BAIRAMOV, I.G.** Random intervals based on order statistics and records. Seminars of order statistics and record values, McMaster University, Canada, July 12, 2002.
- BAIRAMOV, I.G.** Bivariate binomial type distributions and their applications. Seminars of order statistics and record values, McMaster University, Canada, July 12, 2002.
- BAIRAMOV, I.G.** On the distributions of the new sample rank of an order statistics and its concomitant. İstatistik Günleri 2002, Hacettepe University, Ankara, Turkey, May 23-24, 2002.
- BAIRAMOV, I.G.** Exceedances based on generalized order statistics. İstatistik Günleri 2002, Hacettepe Üniversitesi, Ankara, Turkey, May 23-24, 2002.
- BAIRAMOV, I.G.** and ARSLAN, G. Asagi rekorlar ile iki dagilimin karakterizasyonu. 2. İstatistik Kongresi Bildiriler Kitabı pp.196-199, Antalya, Turkey, 2-6 Mayıs, 2001.
- BEKCI, M. and **BAIRAMOV, I.G.** Çok degiskenli dagilimlarda rekor degerler. 2. İstatistik Kongresi Bildiriler Kitabı pp.207-211, Antalya, Turkey, 2-6 Mayıs, 2001.
- ERYILMAZ, S. and **BAIRAMOV I.G.** FGM sequences, exceedances and records. 2. İstatistik Kongresi Bildiriler Kitabı pp.310-314, Antalya, Turkey, 2-6 Mayıs, 2001.
- BAIRAMOV I.G.,** ERYILMAZ, S. and YAGCI, B. On a new class of Archimedean copulas. 2. İstatistik Kongresi Bildiriler Kitabı pp.318-321, Antalya, Turkey, 2-6 Mayıs, 2001.



**BAIRAMOV, I.G.** and TERCAN, A. Mean residual life function. Proceedings of statistical conference 2000 pp.107-117, Gazi University, Ankara, Turkey, 2000.

**BAIRAMOV, I.G.** Characterization of distributions. Proceedings of statistical conference 2000 3-19, Gazi University, Ankara, Turkey, 2000.

**BAIRAMOV, I.G.** and AHSANULLAH, M. Characterization of distributions through the properties of spacings. International conference on Applied Statistical Science, Rider University, USA, May 22-23, 1999.

**BAIRAMOV I.G.** and ERYILMAZ, S. Distributional properties of statistics based on minimal spacing and record exceedance statistics. International conference on Applied Statistical Science, Rider University, USA, May 22-23, 1999.

**BAIRAMOV, I.G.** and AKDI, Y. Distribution of record times for random walk processes. Proceedings of Statistical Conference 1998 pp.3-12, Gazi University, Ankara, Turkey, 1998.

**BAIRAMOV I.G.** and GEBIZLIOGLU, O.L. Asymptotic distributions of statistics based on order statistics and record values. International conference on Asymptotical Methods in Probability and Statistics, St. Petersburg, May, 1998.

GEBIZLIOGLU, O.L., **BAIRAMOV, I.G.** and AKDI, Y. Stochastic modelling of index series as a merging or mixing process. Bulletin of the International Statistical Institute, 51 th session, Book 1, pp.167-170, 1997.

GEBIZLIOGLU, O.L. and **BAIRAMOV, I.G.** A discussion on analysis of random points and shapes. Bulletin of the International Statistical Institute, 51 th session, Tome LVII, Book 3, pp.334-335, 1997.

**BAIRAMOV, I.G.** and GEBIZLIOGLU, O.L. Some limit theorems for record values of water related processes. Water and Statistics, ISI satellite meeting, August 28-30, 1997.

**BAIRAMOV, I.G.** Test based on training samples for the classification observation problem. Proceedings of Second Math. Mod., Vien, Austria, February 5-7, 1997.

**BAIRAMOV, I.G.** Limit theorems for order statistics and record values. Arařtırma Sempozyumu 96, Program ve bildiriler pp.3/41 - 3/45, 1996.

**BAIRAMOV, I.G.,** GEBIZLIOGLU, O.L. and KAYA, M.F. Confidence of criteria based on invariant confidence intervals for testing composite hypothesis. Arařtırma Sempozyumu 95, Program ve bildiriler pp.83-87, 1995.

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### **TEACHING: Courses taught in 1989-2013**

#### **UNDERGRADUATE**

- ♦Introduction to Probability and Statistics I-II (Ankara University Faculty of Science Department of Mathematics, 2000-2001; Baku State University, Faculty of Applied Mathematics 1989-1993)
- ♦Theory of Stochastic Processes I-II (Ankara University Faculty of Science Department of Statistics, 1993-2001; Baku State University, Faculty of Applied Mathematics, 1989-1993 )
- ♦Nonparametric Statistics (Ankara University Faculty of Science Department of Statistics, 1993-2001)
- ♦Statistical Theory of Reliability (Ankara University Faculty of Science Department of Statistics, 1998-2001)
- ♦Measure Theory (Ankara University Faculty of Science Department of Statistics, 1993-1996)
- ♦Numerical optimization (Azerbaijan Petrol Academy, Faculty of Applied Mathematics, 1989-1993)
- ♦Fundamentals of Mathematics (Izmir University of Economics, Department of Mathematics, 2001-2005)
- ♦Calculus I, II (Izmir University of Economics, Department of Mathematics, 2001-2008)
- ♦Theory of Probability I, II (Izmir University of Economics, Department of Mathematics, 2002-
- ♦Stochastic Processes I,II (Izmir University of Economics) 2002-

#### **GRADUATE**

- ♦Theory of Statistics (Ankara University Faculty of Science Department of Statistics, 1993-2001)
- ♦Advanced Theory of Statistics (Ankara University Faculty of Science Department of Statistics, 1993-2001)
- ♦Measure Theory and Probability (Ankara University Faculty of Science Department of Statistics, 1998-2000,
- ♦Theory of Nonparametric Statistics (Ankara University Faculty of Science Department of Statistics, 1993-2001)
- ♦Theory of Records (Ankara University Faculty of Science Department of Statistics, 1999-2001)
- ♦Asymptotical Theory of Extreme Order Statistics (Ankara University Faculty of Science Department of Statistics, 1998-2001)
- ♦Probability Metric Spaces and Copulas (Ankara University Faculty of Science Department of Statistics, 1993-2001)
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