

# Curriculum Vitae of PROF. N. BALAKRISHNAN

November 12, 2017

## Business Address

**Distinguished University Professor**  
Department of Mathematics and Statistics  
McMaster University  
Hamilton, Ontario  
Canada L8S 4K1

Phone : (905)525-9140 Ext: 23420  
Fax : (905)522-1676  
e-mail: *bala@mcmaster.ca*

## Educational Background

B.Sc. (Statistics), University of Madras, India, in 1976  
M.Sc. (Statistics), University of Madras, India, in 1978  
Ph.D. (Statistics), Indian Institute of Technology, Kanpur, India, in 1981

## Citations and Impact Measures

**Citations** — 50,264 (All) and 20,733 (since 2012)  
**h-Index** — 68 (All) and 50 (since 2012)  
**i-Index** — 444 (All) and 310 (since 2012)

## Honours Accorded and Membership

*Honorary Doctorate Degree* from The National University of Athens, Greece in 2017

*Fellow of the American Statistical Association* in 1995

*Fellow of the Institute of Mathematical Statistics* in 2006

*Elected Member of the International Statistical Institute* in 1992

*Don Owen Award* winner, awarded by the American Statistical Association in 2008

*Distinguished University Professor* at McMaster University, Ontario, Canada, in 20014

*Extra Ordinary Professor*, Department of Statistics, University of Pretoria, Pretoria, South Africa, in 2016

*Distinguished Eugene Lukacs Professor* at Bowling Green State University, Bowling Green, Ohio, in 2005

*Distinguished Santalo Lecturer* at Universidad Complutense de Madrid, Spain, in 2006

*Samuel Weiner Distinguished Visiting Professor*, University of Manitoba, Winnipeg, Manitoba, Canada, in 2015

*Elected Honorary Member* of the Greek Statistical Institute in 2007

*Fellow of the Turkish Statistical Association* in 2003

*Valuable Service Award* winner, awarded by the International Statistical Association in 2010

*McMaster Students Union Teaching Award* on five occasions, three from the Faculty of Science, one from the Faculty of Engineering, and one from the Arts & Science Program

*Member* of the American Statistical Association, Institute of Mathematical Statistics, Statistical Society of Canada, American Society for Quality Control, International Indian Statistical Association.

## Positions Held

McMaster University, Hamilton, Canada

*Post-doctoral Fellow*, 1982–1983

*University Research Fellow*, 1985–1986

*Assistant Professor*, 1986–1989

*Associate Professor*, 1989–1995

*Professor*, 1995–2014

*Distinguished University Professor*, 2014–

*Post-doctoral Fellow*, University of Manitoba, Winnipeg, Canada, 1983

*Coordinator of the Graduate Program in Statistics*, McMaster University, Canada (for three years from 1993-1996; for four years from 2009-2013; since 2014-)

*Vice-President*, International Indian Statistical Association (for two years from July 2001-June 2003)

*President*, International Indian Statistical Association (for one year from July 2004-June 2005)

*Past-President*, International Indian Statistical Association (for one year from July 2005-June 2006)

*Adjunct Professor*, National Central University, Taiwan (beginning 2007)

*Distinguished Visiting University Professor*, Ren-min University, Beijing, China (beginning 2009)

*Distinguished Visiting University Professor*, King Saud University, Riyadh, Saudi Arabia (2010 – 2011)

*Distinguished Visiting University Professor*, King Abdulaziz University, Jeddah, Saudi Arabia (2013 – 2015).

*Extra Ordinary Professor*, Department of Statistics, University of Pretoria, Pretoria, South Africa, in 2016

*Distinguished Visiting University Professor*, Chengdu University of Information Technology, Chengdu, China, during 2017 – 2019

## Visiting Positions Held

*Visiting Faculty*, University of Guelph, Guelph, Canada, 1984–1985

*Visiting Associate Professor*, University of Waterloo, Waterloo, Canada, 1992-1993

*Visiting Professor*, University of Waterloo, Waterloo, Canada, 1996

*Visiting Professor*, Ain-Shams University, Cairo, Egypt, 1999

*Visiting Professor*, Universite de Le Havre, Le Havre, France, 2001

*Visiting Professor*, Ankara University, Ankara, Turkey, 2002

*Visiting Professor*, King Saud University, Riyadh, Saudi Arabia, 2003

*Visiting Distinguished Eugene Lukacs Professor*, Bowling Green State University, Ohio, USA, 2005

*Visiting Professor*, University of Texas, San Antonio, Texas, USA, 2006

*Visiting Distinguished Santalo Lecturer*, Universidad Complutense Madrid, Spain, 2006

*Visiting Professor*, National Central University, Taiwan, 2007

*Visiting Professor*, Ren-Min University, Beijing, China, 2007

*Visiting Professor*, University of Berne, Berne, Switzerland, 2008

*Visiting Professor*, University of Bologna, Bologna, Italy, 2009

*Visiting Professor*, University of Vienna, Vienna, Austria, 2009

*Visiting Professor*, University of Paris-V, Paris, France, 2009

*Visiting Professor*, Nankai University, Tianjin, China, 2010

*Visiting Professor*, Cochin University of Science and Technology, Cochin, India, 2010

*Visiting Professor*, University of Pau, Pau, France, 2011

*Visiting Professor*, Nankai University, Tianjin, China, 2011  
*Visiting Professor*, Northeastern Normal University, Changchun, China, 2011  
*Visiting Professor*, National Tsing Hua University, Taiwan, 2011  
*Visiting Professor*, Kuwait University, Kuwait, 2012  
*Visiting Professor*, University of Pretoria, Pretoria, South Africa, 2012  
*Visiting Professor*, Carlos III Universidad, Madrid, Spain, 2012  
*Visiting Professor*, King Abdulaziz University, Jeddah, Saudi Arabia, 2013  
*Visiting Professor*, University of Medellin, Colombia, 2013  
*Visiting Professor*, University of Pau, Pau, France, 2013  
*Visiting Professor*, University of Pretoria, Pretoria, South Africa, 2014  
*Visiting Professor*, Kuwait University, Kuwait, 2014  
*Visiting Professor*, University of Pau, Pau, France, 2014  
*Visiting Professor*, Universidad Complutense de Madrid, Spain, 2015  
*Visiting Professor*, University of Pau, Pau, France, 2015  
*Visiting Professor*, University of Pretoria, Pretoria, South Africa, 2015  
*Visiting Professor*, CIMAT, Monterrey, Mexico, 2016  
*Visiting Professor*, Tanta University, Cairo, Egypt, 2016  
*Visiting Professor*, Selcuk University, Konya, Turkey, 2017

## Editorial Positions

### At present

*Editor-in-Chief* for *Communications in Statistics—Theory and Methods*  
*Editor-in-Chief* for *Communications in Statistics—Simulation and Computation*  
*Editor-in-Chief* for *Communications in Statistics—Case Studies, Data Analysis and Applications*  
*Associate Editor* for *Statistical Methods in Medical Research*  
*Associate Editor* for *IEEE Transactions on Reliability*  
*Associate Editor* for *Probability in the Engineering and Informational Sciences*  
*Associate Editor* for *Metrika*  
*Associate Editor* for *Methodology and Computing in Applied Probability*  
*Associate Editor* for *Mathematical Methods in Statistics*

*Editor-in-Chief* for the Revised Edition of *Encyclopedia of Statistical Sciences* published by John Wiley & Sons, Hoboken, New Jersey

*Editor-in-Chief* for the Series *Statistics for Industry and Technology* of books and volumes published by Birkhäuser, Boston

*Editor-in-Chief* for the Series *Handbooks on Methods and Applications of Statistics* published by John Wiley & Sons, Hoboken, New Jersey

*Editor-in-Chief* for the Series *Statistics* of books and monographs published by Taylor & Francis, Philadelphia

*Editorial Board Member* for the Series of books and monographs published by SIAM, Philadelphia.

## **In the past**

*Executive Editor* for *Journal of Statistical Planning and Inference*

*Associate Editor* for *Test*

*Associate Editor* for *Journal of Statistical Planning and Inference*

*Associate Editor* for *IEEE Transactions on Reliability*

*Associate Editor* for *Naval Research Logistics*

*Associate Editor* for *Communications in Statistics*

*Associate Editor* for *Computational Statistics & Data Analysis*

*Associate Editor* for *Metrika*

*Associate Editor* for *Selected Tables in Mathematical Statistics*

*Associate Editor* for *Statistical Methodology*.

## **Consulting Experience**

Performed consulting work for Risk Modeling Group of Royal Bank of Canada, Toronto (am in fact continuing with this consulting work currently)

Performed consulting work for Credit Risk Research Group of Toronto Dominion Bank, Toronto

Performed consulting work for Botanist at York University with regard to differences between the growth of different plants of a particular species in California

Performed consulting work to Surgeons in the Department of Neonatology at McMaster with regard to the growth of pre-natal babies

Performed consulting work to Doctors in the Department of Internal Medicine at McMaster with regard to the analysis of medical data

Performed consulting work to Anthropologists in the Department of Anthropology at McMaster with regard to the analysis of skeletal remains from Stoney Creek War

Performed consulting work for Communication Engineers in the Communications Research Laboratory at McMaster, regarding problems on Signal Processing of Iceberg Data

Performed consulting work for Mechanical Engineers in the Department of Mechanical Engineering, McMaster, regarding problems in Pool Boiling

Performed consulting work for Electrical Engineers in the Department of Electrical Engineering, McMaster, regarding problems in Networks

Performed consulting work for the Office of the Vice-President of McMaster University with regard to research grant funding within the University and its relative performance as compared to all the Universities in Canada

## Graduate Supervision

M.Sc. Project/Thesis Supervision - 65 (not listed)

Ph.D. Thesis Supervision - 55 (listed below)

**R.S. Ambagaspitiya** (1991), currently as Associate Professor at the University of Calgary, Canada

**P.S. Chan** (1993), currently as Associate Professor at The Chinese University of Hong Kong

**A. Childs** (1996), currently as Associate Professor at McMaster University, Hamilton, Canada

**R. Aggarwala** (1996), currently practicing as a lawyer in Calgary, Alberta, Canada

**K.S. Sultan** (1998), currently as Professor at King Saud University, Riyadh, Saudi Arabia

**S.L. Sheng** (1998), currently as Research Scientist at the National Institute of Health, Bethesda, Maryland

**Y. Ma** (1998), currently as Statistician in a Pharmaceutical firm in Toronto, Canada

**Q. Zhou** (2002), currently as Assistant Professor, McMaster University, Canada

**H.K.T. Ng** (2002), currently as Full Professor at Southern Methodist University, Dallas, Texas, USA

**Jeong-Ae Kim** (2004), currently as Senior Scientist at LG Inc., Daejeon, South Korea

**Po Yang** (2004), currently as Assistant Professor at University of Manitoba, Winnipeg, Manitoba, Canada

**Akbar Asgharzadeh** (2004), currently as Associate Professor at Massandaran University, Massandaran, Iran

**Fathy Hilmy Eissa** (2004), currently as Associate Professor at King Abdulaziz University, Saudi Arabia

**Tao Li** (2005), currently as Associate Professor at Shanghai University of Business and Economics, Shanghai, China

**Majid Rezaei** (2006), currently as Associate Professor at Ferdowsi University, Mashhad, Iran

**Arezou Habibirad** (2006), currently as Associate Professor at Ferdowsi University, Mashhad, Iran

**Qihao Xie** (2006), currently as Scientist at Bombardier Canada, Mississauga, Ontario, Canada

**Mahdi Doostparast** (2006), currently as Associate Professor at Ferdowsi University, Mashhad, Iran

**Abbas Rasouli** (2006), currently as Associate Professor at Zanjan University, Zanjan, Iran

**Ahad Jamalizadeh** (2006), currently as Associate Professor at Shahid Bahonar University, Kerman, Iran

**Xingqiu Zhao** (2008), currently as Associate Professor at Hong Kong Polytechnic University, Hong Kong

**Dong-hoon Han** (2008), currently as Associate Professor at University of Texas, San Antonio, Texas, USA

**Xuan Zhang** (2008), currently as Risk Manager in Bank of Montreal, Toronto, Ontario, Canada

**Peng Zhao** (2008), currently as Professor at Jiangsu Normal University, China

**Hassan Saleh** (2010), currently as Assistant Professor at Beni-Suef University, Egypt

**Maryam Sharafi** (2011), currently as Assistant Professor at Shahid Beheshti University, Kermanshah, Iran

**Zhengqiang Pan** (2011), currently as Assistant Professor at National University of Defense Technology, Changsha, China

**William Volterman** (2011), currently as Assistant Professor at Syracuse University, New York, USA

**Ahmed Roby Elshafay** (2011), currently as Assistant Professor at Fayoum University, Egypt

**Tianyu Sun** (2012), currently as Assistant Professor at Northwestern Polytechnic University, Xian, China

**Laila Al-Khalfan** (2012), currently as Assistant Professor at Kuwait University, Kuwait

**Debanjan Mitra** (2012), currently as Assistant Professor at Indian Institute of Management, Udaipur, India

**Man-Ho Ling** (2012), currently as Assistant Professor Hong Kong Institute of Education, Hong Kong

**Su Feng** (2012), currently as Associate Professor at Guangzhou Maritime University, China

**Suvra Pal** (2013), currently as Assistant Professor at University of Texas, Arlington, USA

**Song Mao** (2013), currently as Assistant Professor at Northwestern Polytechnic University, Xian, China

**Xiaolin Wang** (2013), currently as Assistant Professor at National University of Defense Technology, Changsha, China

**Reza Arabi Belaghi** (2013), currently as Assistant Professor at Ferdowsi University, Mashhad, Iran

**Alizadeh Noughabi** (2013), currently as Assistant Professor at Ferdowsi University, Mashhad, Iran

**Ick Huh** (2014), currently as Post-doctoral Fellow at McMaster University, Hamilton, Canada

**Xiaojun Zhu** (2015), currently as Statistical Analyst at McMaster University, Hamilton, Canada

**Hon Yiu So** (2016), currently as Risk Analyst at Toronto Dominion Bank, Toronto, Canada

**Ghobad Barmalzan** (2016), currently as Assistant Professor at Zabel University, Sistan, Iran

**Lia Hanna Martins Morita** (2017), currently as Assistant Professor at Federal University of Mato Grosso, Brazil

**Kirill Mayorov** (2017), current as Financial Risk Analyst, The Royal Bank of Canada, Toronto

**Xin-Yang Wu**, working on her thesis and is expected to finish in September 2017

**Dejing Kong**, working on his thesis and is expected to finish in September 2017

**Alessandro Selvitella**, working on his thesis and is expected to finish in August 2017

**Niladri Chakraborty**, working on his thesis and is expected to finish in September 2017

**Sayantee Jana**, working on her thesis and is expected to finish in August 2017

**Farouq Alam**, working on his thesis and is expected to finish in August 2017

**Tao Tan**, working on her thesis and is expected to finish in December 2017

**Sandip Barui**, working on his thesis and is expected to finish in August 2017

**Chengwei Qin**, working on his thesis and is expected to finish in September 2017

**Kai Liu**, working on her thesis and is expected to finish in December 2018

**Tian Feng**, working on her thesis and is expected to finish in August 2018

**Mu He**, working on his thesis and is expected to finish in December 2019

**Kavitha Neelangol**, working on her thesis and is expected to finish in August 2020

## Research Grants



Period	Funding Agency	Amount of support
1986–'87	Science and Engineering Research Board, McMaster University	\$7,500
1987–'90	Natural Sciences and Engineering Research Council of Canada	\$34,300
1987–'88	Science and Engineering Research Board, McMaster University	\$6,000
1990–'94	Natural Sciences and Engineering Research Council of Canada	\$40,000
1994–'97	Natural Sciences and Engineering Research Council of Canada	\$30,000
1997–2001	Natural Sciences and Engineering Research Council of Canada	\$56,000
2001–2005	Natural Sciences and Engineering Research Council of Canada	\$72,000
2005–2009	Natural Sciences and Engineering Research Council of Canada	\$88,000
2009–2014	Natural Sciences and Engineering Research Council of Canada	\$175,000
2015–2020	Natural Sciences and Engineering Research Council of Canada	\$155,000
2001–2003	Marcel Dekker, Inc., New York	\$30,000(US)/yr
2004–2006	Marcel Dekker, Inc., New York	\$32,000(US)/yr.
2006–2008	Taylor and Francis, Philadelphia, Pennsylvania	\$34,000(US)/yr.
2009–2011	John Wiley & Sons, Hoboken, New Jersey	\$9,000(US)/yr.
2009–2011	North-Holland, Amsterdam, The Netherlands	\$10,000(US)/yr.
2009–2014	Taylor and Francis, Philadelphia, Pennsylvania	\$39,000(US)/yr.
2015–2019	Taylor and Francis, Philadelphia, Pennsylvania	\$41,000(US)/yr.

## Books Authored

*An Introduction to Probability – Vol. I* (co-authored with M.V. Koutras and K. Politis), John Wiley & Sons, New Jersey, 2017, 530 pages (to appear).

*Fisher Information in Ordered Data* (co-authored with S. Park and G. Zheng), Springer-Verlag, New York, 2017, 270 pages (to appear).

*An Introduction to Lifetime Data Analysis* (co-authored with C. Caroni), Birkhäuser, Boston, 2017, 265 pages (to appear).

*The Art of Progressive Censoring* (co-authored with E. Cramer), Birkhäuser, Boston, 2014, 645 pages.

*Quantile Based Reliability Analysis* (co-authored with U. Nair and P.G. Sankaran), Birkhäuser, Boston, 2013 (397 pages).

*Chi-Squared Goodness-of-fit Tests and Applications* (co-authored with V. Voinov and M.S. Nikulin), Academic Press, Boston, 2013 (229 pages).

*Continuous Bivariate Distributions: Theory and Methods*, Second edition (co-authored with C. D. Lai), Springer-Verlag, New York, 2009 (684 pages).

*A First Course in Order Statistics* (co-authored with B.C. Arnold and H.N. Nagaraja), Classic edition, SIAM Publishers, Philadelphia, 2008 (279 pages).

*Precedence-Type Tests and Applications* (co-authored with H.K.T. Ng), John Wiley & Sons, Hoboken, New Jersey, 2006 (314 pages).

*Extreme Value and Related Models with Applications in Engineering and Science* (co-authored with E. Castillo, A.S. Hadi and J.M. Sarabia), John Wiley & Sons, Hoboken, New Jersey, 2005 (362 pages).

- A Primer on Statistical Distributions* (co-authored with V.B. Nevzorov), John Wiley & Sons, Hoboken, New Jersey, 2003 (305 pages).
- Runs and Scans with Applications* (co-authored with M.V. Koutras), John Wiley & Sons, New York, 2002 (452 pages).
- Progressive Censoring: Theory, Methods and Applications* (co-authored with R. Aggarwala), Birkhäuser, Boston, 2000 (248 pages).
- Continuous Multivariate Distributions, Vol. 1*, Second edition (co-authored with S. Kotz and N.L. Johnson), John Wiley & Sons, New York, 2000 (722 pages).
- Records* (co-authored with B.C. Arnold and H.N. Nagaraja), John Wiley & Sons, New York, 1998 (312 pages).
- Discrete Multivariate Distributions* (co-authored with N.L. Johnson and S. Kotz), John Wiley & Sons, New York, 1997 (299 pages).
- Continuous Univariate Distributions - Volume 2*, Second edition (co-authored with N.L. Johnson and S. Kotz), John Wiley & Sons, New York, 1995 (719 pages).
- Continuous Univariate Distributions - Volume 1*, Second edition (co-authored with N.L. Johnson and S. Kotz), John Wiley & Sons, New York, 1994 (756 pages).
- A First Course in Order Statistics* (co-authored with B.C. Arnold and H.N. Nagaraja), John Wiley & Sons, New York, 1992 (279 pages).
- Order Statistics and Inference: Estimation Methods* (co-authored with A.C. Cohen), Academic Press, San Diego, 1991 (371 pages).
- Relations, Bounds and Approximations for Order Statistics* (co-authored with B.C. Arnold), Springer-Verlag, New York, 1989 (173 pages).
- Robust Inference* (co-authored with M.L. Tiku and W.Y. Tan), Marcel Dekker, New York, 1986 (321 pages).

## Handbooks Authored/Edited

- Handbook of the Logistic Distribution*, Second edition, Taylor & Francis, Philadelphia, 2014 (to appear).
- Handbook of Tables for Order Statistics from Lognormal Distributions with Applications* (coauthored with W.W.S. Chen), Kluwer Academic Publishers, Boston, 1999 (868 pages).
- Tables for the Use of Range and Studentized Range in Tests of Hypotheses* (coauthored with H.L. Harter), CRC Press, Boca Raton, Florida, 1998 (663 pages).
- CRC Handbook of Tables for Order Statistics from Inverse Gaussian Distributions with Applications* (coauthored with W.W.S. Chen), CRC Press, Boca Raton, Florida, 1997 (688 pages).
- CRC Handbook of Tables for the Use of Order Statistics in Estimation* (coauthored with H.L. Harter), CRC Press, Boca Raton, Florida, 1996 (669 pages).

*The Exponential Distribution: Theory, Methods and Applications* (co-edited with A.P. Basu), Gordon and Breach, Newark, NJ, 1995 (638 pages).

*Handbook of the Logistic Distribution*, Marcel Dekker, New York, 1992 (601 pages).

## Volumes Edited

**Encyclopedia of Statistical Sciences (16 Volumes)**, Second edition, John Wiley & Sons, Hoboken, New Jersey, 2006.

*Methods and Applications of Statistics in Clinical Trials – Vol. 2*, John Wiley & Sons, Hoboken, New Jersey, 2014 (980 pages).

*Methods and Applications of Statistics in Clinical Trials – Vol. 1*, John Wiley & Sons, Hoboken, New Jersey, 2014 (870 pages).

*Methods and Applications of Statistics in the Atmospheric and Earth Sciences*, John Wiley & Sons, Hoboken, New Jersey, 2013 (362 pages).

*Methods and Applications of Statistics in the Social and Behavioral Sciences*, John Wiley & Sons, Hoboken, New Jersey, 2012 (560 pages).

*Methods and Applications of Statistics in Engineering, Quality Control, and the Physical Sciences*, John Wiley & Sons, Hoboken, New Jersey, 2011 (750 pages).

*Modern Mathematical Tools and Techniques in Capturing Complexity*, Springer-Verlag, Berlin, 2011 (512 pages).

*Methods and Applications of Statistics in Business, Finance, and Management Science*, John Wiley & Sons, Hoboken, New Jersey, 2010 (711 pages).

*Methods and Applications of Statistics in the Life and Health Sciences*, John Wiley & Sons, Hoboken, New Jersey, 2010 (986 pages).

*Mathematical and Statistical Models and Methods in Reliability* (co-edited with V. Rykov and M.S. Nikulin), Birkhäuser, Boston, 2010 (457 pages).

*Advances in Degradation Modeling: Applications to Reliability, Survival Analysis, and Finance* (co-edited with M.S. Nikulin, N. Limnios, W. Kahle and C. Huber-Carol), Birkhäuser, Boston, 2010 (416 pages).

*Advances in Mathematical and Statistical Modeling* (co-edited with B.C. Arnold, J.M. Sarabia and R. Mínguez), Birkhäuser, Boston, 2008 (530 pages).

*Beyond Parametrics in Interdisciplinary Research: Festschrift in Honor of Professor Pranab K. Sen* (Co-edited with E. Peña and M. J. Silvapulle), Institute of Mathematical Statistics Collections, Volume 1, Beachwood, Ohio, 2008 (407 pages).

*Advances in Statistical Methods for the Health Sciences* (co-edited with J.-L. Auget, M. Mesbah and G. Molenberghs), Birkhäuser, Boston, 2007 (540 pages).

- 16 Volumes of *Encyclopedia of Statistical Sciences*, Second edition (co-edited with S. Kotz, C.B. Read and B. Vidakovic), John Wiley & Sons, Hoboken, New Jersey (2006).
- Advances in Distribution Theory, Order Statistics, and Inference* (co-edited with E. Castillo and J.M. Sarabia), Birkhäuser, Boston, 2006 (490 pages).
- Advances on Models, Characterizations and Applications* (co-edited with I.G. Bairamov and O.L. Gebizlioglu), Chapman & Hall/CRC Press, New York, 2005 (234 pages).
- Advances in Ranking and Selection, Multiple Comparisons and Reliability* (co-edited with N. Kannan and H.N. Nagaraja), Birkhäuser, Boston, 2005 (412 pages).
- Parametric and Semiparametric Models with Applications to Reliability, Survival Analysis, and Quality of Life* (co-edited with M.S. Nikulin, M. Mesbah and N. Limnios), Birkhäuser, Boston, 2004 (555 pages).
- Handbook of Statistics - 23: Advances in Survival Analysis* (co-edited with C.R. Rao), North-Holland, Amsterdam, 2004 (771 pages).
- Statistical Methods and Practice* (co-edited with N. Kannan and M.R. Srinivasan), Narosa Publishing House, New Delhi, 2003 (363 pages).
- Goodness-of-Fit Tests and Model Validity* (co-edited with C. Huber-Carol, M. Nikulin and M. Mesbah), Birkhäuser, Boston, 2002 (504 pages).
- Advances on Methodological and Applied Aspects of Probability and Statistics*, Taylor & Francis, London, 2002 (620 pages).
- Advances on Theoretical and Methodological Aspects of Probability and Statistics*, Taylor & Francis, London, 2002 (528 pages).
- Handbook of Statistics - 20: Advances in Reliability* (co-edited with C.R. Rao), North-Holland, Amsterdam, 2001 (837 pages).
- Probability and Statistical Models with Applications* (co-edited with Ch.A. Charalambides and M.V. Koutras), Chapman & Hall, Boca Raton, 2001 (624 pages).
- Asymptotic Methods in Probability and Statistics with Applications* (co-edited with I.A. Ibragimov and V.B. Nevzorov), Birkhäuser, Boston, 2001 (549 pages).
- Advances in Stochastic Simulation Methods* (co-edited with V.B. Melas and S. Ermakov), Birkhäuser, Boston, 2000 (386 pages).
- Scan Statistics and Applications* (co-edited with J. Glaz), Birkhäuser, Boston, 1999 (324 pages).
- Handbook of Statistics - 17: Order Statistics – II: Applications* (co-edited with C.R. Rao), North-Holland, Amsterdam, 1998 (712 pages).
- Handbook of Statistics - 16: Order Statistics – I: Theory and Methods* (co-edited with C.R. Rao), North-Holland, Amsterdam, 1998 (731 pages).
- Advances in Statistical Decision Theory and Applications* (co-edited with S. Panchapakesan), Birkhäuser, Boston, 1997 (448 pages).
- Advances in Combinatorial Methods and Applications to Probability and Statistics*, Birkhäuser, Boston, 1997 (562 pages).

*Advances in the Theory and Practice of Statistics – A Volume in Honor of Samuel Kotz* (co-edited with N.L. Johnson), John Wiley & Sons, New York, 1997 (629 pages).

*Recent Advances in Life-Testing and Reliability*, CRC Press, Boca Raton, 1995 (632 pages).

## Discussion/Major Papers in Journals

Start-up demonstration tests: Models, methods and applications, with some unifications (with M. Koutras and F. Milienos), *Applied Stochastic Models in Business and Industry* (2014), **30**, 373-428 (with discussions).

EM-based likelihood inference for some lifetime distributions based on left truncated and right censored data and associated model discrimination (with D. Mitra), *South African Statistical Journal* (2014), **48**, 125-204 (with discussions).

Ordering properties of order statistics from heterogeneous populations: A review with an emphasis on some recent developments (with P. Zhao), *Probability in the Engineering and Informational Sciences* (2013), **27**, 403-469 (with discussions).

Hybrid censoring: Models, inferential results and applications (with D. Kundu), *Computational Statistics & Data Analysis* (2013), **57**, 166-209 (with discussions).

Nonparametric inference based on panel count data (with X. Zhao and J. Sun), *Test* (2011), **20**, 1-71 (with discussions).

New multi-sample nonparametric tests for panel count data (with X. Zhao), *The Annals of Statistics* (2009), **37**, 1112-1149.

A synthesis of exact inferential results for exponential step-stress models and associated optimal accelerated life-tests, *Metrika* (2009), **69**, 351-396.

Progressive censoring methodology: An appraisal, *Test* (2007), **16**, 211-296 (with discussions).

Permanents, order statistics, outliers, and robustness, *Revista Matemática Complutense* (2007), **20**, 7-107.

Analyzing unreplicated factorial experiments: A review with some new proposals (with M. Hamada), *Statistica Sinica* (1998), **8**, 1-41 (with discussions).

Order statistics from non-identical exponential random variables and some applications, *Computational Statistics & Data Analysis* (1994), **18**, 203-253 (with discussions).

## Journal Articles

### Accepted for publication

Likelihood inference for COM-Poisson cure rate model with interval censored data and Weibull lifetimes (with S. Pal), *Statistical Methods in Medical Research*.

Proportional hazards under COM-Poisson cure rate model and associated inference (with S. Barui and F.S. Milienos), *Statistical Methods in Medical Research*.

Model mis-specification analyses of Weibull and gamma models based on one-shot device test data (with M.H. Ling), *IEEE Transactions on Reliability*.

On the identifiability of start-up demonstration mixture models (with M.V. Koutras and F.S. Milienos), *Annals of the Institute of Statistical Mathematics*.

Ordering properties of the smallest and largest claim amounts in a general scale model (with G. Barmalzan and A.T.P. Najafabadi), *Scandinavian Actuarial Journal*.

Piecewise linear approximations for cure rate models and associated inferential issues (with M.V. Koutras and F.S. Milienos), *Methodology and Computing in Applied Probability*.

A generally weighted moving average signed-rank control chart (with N. Chakraborty, S. Chakraborti and S.W. Human), *Quality and Reliability Engineering International*.

Prediction of censored exponential lifetimes in a simple step-stress model under progressive Type II censoring (with I. Basak), *Computational Statistics*.

Likelihood inference for the destructive exponentially weighted Poisson cure rate model with Weibull lifetime and an application to melanoma data (with S. Pal), *Computational Statistics*.

Characterization of bivariate generalized logistic family of distributions through conditional specification (with I. Ghosh), *Sankhyā, Series B*.

## **2016**

A cure rate survival model under a hybrid latent activation scheme (with P. Borges, J. Rodrigues and F. Louzada), *Statistical Methods in Medical Research*, **25**, 838-856.

Expectation maximization-based likelihood inference for flexible cure rate models with Weibull lifetimes (with S. Pal), *Statistical Methods in Medical Research*, **25**, 1535-1563.

Multivariate families of gamma-generated distributions with finite or infinite support above or below the diagonal (with M. Ristic), *Journal of Multivariate Analysis*, **143**, 194-207.

Multivariate stochastic comparisons of multivariate mixture models and their applications (with G. Barmalzan and A. Haidari), *Journal of Multivariate Analysis*, **145**, 37-43.

Matrix-variate distribution theory under elliptical models-4: Joint distribution of latent roots of covariance matrix and the largest and smallest latent roots (with F.J. Caro-Lopera and G. Gonzalez Farias), *Journal of Multivariate Analysis*, **145**, 224-235.

Bivariate ConwayMaxwellPoisson distribution: Formulation, properties, and inference (with K.F. Sellers and D.S. Morris), *Journal of Multivariate Analysis*, **150**, 152-168.

A bivariate Birnbaum-Saunders regression model (with F. Vilca and R.G. Romero), *Computational Statistics & Data Analysis*, **97**, 169-183.

Exact inference for Laplace quantile, reliability, and cumulative hazard functions based on Type-II censored data (with X. Zhu), *IEEE Transactions on Reliability*, **65**, 164-178.

Exact nonparametric inference for component and system lifetime distributions based on joint signatures (with W. Volterman), *IEEE Transactions on Reliability*, **65**, 179-186.

- Likelihood inference under proportional hazards model for one-shot device testing (with M.H. Ling and H.Y. So), *IEEE Transactions on Reliability*, **65**, 446-458.
- A Bayesian approach for one-shot device testing with exponential lifetimes under competing risks (with H.Y. So and M.H. Ling), *IEEE Transactions on Reliability*, **65**, 469-485.
- Exact nonparametric meta-analysis of lifetime data from systems with known signatures (with W. Volterman, K.F. Davies and H.K.T. Ng), *IEEE Transactions on Reliability*, **65**, 796-801.
- Autopsy data analysis for a series system with active redundancy under a load-sharing model (with M.H. Ling, H.K.T. Ng and P.S. Chan), *IEEE Transactions on Reliability*, **65**, 957-968.
- EM algorithm for one-shot device testing with competing risks under Weibull distribution (with H.Y. So and M. Y. Ling), *IEEE Transactions on Reliability*, **65**, 973-991.
- Relaxed Poisson cure rate models (with J. Rodrigues, G.M. Codeiro and V.G. Canto), *Biometrical Journal*, **58**, 397-415.
- Comparisons between largest order statistics from multiple-outlier models (with N. Torrado), *Statistics*, **50**, 176-189.
- Likelihood ratio order of the second spacing in multiple-outlier exponential models (with P. Zhao and J. Qiao), *Statistics*, **50**, 206-218.
- Ordering results for the smallest and largest order statistics from independent heterogeneous exponentialWeibull random variables (with L. Fang), *Statistics*, **50**, 1195-1205.
- Likelihood ratio and dispersive orders for smallest order statistics and smallest claim amounts from heterogeneous Weibull samples (with G. Barmalzan and A.T.P. Najafabadi), *Statistics & Probability Letters*, **110**, 1-7.
- Stochastic comparisons of parallel and series systems with heterogeneous BirnbaumSaunders components (with L. Fang and X. Zhu), *Statistics & Probability Letters*, **112**, 131-136.
- Destructive negative binomial cure rate model and EM-based likelihood inference under Weibull lifetime (with S. Pal), *Statistics & Probability Letters*, **116**, 9-20.
- Generalized projection discrepancy and its applications in experimental designs (with H. Qin and K. Chatterjee), *Metrika*, **79**, 19-35.
- Representations of the inactivity time for coherent systems with heterogeneous components and some ordered properties (with Z. Zheng), *Metrika*, **79**, 113-126.
- Single change-point detection methods for small lifetime samples (with L. Bordes, C. Paroissin and J-F. Turlot), *Metrika*, **79**, 531-551.
- Likelihood ratio order of parallel systems with heterogeneous Weibull components (with L. Fang), *Metrika*, **79**, 693-703.
- Exact likelihood-based point and interval estimation for Laplace distribution based on Type-II right censored samples (with X. Zhu), *Journal of Statistical Computation and Simulation*, **86**, 29-54.
- A parametric test for trend based on moving order statistics (with T. Tan), *Journal of Statistical Computation and Simulation*, **86**, 641-655.

Linear estimation for the extended exponential power distribution (with S.E. Tumlinson and J.P. Keating), *Journal of Statistical Computation and Simulation*, **86**, 1392-1403.

Pitman comparisons of predictors of censored observations from progressively censored samples for exponential distribution (with M.Z. Raqab and A.A. Alkhalafan), *Journal of Statistical Computation and Simulation*, **86**, 1539-1558.

Mean-shift outliers model in skew scale-mixtures of normal distributions (with C.S. Ferreira and T.B. Mattos), *Journal of Statistical Computation and Simulation*, **86**, 2346-2361.

Flexible M/G/1 queueing system with state dependent service rate (with J. Rodrigues, S.M. Prado and F. Louzada), *Operations Research Letters*, **44**, 383-389.

A stochastic expectation-maximization algorithm for the analysis of system lifetime data with known signature (with Y. Yang and H.K.T. Ng), *Computational Statistics*, **31**, 609-641.

## **2015**

Logistic vector random fields with logistic direct and cross covariances (with C. Ma and R. Wang), *Journal of Statistical Planning and Inference*, **161**, 109-118.

EM algorithm for one-shot device testing with competing risks under exponential distribution (with H.Y. So and M.H. Ling), *Reliability Engineering and System Safety*, **137**, 129-140.

Tests for homogeneity of distributions of component lifetimes from system lifetime data with known system signature (with J. Zhang and H.K.T. Ng), *Naval Research Logistics*, **62**, 550-563.

Reliability inference on composite dynamic systems based on Burr Type-XII distribution (with N. Jiang, T-R. Tsai, Y.L. Lio and D-G. Chen), *IEEE Transactions on Reliability*, **64**, 144-153.

Stochastic comparisons of series and parallel systems With generalized exponential components (with A. Haidari and K. Masoumifard), *IEEE Transactions on Reliability*, **64**, 333-348.

Accelerated degradation analysis for the quality of a system based on the gamma process (with M.H. Ling and K.L. Tsui), *IEEE Transactions on Reliability*, **64**, 463-472.

Optimal design for accelerated-stress acceptance test based on Wiener process (with C-C. Tsai and C-T. Lin), *IEEE Transactions on Reliability*, **64**, 603-612.

Statistical inference of component lifetimes with location-scale distributions from censored system failure data with known signature (with J. Zhang and H.K.T. Ng, *IEEE Transactions on Reliability*, **64**, 613-626.

Goodness of fit using a new estimate of Kullback-Leibler information based on Type II censored data (with H.A. Noughabi), *IEEE Transactions on Reliability*, **64**, 627-635.

One-sided control charts based on precedence and weighted precedence statistics (with C. Paroissin and J.C. Turlot), *Quality and Reliability Engineering International*, **31**, 113-134.

Sequential precedence tests (with R. Gouet, F.J. Lopez and G. Sanz), *Statistics*, **49**, 224-238.

Empirical phi-divergence test statistics for testing simple and composite null hypotheses (with N. Martin and L. Pardo), *Statistics*, **49**, 951-977.



- Stochastic comparison of aggregate claim amounts between two heterogeneous portfolios and its applications (with G. Barmalzan and A.T.P. Najafabadi), *Insurance: Mathematics and Economics*, **61**, 235-241.
- Estimating the transition of individuals between life stages (with T.D. Drezner and Z. Drezner), *Environmetrics*, **26**, 526-533.
- Limit results for concomitants of order statistics (with A. Stepanov), *Metrika*, **78**, 385-397.
- Inference for the bivariate Birnbaum-Saunders lifetime regression model and associated inference (with X. Zhu), *Metrika*, **78**, 853-872.
- Birnbaum-Saunders distribution based on Laplace kernel and some properties and inferential issues (with X. Zhu), *Statistics & Probability Letters*, **101**, 1-10.
- On mixed  $\delta$ -shock models (with A. Parvardeh), *Statistics & Probability Letters*, **102**, 51-60.
- A generalization of quantile-based skew logistic distribution of van Staden and King (with H.Y. So), *Statistics & Probability Letters*, **107**, 44-51.
- Some properties of stochastic volatility model that are induced by its volatility sequence (with M. Rezapour), *Statistical Methodology*, **24**, 28-36.
- A uniqueness result for  $L$ -estimators with applications to  $L$ -moments (with J.R.M. Hosking), *Statistical Methodology*, **24**, 69-80.
- Comparisons of largest order statistics from multiple-outlier gamma models (with P. Zhao), *Methodology and Computing in Applied Probability*, **17**, 617-645.
- Prediction of order statistics and record values based on ordered ranked set sampling (with M. Salehi and J. Ahmadi), *Journal of Statistical Computation and Simulation*, **85**, 77-88.
- Study of incompatibility or near compatibility of bivariate discrete conditional probability distributions through divergence measures (with I. Ghosh), *Journal of Statistical Computation and Simulation*, **85**, 117-130.
- Residual life estimation based on bivariate non-stationary gamma degradation process (with X. Wang, B. Guo and P. Jiang), *Journal of Statistical Computation and Simulation*, **85**, 405-421.
- Recursive computation of the single and product moments of order statistics from the complementary exponential-geometric distribution (with X. Zhu and B. Al-Zahrani), *Journal of Statistical Computation and Simulation*, **85**, 2187-2201.
- Consistent estimation of parameters and quantiles of the three-parameter gamma distribution based on Type-II right-censored data (with H. Nagatsuka), *Journal of Statistical Computation and Simulation*, **85**, 2406-2424.
- Latent cure rate model under repair system and threshold effect (with J. Rodrigues, G.M. Cordeiro, M. de Castro and V.G. Cancho), *Journal of Statistical Computation and Simulation*, **85**, 2860-2873.
- An EM algorithm for the estimation of parameters of a flexible cure rate model with generalized gamma lifetime and model discrimination using likelihood- and information-based methods (with S. Pal), *Computational Statistics*, **30**, 151-189.

Pooled parametric inference for minimal repair systems (with M. Amini), *Computational Statistics*, **30**, 605-623.

A simple method for combining estimates to improve the overall error rates in classification (with M. Mojirsheibani), *Computational Statistics*, **30**, 1033-1049.

## **2014**

Trimmed Granger causality between two groups of time series (with Y-C. Hung and N-F. Tseng), *Electronic Journal of Statistics*, **8**, 1940-1972.

Some binary start-up demonstration tests and associated inferential methods (with M. Koutras and F. Milienos), *Annals of the Institute of Statistical Mathematics*, **66**, 759-787.

Dynamic network reliability modeling under nonhomogeneous Poisson processes (with S. Zarezadehand M. Asadi), *European Journal of Operational Research*, **232**, 561-571.

Stochastic orderings and aging properties of residual life-lengths of live components in  $(n - k + 1)$ -out-of- $n$  systems (with G. Barmalzan and A. Haidari), *Journal of Applied Probability*, **51**, 58-68.

On the signatures of ordered system lifetimes (with W. Volterman), *Journal of Applied Probability*, **51**, 82-91.

On the conditional residual life and inactivity time of coherent systems (with A. Parvardeh), *Journal of Applied Probability*, **51**, 990-998.

A robust extension of the bivariate BirnbaumSaunders distribution and associated inference (with F. Vilca and C.B. Zeller), *Journal of Multivariate Analysis*, **124**, 418-435.

On the Lorenz ordering of order statistics from exponential populations and some applications (with G. Da and M. Xu), *Journal of Multivariate Analysis*, **127**, 88-97.

On usual multivariate stochastic ordering of order statistics from heterogeneous beta variables (with G. Barmalzan and A. Haidari), *Journal of Multivariate Analysis*, **127**, 147-150.

Multivariate skew-normal generalized hyperbolic distribution and its properties (with F. Vilca and C.B. Zeller), *Journal of Multivariate Analysis*, **128**, 73-85.

A test for multivariate skew-normality based on its canonical form (with A. Capitanio and B. Scarpa), *Journal of Multivariate Analysis*, **129**, 19-32.

A stochastic inequality for the largest order statistics from heterogeneous gamma variables (with P. Zhao), *Journal of Multivariate Analysis*, **129**, 145-150.

Generating beta random numbers and Dirichlet random vectors in R: The package rBeta2009 (with C-W. Cheng and Y-C. Hung), *Computational Statistics & Data Analysis*, **71**, 1011-1020.

The bivariate sinh-elliptical distribution with applications to Birnbaum-Saunders distribution and associated regression and measurement error models (with F. Vilca and C.B. Zeller), *Computational Statistics & Data Analysis*, **80**, 1-16.

Residual life estimation based on a generalized Wiener degradation process (with X. Wang and B. Guo), *Reliability Engineering and System Safety*, **124**, 13-23.

- Gamma lifetimes and one-shot device testing analysis (with M.H. Ling), *Reliability Engineering and System Safety*, **126**, 54-64.
- Generalized mixtures of Weibull components (with M. Franco, D. Kundu and J-M. Vivo), *TEST*, **23**, 515-535.
- Best constant-stress accelerated life-test plans with multiple stress factors for one-shot device testing under a Weibull distribution (with M.H. Ling), *IEEE Transactions on Reliability*, **63**, 944-952.
- Regression via order statistics and their concomitants (with H.R. Chareh and A. Jamalizadeh), *Statistics*, **48**, 436-446.
- On the right spread ordering of parallel systems with two heterogeneous components (with P. Zhao), *Statistics*, **48**, 447-455.
- On the existence and uniqueness of the maximum likelihood estimates of the parameters of Birnbaum-Saunders distribution based on Type-I, Type-II and hybrid censored samples (with X. Zhu), *Statistics*, **48**, 1013-1032.
- Some Pitman closeness properties pertinent to symmetric populations (with M. Jafari Jozani and K.F. Davies), *Statistics*, **48**, 1380-1393.
- A COMPOisson type generalization of the binomial distribution and its properties and applications (with P. Borges, J. Rodrigues and J. Bazan), *Statistics and Probability Letters*, **87**, 158-166.
- Type II bivariate Plya-Aeppli distribution (with L. Minkova), *Statistics and Probability Letters*, **88**, 40-49.
- On the method of pivoting the CDF for exact confidence intervals with illustration for exponential mean under life-test with time constraints (with E. Cramer and G. Iliopoulos), *Statistics and Probability Letters*, **89**, 124-130.
- On the use of bivariate Mellin transform in bivariate random scaling and some applications (with A. Stepanov), *Methodology and Computing in Applied Probability*, **16**, 235-244.
- L-statistics from multivariate unified skew-elliptical distributions (with R.B. Arellano-Valle, A. Jamalizadeh and H. Mahmoodian), *Metrika*, **77**, 559-583.
- On extremes of bivariate residual lifetimes from generalized Marshall-Olkin and time transformed exponential models (with Y. You and X. Li), *Metrika*, **77**, 1041-1056.
- On generalized Wishart distributions - I: Likelihood ratio test for homogeneity of covariance matrices (with F. Caro and G. Gonzalez-Farias), *Sankhyā, Series A*, **76**, 179-194.
- On generalized Wishart distributions - II: Sphericity test (with F. Caro and G. Gonzalez-Farias), *Sankhyā, Series A*, **76**, 195-218.
- Likelihood estimation for a general class of inverse exponentiated distributions based on complete and progressively censored data (with M.E. Ghitany and V.K. Tuan), *Journal of Statistical Computation and Simulation*, **84**, 96-106.
- Two-sample Bayesian prediction for sequential order statistics from exponential distribution based on multiply Type-II censored samples (with A.R. Shafay and K.S. Sultan), *Journal of Statistical Computation and Simulation*, **84**, 526-544.

- Nonparametric prediction of future order statistics (with W. Volterman, K. Davies and J. Ahmadi), *Journal of Statistical Computation and Simulation*, **84**, 683-695.
- Planning step-stress test under Type-I censoring for the exponential case (with C-T. Lin and C-C. Chou), *Journal of Statistical Computation and Simulation*, **84**, 819-832.
- Prediction based on linear combinations of order statistics and bivariate concomitants in the case of multivariate elliptical distributions (with S.Z. Aghamohammadia, A. Jamalizadeh and R. Farnoosh), *Journal of Statistical Computation and Simulation*, **84**, 1079-1098.
- On the likelihood estimation of the parameters of Gompertz distribution based on complete and progressively Type-II censored samples (with M.E. Ghitany and F. Alqallaf), *Journal of Statistical Computation and Simulation*, **84**, 1803-1812.
- An improved method of estimation for the parameters of the BirnbaumSaunders distribution (with X. Zhu), *Journal of Statistical Computation and Simulation*, **84**, 2285-2294.
- A method for estimating parameters and quantiles of the three-parameter inverse Gaussian distribution based on statistics invariant to unknown location (with H. Nagatsuka), *Journal of Statistical Computation and Simulation*, **84**, 2361-2377.
- Bayesian inference based on a jointly type-II censored sample from two exponential populations (with A.R. Shafay and Y. Abdel-Aty), *Journal of Statistical Computation and Simulation*, **84**, 2427-2440.
- Partial or complete characterization of a bivariate distribution based on one conditional distribution and partial specification of the mode function of the other conditional distribution (with I. Ghosh), *Statistical Methodology*, **16**, 1-13.
- Uniformly most powerful test with two-dimensional minimal sufficient statistic (with G. Bar-malzan and A. Haidari), *Statistical Methodology*, **16**, 83-89.
- COM-Poisson cure rate models and associated likelihood-based inference with exponential and Weibull lifetimes (with S. Pal), In: *Applied Reliability Engineering and Risk Analysis* (Eds., I.B. Frenkel, A. Karagrigoriou, A. Lisnianski and A. Kleyner), Chapter 22, pp. 308-348, John Wiley & Sons, Chichester, UK.

## **2013**

- Mixture representations for the joint distribution of lifetimes of two coherent systems with shared components (with J. Navarro and F.J. Samaniego), *Advances in Applied Probability*, **45**, 1011-1027.
- Scale mixtures of Kotz-Dirichlet distributions (with E. Hashorva), *Journal of Multivariate Analysis*, **113**, 48-58.
- Hazard rate comparison of parallel systems with heterogeneous gamma components (with P. Zhao), *Journal of Multivariate Analysis*, **113**, 153-160.
- Determinants, permanents and some applications to statistical shape theory (with F.J. Carro-Lopera and G. Gonzalez-Farias), *Journal of Multivariate Analysis*, **114**, 29-39.
- Generalized multivariate Birnbaum-Saunders distributions and related inferential issues (with D. Kundu and A. Jamalizadeh), *Journal of Multivariate Analysis*, **116**, 230-244.

- Hypothesis testing in a generic nesting framework for general distributions (with N. Martin), *Journal of Multivariate Analysis*, **118**, 1-23.
- Factor aliased effect number pattern and experimental planning (with Q. Zhou and R. Zhang), *The Canadian Journal of Statistics*, **41**, 540-555.
- Differential smoothing in the bivariate exponentially weighted moving average chart (with I. Huh and R. Viveros-Aguilera), *Journal of Quality Technology*, **45**, 377-393.
- A meta-analysis of multi-sample Type-II censored data with parametric and nonparametric results (with W. Volterman and L. Zhang), *IEEE Transactions on Reliability*, **62**, 2-12.
- Expectation maximization algorithm for one shot device accelerated life testing with Weibull lifetimes, and variable parameters over stress (with M.H. Ling), *IEEE Transactions on Reliability*, **62**, 537-551.
- Likelihood inference based on left truncated and right censored data from a gamma distribution (with D. Mitra), *IEEE Transactions on Reliability*, **62**, 679-688.
- Influence diagnostics in linear and nonlinear mixed-effects models with censored data (with L.A. Matos, V.H. Lachos and F.V. Labra), *Computational Statistics & Data Analysis*, **57**, 450-464.
- A consistent method of estimation for the three-parameter Weibull distribution (with H. Nagatsuma and T. Kamakura), *Computational Statistics & Data Analysis*, **58**, 210-226.
- Power Lindley distribution and associated inference (with M.E. Ghitany, D.K. Al-Mutairi and L.J. Al-Enezi), *Computational Statistics & Data Analysis*, **64**, 20-33.
- Nonparametric meta-analysis of independent samples of records (with M. Amini), *Computational Statistics & Data Analysis*, **66**, 70-81.
- Lognormal lifetimes and likelihood-based inference for flexible cure rate models based on COM-Poisson family (with S. Pal), *Computational Statistics & Data Analysis*, **67**, 41-67.
- On a class of generalized Marshall-Olkin bivariate distributions and some reliability characteristics (with R.C. Gupta and S.N.U.A. Kirmani), *Probability in the Engineering and Informational Sciences*, **27**, 261-275.
- On dynamic proportional mean residual life model (with A.K. Nanda and S. Das), *Probability in the Engineering and Informational Sciences*, **27**, 553-588.
- Conditional residual lifetimes of coherent systems (with A. Parvardeh), *Statistics & Probability Letters*, **83**, 2664-2672.
- A note on "Maximum distributions for  $l_2, p$ -symmetric vectors are skewed  $l_1, p$ -symmetric distributions" by Batn-Cutz et al. (2013) (with A. Jamalizadeh), *Statistics & Probability Letters*, **83**, 2522-2523.
- Pitman closeness results for Type-I censored data from exponential distribution (with K. Davies), *Statistics & Probability Letters*, **83**, 2693-2698.
- Simultaneous Pitman closeness of progressively Type-II right-censored order statistics to population quantiles (with W. Volterman and K.F. Davies), *Statistics*, **47**, 439-452.

- On the existence and uniqueness of the MLEs of the parameters of a general class of exponentiated distributions (with M.E. Ghitany and R.A. Al-Jarallah), *Statistics*, **47**, 605-612.
- Pareto analysis based on records (with M. Doostparast), *Statistics*, **47**, 1075-1089.
- Two-sample Pitman closeness comparison under progressive Type-II censoring (with W. Volterman and K. Davies), *Statistics*, **47**, 1305-1320.
- Generating functions of waiting times and numbers of visits for random walks on graphs with K. Inoue and S. Aki), *Methodology and Computing in Applied Probability*, **15**, 349-362.
- Runs based on records: Their distributional properties and an application to testing for dispersive ordering (with A. Stepanov), *Methodology and Computing in Applied Probability*, **15**, 583-594.
- Goodness-of-fit tests for progressively Type-II censored data from location-scale distributions (with R. Pakyari), *Journal of Statistical Computation and Simulation*, **83**, 167-178.
- Exact Bayesian variable sampling plans for the exponential distribution with progressive hybrid censoring: Erratum (with C-T. Lin and Y-L. Huang), *Journal of Statistical Computation and Simulation*, **83**, 402-404.
- Bivariate degradation analysis of products based on Wiener processes and copulas (with Z. Pan, Q. Sun and J. Zhou), *Journal of Statistical Computation and Simulation*, **83**, 1316-1329.
- Distribution-free comparison of hazard rates of two distributions under progressive type-II censoring (with M. Sharafi and B.E. Khaledi), *Journal of Statistical Computation and Simulation*, **83**, 1527-1542.
- Parameter and quantile estimation for the three-parameter lognormal distribution based on statistics invariant to unknown location (with H. Nagatsuka), *Journal of Statistical Computation and Simulation*, **83**, 1629-1647.
- Recurrence relations for single and product moments of progressively Type-II censored order statistics from a generalized half-logistic distribution with application to inference (with H.M. Saleh), *Journal of Statistical Computation and Simulation*, **83**, 1704-1721.
- Planning step-stress test plans under Type-I censoring for the log-location-scale case (with C-T. Lin and C-C. Chou), *Journal of Statistical Computation and Simulation*, **83**, 1852-1867.
- A consistent method of estimation for the parameters of the three-parameter inverse Gaussian distribution (with H. Nagatsuka), *Journal of Statistical Computation and Simulation*, **83**, 1915-1931.
- Testing exponentiality based on Type-I censored data (with R. Pakyari), *Journal of Statistical Computation and Simulation*, **83**, 2369-2378 .
- An information theoretical algorithm for analyzing supersaturated designs for a binary response (with C. Koukouvinos and C. Parpoula), *Metrika*, **76**, 1-18.
- On the goodness-of-fit procedure for normality based on the empirical characteristic function for ranked set sampling data (with A.J. Quiroz and M.R. Brito), *Metrika*, **76**, 161-177.
- On the nearness of record values to order statistics from Pitmans measure of closeness (with J. Ahmadi), *Metrika*, **76**, 521-541.

- Compound weighted Poisson distributions (with L. Minkova), *Metrika*, **76**, 543-558.
- On properties of dependent progressively Type-II censored order statistics (with M. Rezapour and M.H. Alamatsaz, *Metrika*, **76**, 909-917.
- Computational aspects of statistical intervals based on two Type-II censored samples (with E. Beutner and E. Cramer), *Computational Statistics*, **28**, 893-917.
- Efficient iterative computation of mixture weights for pooled order statistics for meta-analysis of multiple Type-II right censored data (with W. Volterman), *Computational Statistics*, **28**, 2231-2239.
- On properties of progressively Type-II censored order statistics arising from dependent and non-identical random variables (with M. Rezapour, M.H. Alamatsaz and E. Cramer), *Statistical Methodology*, **10**, 58-71.
- On some exact distributional results based on Type-I progressively hybrid censored data from exponential distributions (with E. Cramer), *Statistical Methodology*, **10**, 128-150.
- Estimators based on trimmed Kendalls tau in multivariate copula models (with M. Rezapour), *Statistical Methodology*, **15**, 55-72.
- A simple and efficient method of estimation of the parameters of a bivariate Birnbaum-Saunders distribution based on Type-II censored samples (with X. Zhu), In: *Multivariate Statistics - Theory and Applications* (Ed., T. Kollo), pp. 34-47, World Scientific Publishing, Singapore.
- Generalized logit-based proportional hazards models and their applications in survival and reliability analysis, In: *Stochastic Reliability and Maintenance Modeling* (Eds., T. Dohi and T. Nakagawa), pp. 1-16, Springer, New York.

## **2012**

- A Bayesian destructive weighted Poisson cure rate model and an application to a cutaneous melanoma data (with J. Rodrigues, V.G. Cancho and M. de Castro), *Statistical Methods in Medical Research*, **21**, 585-597.
- On the residual and inactivity times of the components of used coherent systems (with S. Golforushani and M. Asadi), *Journal of Applied Probability*, **49**, 385-404.
- Connection between the Hadamard and matrix products with an application to matrix-variate Birnbaum-Saunders distributions (with F.J. Caro-Lopera and V. Leiva), *Journal of Multivariate Analysis*, **104**, 126-139.
- Increasing directionally convex orderings of random vectors having the same copula, and their use in comparing ordered data (with F. Belzunce, M.A. Sordo and A. Suarez-Llorens), *Journal of Multivariate Analysis*, **105**, 45-54.
- Multivariate measures of skewness for the skew-normal distribution (with B. Scarpa), *Journal of Multivariate Analysis*, **104**, 73-87.
- On the sample ranges from heterogeneous exponential variables (with M. Xu), *Journal of Multivariate Analysis*, **109**, 1-9.
- A sequential order statistics approach to step-stress testing (with U. Kamps and M. Kateri), *Annals of the Institute of Statistical Mathematics*, **64**, 303-318.

- A proposed measure of residual life of live components of a coherent system (with M. Asadi), *IEEE Transactions on Reliability*, **61**, 41-49.
- Multiple-stress model for one-shot device testing data under exponential distribution (with M.H. Ling), *IEEE Transactions on Reliability*, **61**, 809-821.
- A general purpose approximate goodness-of-fit test for progressively Type-II censored data (with R. Pakyari), *IEEE Transactions on Reliability*, **61**, 238-244.
- Optimal design for degradation tests based on gamma processes with random effects (with C-C. Tsai and S-T. Tseng), *IEEE Transactions on Reliability*, **61**, 604-613.
- Parametric inference for component distributions from lifetimes of systems with dependent components (with H.K.T. Ng and J. Navarro), *Naval Research Logistics*, **59**, 487-496.
- A class of correlated weighted Poisson processes (with P. Borges and J. Rodrigues), *Journal of Statistical Planning and Inference*, **142**, 366-375.
- Concomitants of order statistics from multivariate elliptical distributions (with A. Jamalizadeh), *Journal of Statistical Planning and Inference*, **142**, 397-409.
- A consistent parameter estimation in the three-parameter lognormal distribution (with H. Nagatsuka), *Journal of Statistical Planning and Inference*, **142**, 2071-2086.
- Parameter and quantile estimation for the three-parameter gamma distribution based on statistics invariant to unknown location (with H. Nagatsuka), *Journal of Statistical Planning and Inference*, **142**, 2087-2102.
- EM algorithm for one-shot device testing under the exponential distribution (with M.H. Ling), *Computational Statistics & Data Analysis*, **56**, 502-509.
- Shape and change point analyses of the Birnbaum-Saunders-t hazard rate and associated estimation (with C. Azevedo, V. Leiva and E. Athayde), *Computational Statistics & Data Analysis*, **56**, 3887-3897.
- Computation of optimal plotting points based on Pitman closeness with an application to goodness-of-fit for location-scale families (with K.F. Davies, J.P. Keating and R.L. Mason), *Computational Statistics & Data Analysis*, **56**, 2637-2649.
- Left truncated and right censored Weibull data and likelihood inference with an illustration (with D. Mitra), *Computational Statistics & Data Analysis*, **56**, 4011-4025.
- Correlated destructive generalized power series cure rate models and associated inference with an application to a cutaneous melanoma data (with P. Borges and J. Rodrigues), *Computational Statistics & Data Analysis*, **56**, 1703-1713.
- Exact nonparametric meta-analysis for multiple independent doubly Type-II censored samples (with W. Volterman and E. Cramer), *Computational Statistics & Data Analysis*, **56**, 1243-1255.
- Monotonicity properties of residual lifetimes of parallel systems and inactivity times of series systems with heterogeneous components (with W. Ding and X. Li), *Probability in the Engineering and Informational Sciences*, **26**, 61-75.



- Stochastic comparisons of largest order statistics from multiple-outlier exponential models (with P. Zhao), *Probability in the Engineering and Informational Sciences*, **26**, 159-182.
- Log-concavity and monotonicity of hazard and reversed hazard functions of univariate and multivariate skew-normal distributions (with R.C. Gupta), *Metrika*, **75**, 181-191.
- Parametric inference from system lifetime data under a proportional hazard rate model (with H.K.T. Ng and J. Navarro), *Metrika*, **75**, 367-388.
- Fisher information in bivariate record values from a sample of fixed size (with M. Amini and J. Ahmadi), *Statistics*, **46**, 23-39.
- Nonlinear regression in a trivariate elliptical distribution via a linear combination of order statistics (with S.H. Ong, M. Habibi and A. Jamalizadeh), *Statistics*, **46**, 605-619.
- Exact distribution of the MLEs of the parameters and of the quantiles of two-parameter exponential distribution under hybrid censoring (with A. Childs and B. Chandrasekar), *Statistics*, **46**, 441-458.
- Asymptotic properties of numbers of observations near sample quantiles (with G. Iliopoulos and A. Dembinska), *Statistics*, **46**, 85-97.
- Pitman closeness results concerning ranked set sampling (with M. Jafari Jozani and K.F. Davies), *Statistics & Probability Letters*, **82**, 2260-2269.
- A multivariate discrete Poisson-Lindley distribution: Extensions and actuarial applications (with E. Gomez-Deniz and J.M. Sarabia), *Astin Bulletin*, **42**, 655-678.
- Bayesian prediction of k-record values based on progressively censored data from exponential distribution (with J. Ahmadi and S.M.T.K. MirMostafae), *Journal of Statistical Computation and Simulation*, **82**, 51-62.
- A very flexible hybrid censoring scheme and its Fisher information (with S. Park), *Journal of Statistical Computation and Simulation*, **82**, 41-50.
- Estimation for the three-parameter inverse Gaussian distribution under progressive Type-II censoring (with P. Basak), *Journal of Statistical Computation and Simulation*, **82**, 1055-1072.
- The gamma-exponentiated exponential distribution (with M. Ristic), *Journal of Statistical Computation and Simulation*, **82**, 1191-1206.
- Jacobi and Laguerre polynomial approximations for the distributions of statistics useful in testing for outliers in exponential and gamma samples (with D. Sanjel), *Journal of Statistical Computation and Simulation*, **82**, 463-473.
- Estimation for the three-parameter gamma distribution based on progressively censored data (with I. Basak), *Statistical Methodology*, **9**, 305-319.
- Analysis of supersaturated design using entropy prior complexity for binary responses via generalized linear models (with C. Koukouvinos and C. Parpoula), *Statistical Methodology*, **9**, 478-485.
- Pitman closeness as a criterion for the determination of the optimal progressive censoring scheme (with W. Volterman and K.F. Davies), *Statistical Methodology*, **9**, 563-572.

## 2011

- Nonparametric inference based on panel count data (with X. Zhao and J. Sun), *Test*, **20**, 1-71 (with Discussions).
- Forms of four-word indicator functions with implications to two-level factorial designs (with P. Yang), *Annals of the Institute of Statistical Mathematics*, **63**, 375-386.
- A class of multi-sample nonparametric tests for panel count data (with X. Zhao), *Annals of the Institute of Statistical Mathematics*, **63**, 135-156.
- Signature-based representations for the reliability of systems with heterogeneous components (with J. Navarro and F.J. Samaniego), *Journal of Applied Probability*, **48**, 856-867.
- On the convolution of heterogeneous Bernoulli random variables (with M. Xu), *Journal of Applied Probability*, **48**, 877-884.
- On Pearson-Kotz Dirichlet distributions (with E. Hashorva), *Journal of Multivariate Analysis*, **102**, 948-957.
- Modeling parameters of a load-sharing system through link functions in sequential order statistics models and associated inference (with E. Beutner and U. Kamps), *IEEE Transactions on Reliability*, **60**, 605-611.
- Linear inference for Type-II censored lifetime data of reliability systems with known signatures (with H.K.T. Ng and J. Navarro), *IEEE Transactions on Reliability*, **60**, 426-440.
- Goodness-of-fit test based on Kullback-Leibler information for progressively Type-II censored data (with A. Habibi Rad and F. Yousefzadeh), *IEEE Transactions on Reliability*, **60**, 570-579.
- Optimal burn-in policy for highly reliable products using gamma degradation process (with C-C. Tsai and S-T. Tseng), *IEEE Transactions on Reliability*, **60**, 234-245.
- Relations for moments of progressively Type-II censored order statistics from half-logistic distribution with applications to inference (with H.M. Saleh), *Computational Statistics & Data Analysis*, **55**, 2775-2792.
- Optimal allocation of change points in simple step-stress experiments under Type-II censoring (with M. Kateri and U. Kamps), *Computational Statistics & Data Analysis*, **55**, 236-247.
- A unified view on lifetime distributions arising from selection mechanisms (with J. Rodrigues, G.M. Cordeiro and M. de Castro), *Computational Statistics & Data Analysis*, **55**, 3311-3319.
- Robust likelihood inference for regression parameters in partially linear models (with C-W. Shen and T-S. Tsou), *Computational Statistics & Data Analysis*, **55**, 1696-1714.
- Estimation of extreme percentiles in Birnbaum-Saunders distribution (with F. Vilca, L. Santana and V. Leiva), *Computational Statistics and Data Analysis*, **55**, 1665-1678.
- Recurrence relations for moments of progressively censored order statistics from logistic distribution with applications to inference (with E.K. AL-Hussaini and H.M. Saleh), *Journal of Statistical Planning and Inference*, **141**, 17-30.

- On some mixture models based on the Birnbaum-Saunders distribution and associated inference (with R.C. Gupta, D. Kundu, V. Leiva and A. Sanhueza), *Journal of Statistical Planning and Inference*, **141**, 2175-2190.
- Likelihood inference for lognormal data with left truncation and right censoring with an illustration (with D. Mitra), *Journal of Statistical Planning and Inference*, **141**, 3536-3553.
- Reliability properties of generalized mixtures of Weibull distributions with a common shape parameter (with M. Franco and J.M. Vivo), *Journal of Statistical Planning and Inference*, **141**, 2600-2613.
- Exact likelihood inference for Laplace distribution based on Type-II censored samples (with G. Iliopoulos), *Journal of Statistical Planning and Inference*, **141**, 1224-1239.
- Optimal designs for tumor regrowth models (with G. Li), *Journal of Statistical Planning and Inference*, **141**, 644-654.
- A class of exceedance-type statistics for the two-sample problem (with E. Stoimenova), *Journal of Statistical Planning and Inference*, **141**, 3244-3255.
- A random-sum Wilcoxon statistic and its application to analysis of ROC and LROC data (with L.L. Tang), *Journal of Statistical Planning and Inference*, **141**, 335-344.
- Mis-specification analyses of gamma and Wiener degradation processes (with C-C. Tsai and S-T. Tseng), *Journal of Statistical Planning and Inference*, **141**, 3725-3735.
- A Jonckheere-Terpstra-type test for perfect ranking in balanced ranked set sampling (with M. Vock), *Journal of Statistical Planning and Inference*, **141**, 624-630.
- MRL ordering of parallel systems with two heterogeneous components (with P. Zhao), *Journal of Statistical Planning and Inference*, **141**, 631-638.
- Destructive weighted Poisson cure rate models (with J. Rodrigues, M. de Castro and V.G. Cancho), *Lifetime Data Analysis*, **17**, 333-346.
- Bayesian prediction of order statistics based on k-record values from exponential distribution (with J. Ahmadi and S.M.T.K. MirMostafae), *Statistics*, **45**, 375-387.
- Characterizations of geometric distribution through progressively Type-II right-censored order statistics (with E. Cramer and A. Dembinska), *Statistics*, **45**, 559-573.
- Optimal sample size allocation for multi-level stress testing with Weibull regression under Type-II censoring (with C.Y. Ka, P.S. Chan and H.K.T. Ng), *Statistics*, **45**, 257-279.
- Fisher information in progressive hybrid censoring schemes (with S. Park and S.W. Kim), *Statistics*, **45**, 623-631.
- Some characterization results for parallel systems with two heterogeneous exponential components (with P. Zhao), *Statistics*, **45**, 593-604.
- New results on comparisons of parallel systems with heterogeneous gamma components (with P. Zhao), *Statistics & Probability Letters*, **81**, 36-44.
- Exact inference for progressively Type-I censored exponential failure data (with D. Han and G. Iliopoulos), *Metrika*, **73**, 335-358.

- Asymptotic properties of maximum likelihood estimators based on progressive Type-II censoring (with C-T. Lin), *Metrika*, **74**, 349-360.
- Dispersive ordering of fail-safe systems with heterogeneous exponential components (with P. Zhao), *Metrika*, **74**, 203-210.
- On simultaneous closeness probabilities of order statistics from odd sample sizes to the population median (with J.P. Keating), *Statistical Methodology*, **8**, 462-467.
- Reliability modeling of degradation of products with multiple performance characteristics based on gamma processes (with Z. Pan), *Reliability Engineering and System Safety*, **96**, 949-957.
- On Pitmans measure of closeness of k-records (with J. Ahmadi), *Journal of Statistical Computation and Simulation*, **81**, 497-509.
- Pitman closeness, monotonicity and consistency of best linear unbiased and invariant estimators for exponential distribution under Type II censoring (with K.F. Davies, J.P. Keating and R.L. Mason), *Journal of Statistical Computation and Simulation*, **81**, 985-999.
- Bayesian analysis for the two-parameter Pareto distribution based on record values and times (with M. Doostparast and M.G. Akbari), *Journal of Statistical Computation and Simulation*, **81**, 1393-1403.
- Evaluation of algorithms for generating Dirichlet random vectors (with Y.C. Hung and C.W. Cheng), *Journal of Statistical Computation and Simulation*, **81**, 445-459.
- Exact Bayesian variable sampling plans for the exponential distribution with progressive hybrid censoring (with C-T. Lin and Y-L. Huang), *Journal of Statistical Computation and Simulation*, **81**, 873-882.

## **2010**

- The joint signature of coherent systems with shared components (with J. Navarro and F. Samaniego), *Journal of Applied Probability*, **47**, 235-253.
- Distributions of order statistics and linear combinations of order statistics from an elliptical distribution as mixtures of unified elliptical distributions (with A. Jamalizadeh), *Journal of Multivariate Analysis*, **101**, 1412-1427.
- Bivariate Birnbaum-Saunders distribution and associated inference (with D. Kundu and A. Jamalizadeh), *Journal of Multivariate Analysis*, **101**, 113-125.
- Study of some measures of dependence between order statistics and systems (with J. Navarro), *Journal of Multivariate Analysis*, **101**, 52-67.
- Applications of average and projected systems to the study of coherent systems (with J. Navarro and F. Spizzichino), *Journal of Multivariate Analysis*, **101**, 1471-1482.
- Minimum-distance parametric estimation under progressive Type-I censoring (with L. Bordes and X. Zhao), *IEEE Transactions on Reliability*, **59**, 413-425.
- Mean residual life function, associated orderings and properties (with A. Nanda and S. Bhattacharjee), *IEEE Transactions on Reliability*, **59**, 55-65.

- Exact two-sample nonparametric confidence, prediction, and tolerance intervals based on ordinary and progressively type-II right censored data (with E. Beutner and E. Cramer), *Test*, **19**, 68-91.
- Simultaneous closeness among order statistics to population quantiles (with K. Davies, J.P. Keating and R.L. Mason), *Journal of Statistical Planning and Inference*, **140**, 2408-2415.
- Some nonparametric precedence-type tests based on progressively censored samples and evaluation of power (with R.C. Tripathi, N. Kannan and H.K.T. Ng), *Journal of Statistical Planning and Inference*, **140**, 559-573.
- Precedence-type test based on Kaplan-Meier estimator of cumulative distribution function (with H.K.T. Ng), *Journal of Statistical Planning and Inference*, **140**, 2295-2311.
- Exact nonparametric confidence, prediction and tolerance intervals based on multi-sample Type-II right censored data (with W. Volterman), *Journal of Statistical Planning and Inference*, **140**, 3306-3316.
- A nonparametric test for the equality of counting processes with panel count data (with X. Zhao), *Computational Statistics & Data Analysis*, **54**, 135-142.
- Inference for a simple step-stress model with competing risks for failure from the exponential distribution under time constraint (with D. Han), *Computational Statistics & Data Analysis*, **54**, 2066-2081.
- Estimation of the Birnbaum-Saunders regression model with current status data (with Q. Xiao, Z. Liu and X. Lu), *Computational Statistics & Data Analysis*, **54**, 326-332.
- Influence analyses of skew-normal/independent linear mixed models (with C.B. Zeller, F.V. Labra and V.H. Lachos), *Computational Statistics & Data Analysis*, **54**, 1266-1280.
- Univariate and multivariate likelihood ratio ordering of generalized order statistics and associated conditional variables (with F. Belzunce, N. Hami and B.E. Khaledi), *Probability in the Engineering and Informational Sciences*, **24**, 441-455.
- Prediction of order statistics and record values from two independent sequences (with J. Ahmadi), *Statistics*, **44**, 417-430.
- On the asymptotic independence of numbers of observations near order statistics (with A. Dembinska), *Statistics*, **54**, 517-528.
- Stochastic monotonicity of the MLEs of parameters in exponential simple step-stress models under Type-I and Type-II censoring (with G. Iliopoulos), *Metrika*, **72**, 89-109.
- Percentile estimators in location-scale parameter families under absolute loss (with J.P. Keating and R.L. Mason), *Metrika*, **72**, 351-367.
- Optimal sample size for record data and associated cost analysis for exponential distribution (with M. Doostparast), *Journal of Statistical Computation and Simulation*, **80**, 1389-1401.
- Pitman closeness of current records for location-scale families (with J. Ahmadi), *Statistics & Probability Letters*, **80**, 1577-1583.
- Nonparametric prediction intervals for future record intervals based on order statistics (with J. Ahmadi and S.M.T.K. MirMostafae), *Statistics & Probability Letters*, **80**, 1663-1672.

- Order statistics and linear combination of order statistics arising from a bivariate selection normal distribution (with A. Jamalizadeh and M. Salehi), *Statistics & Probability Letters*, **80**, 445-451.
- Ordering properties of convolutions of heterogeneous Erland and Pascal random variables (with P. Zhao), *Statistics & Probability Letters*, **80**, 969-974.
- An odd property of sample median from odd sample sizes (with G. Iliopoulos), *Statistical Methodology*, **7**, 678-686.
- Multi-sample simple step-stress experiment under time constraints (with M. Kateri and U. Kamps), *Statistica Neerlandica*, **64**, 77-96.

## **2009**

- New multi-sample nonparametric tests for panel count data (with X. Zhao), *The Annals of Statistics*, **37**, 1112-1149.
- An exact control-versus-treatment comparison test based on ranked set samples (with O. Ozturk), *Biometrics*, **65**, 1213-1222.
- Run and frequency quota rules in process monitoring and acceptance sampling (with S. Bersimis and M.V. Koutras), *Journal of Quality Technology*, **41**, 66-81.
- Order restricted inference for exponential step-stress models (with E. Beutner and M. Kateri), *IEEE Transactions on Reliability*, **58**, 132-142.
- Optimal step-stress accelerated degradation test plan for gamma degradation processes (with S-T. Tseng and C-C. Tsai), *IEEE Transactions on Reliability*, **58**, 611-618.
- Dynamic signatures and their use in comparing the reliability of new and used systems (with F.J. Samaniego and J. Navarro), *Naval Research Logistics*, **56**, 577-591.
- Exact two-sample nonparametric test for quantile difference between two populations based on ranked set samples (with O. Ozturk), *Annals of the Institute of Statistical Mathematics*, **61**, 235-249.
- Exact inference for a simple step-stress model from the exponential distribution under time constraint (with Q. Xie and D. Kundu), *Annals of the Institute of Statistical Mathematics*, **61**, 251-274.
- Stochastic monotonicity of the MLE of exponential mean under different censoring schemes (with G. Iliopoulos), *Annals of the Institute of Statistical Mathematics*, **61**, 753-772.
- Proportional hazards regression under progressive Type-II censoring (with S. Alvarez-Andrade and L. Bordes), *Annals of the Institute of Statistical Mathematics*, **61**, 887-903.
- Likelihood ratio order of the second order statistic from independent heterogeneous exponential random variables (with P. Zhao and X. Li), *Journal of Multivariate Analysis*, **100**, 952-962.
- Mean residual life order of convolutions of heterogeneous exponential random variables (with P. Zhao), *Journal of Multivariate Analysis*, **100**, 1792-1801.
- Planning life tests with progressively Type-I interval censored data from the lognormal distribution (with C-T. Lin and S.J.W. Wu), *Journal of Statistical Planning and Inference*, **139**, 54-61.

- Erratum to “Progressively Type-II right censored order statistics from discrete distributions” (with A. Dembinska), *Journal of Statistical Planning and Inference*, **139**, 1572-1574.
- Optimal step-stress testing for progressively Type-I censored data from exponential distribution (with D. Han), *Journal of Statistical Planning and Inference*, **139**, 1782-1798.
- A meta-analysis approach for step-stress experiments (with M. Kateri and U. Kamps), *Journal of Statistical Planning and Inference*, **139**, 2907-2919.
- Stochastic comparisons and properties of conditional generalized order statistics (with P. Zhao), *Journal of Statistical Planning and Inference*, **139**, 2920-2932.
- Characterization of MRL order of fail-safe systems with heterogeneous exponential components (with P. Zhao), *Journal of Statistical Planning and Inference*, **139**, 3027-3037.
- De-aliasing effects using semifoldover techniques (with P. Yang), *Journal of Statistical Planning and Inference*, **139**, 3102-3111.
- Nonparametric control charts based on runs and Wilcoxon-type rank-sum statistics (with I.S. Triantafyllou and M.V. Koutras), *Journal of Statistical Planning and Inference*, **139**, 3177-3192.
- COM-Poisson cure rate survival models and an application to a cutaneous melanoma data (with J. Rodrigues, M. de Castro and V.G. Cancho), *Journal of Statistical Planning and Inference*, **139**, 3605-3611.
- Semiparametric estimation for count data through weighted distributions (with C.C. Kokonendji and T. Senga Kiese), *Journal of Statistical Planning and Inference*, **139**, 3625-3638.
- Order statistics from trivariate normal and  $t_\nu$ -distributions in terms of generalized skew-normal and skew- $t_\nu$  distributions (with A. Jamalizadeh), *Journal of Statistical Planning and Inference*, **139**, 3799-3819.
- Recurrence relations for distributions of a skew- $t$  and a linear combination of order statistics from a bivariate- $t$  (with A. Jamalizadeh and M. Khosravi), *Computational Statistics & Data Analysis*, **53**, 847-852.
- Exact computation of the null distribution of a test for multiple outliers in an exponential sample (with C-T. Lin), *Computational Statistics & Data Analysis*, **53**, 3281-3290.
- Estimation for the three-parameter lognormal distribution based on progressively censored data (with P. Basak and I. Basak), *Computational Statistics & Data Analysis*, **53**, 3580-3592.
- Recurrence relations for bivariate  $t$  and extended skew- $t$  distributions and an application to order statistics from bivariate  $t$  (with A. Jamalizadeh and Y. Mehrali), *Computational Statistics & Data Analysis*, **53**, 4018-4027.
- A synthesis of exact inferential results for exponential step-stress models and associated optimal accelerated life-tests, *Metrika*, **69**, 351-396.
- Reconstruction of past records (with M. Doostparast and J. Ahmadi), *Metrika*, **70**, 89-109.
- Mixture inverse Gaussian distributions and its transformations, moments and applications (with V. Leiva, A. Sanhueza and E. Cabrera), *Statistics*, **43**, 91-104.

- Current  $k$ -records and their use in distribution-free confidence intervals (with J. Ahmadi and M. Razmkhah), *Statistics & Probability Letters*, **79**, 29-37.
- Stochastic comparison and monotonicity of inactive record values (with P. Zhao), *Statistics & Probability Letters*, **79**, 566-572.
- Conditional independence of blocked ordered data (with G. Iliopoulos), *Statistics & Probability Letters*, **79**, 1008-1015.
- On simple calculation of the Fisher information in hybrid censoring schemes (with S. Park), *Statistics & Probability Letters*, **79**, 1311-1319.
- Minimal repair under a step-stress test (with U. Kamps and M. Kateri), *Statistics & Probability Letters*, **79**, 1548-1558.
- Likelihood ratio ordering of convolutions of heterogeneous exponential and geometric random variables (with P. Zhao), *Statistics & Probability Letters*, **79**, 1717-1723.
- Pitman closeness of sample median to population median (with G. Iliopoulos, J.P. Keating and R.L. Mason), *Statistics & Probability Letters*, **79**, 1759-1766.
- Some results on order statistics generated by two simulation methods (with E. Cramer and K. Davies), *Statistics & Probability Letters*, **79**, 1847-1857.
- Pitman closeness of record values to population quantiles (with J. Ahmadi), *Statistics & Probability Letters*, **79**, 2037-2044.
- Prediction in a trivariate normal distribution via a linear combination of order statistics (with A. Jamalizadeh), *Statistics & Probability Letters*, **79**, 2289-2296.
- The Bayesian approach for highly reliable electro-explosive devices using one-shot device testing (with T-H. Fan and C-C. Chang), *Journal of Statistical Computation and Simulation*, **79**, 1143-1154.
- Distribution-free confidence intervals for quantiles and tolerance intervals in terms of  $k$ -records (with J. Ahmadi), *Journal of Statistical Computation and Simulation*, **79**, 1219-1233.
- On families of beta- and generalized gamma-generated distributions and associated inference (with K. Zografos), *Statistical Methodology*, **6**, 344-362.
- Exact distribution of a linear combination of a variable and order statistics from the other two variables of a trivariate elliptical random vector as a mixture of skew-elliptical distributions (with A. Jamalizadeh and H. Mahmoodian), *Statistical Methodology*, **6**, 634-644.

## **2008**

- Mixture representations of residual lifetimes of used systems (with J. Navarro and F. Samaniego), *Journal of Applied Probability*, **45**, 1097-1112.
- Conditional ordering of  $k$ -out-of- $n$  systems with independent but non-identical components (with P. Zhao and X. Li), *Journal of Applied Probability*, **45**, 1113-1125.
- Progressive censoring from heterogeneous distributions with applications to robustness (with E. Cramer), *Annals of the Institute of Statistical Mathematics*, **60**, 151-171.



- Order restricted inference for sequential  $k$ -out-of- $n$  systems (with E. Beutner and U. Kamps), *Journal of Multivariate Analysis*, **99**, 1489-1502.
- Mixture representation for order statistics from INID progressive censoring and its applications (with T. Fischer and E. Cramer), *Journal of Multivariate Analysis*, **99**, 1999-2015.
- On the application and extension of system signatures in engineering reliability (with J. Navarro, F.J. Samaniego and D. Bhattacharya), *Naval Research Logistics*, **55**, 313-327.
- Progressively Type-II right censored order statistics from discrete distributions (with A. Dembinska), *Journal of Statistical Planning and Inference*, **138**, 845-856.
- Statistical evidence in contingency tables analysis (with M. Kateri), *Journal of Statistical Planning and Inference*, **138**, 873-887.
- Asymptotic properties of numbers of near minimum observations under progressive Type-II censoring (with A. Stepanov), *Journal of Statistical Planning and Inference*, **138**, 1010-1020.
- Connections of the Poisson weight function to overdispersion and underdispersion (with C. Kokonendji and D. Mizère), *Journal of Statistical Planning and Inference*, **138**, 1287-1296.
- On the joint distribution of placement statistics under progressive censoring and applications to precedence test (with R.C. Tripathi and N. Kannan), *Journal of Statistical Planning and Inference*, **138**, 1314-1324.
- Some simple nonparametric methods to test for perfect ranking in ranked set sampling (with T. Li), *Journal of Statistical Planning and Inference*, **138**, 1325-1338.
- Exponential progressive step-stress life-testing with link function based on Box-Cox transformation (with T-H. Fan and W-L. Wang), *Journal of Statistical Planning and Inference*, **138**, 2340-2354.
- The asymptotic distribution of numbers of observations near order statistics (with A. Dembinska), *Journal of Statistical Planning and Inference*, **138**, 2552-2562.
- Ordered ranked set samples and applications to inference (with T. Li), *Journal of Statistical Planning and Inference*, **138**, 3512-3524.
- Exact inference for a simple step-stress model with competing risks for failure from exponential distribution under Type-II censoring (with D. Han), *Journal of Statistical Planning and Inference*, **138**, 4172-4186.
- On order statistics from bivariate skew-normal and skew- $t_r$  distributions (with A. Jamalizadeh), *Journal of Statistical Planning and Inference*, **138**, 4187-4197.
- Inference for a simple step-stress model with Type-II censoring, and Weibull distributed lifetimes (with M. Kateri), *IEEE Transactions on Reliability*, **57**, 616-626.
- A new method for goodness-of-fit testing based on Type-II right censored samples (with C-T. Lin and Y-L. Huang), *IEEE Transactions on Reliability*, **57**, 633-642.
- Lifetime analysis based on the generalized Birnbaum-Saunders distribution (with V. Leiva, M. Riquelme and A. Sanhueza), *Computational Statistics & Data Analysis*, **52**, 2079-2097.

- On the hazard function of Birnbaum-Saunders distribution and associated inference (with D. Kundu and N. Kannan), *Computational Statistics & Data Analysis*, **52**, 2692-2702.
- Exact likelihood inference for two exponential populations under joint Type-II censoring (with A. Rasouli), *Computational Statistics & Data Analysis*, **52**, 2725-2738.
- Point and interval estimation for extreme-value regression model under Type-II censoring (with P.S. Chan, H.K.T. Ng and Q. Zhou), *Computational Statistics & Data Analysis*, **52**, 4040-4058.
- Fisher information based progressive censoring plans (with M. Burkschat, E. Cramer and G. Hofmann), *Computational Statistics & Data Analysis*, **53**, 366-380.
- A new class of inverse Gaussian type distributions (with A. Sanhueza and V. Leiva), *Metrika*, **68**, 31-49.
- Precedence-type tests based on record values (with A. Dembinska and A. Stepanov), *Metrika*, **68**, 233-255.
- Best linear equivariant estimation and prediction in location-scale families (with M. Burkschat and E. Cramer), *Sankhya, Series B*, **70**, 229-247.
- Exact likelihood inference based on an unified hybrid censored sample from the exponential distribution (with A. Rasouli and N. Sanjari-Farsipour), *Journal of Statistical Computation and Simulation*, **78**, 475-488.
- A Laguerre polynomial approximation for a goodness-of-fit test for exponential distribution based on progressively censored data (with D. Sanjel), *Journal of Statistical Computation and Simulation*, **78**, 503-513.
- Best linear unbiased estimators of parameters of a simple linear regression model based on ordered ranked set samples (with T. Li), *Journal of Statistical Computation and Simulation*, **78**, 1267-1278.
- Asymptotic properties of the ratio of order statistics (with A. Stepanov), *Statistics & Probability Letters*, **78**, 301-310.
- Revisiting Sen's inequalities on order statistics (with K. Balasubramanian), *Statistics & Probability Letters*, **78**, 616-621.
- Nonparametric confidence intervals for quantile intervals and quantile differences based on record statistics (with J. Ahmadi), *Statistics & Probability Letters*, **78**, 1236-1245.
- A two-parameter generalized skew-normal distribution (with A. Jamalizadeh and J. Behbood-ian), *Statistics & Probability Letters*, **78**, 1722-1726.
- Prediction intervals for future records (with M. Z. Raqab), *Statistics & Probability Letters*, **78**, 1955-1963.
- A class of weighted Poisson processes (with T. Kozubowski), *Statistics & Probability Letters*, **78**, 2346-2352.
- Fisher information in hybrid censored data (with S. Park and G. Zheng), *Statistics & Probability Letters*, **78**, 2781-2786.

On the maximum likelihood estimation of parameters of Weibull distribution based on complete and censored data (with M. Kateri), *Statistics & Probability Letters*, **78**, 2971-2975.

## **2007**

Point and interval estimation for a simple step-stress model with Type-II censoring (with D. Kundu, H.K.T. Ng and N. Kannan), *Journal of Quality Technology*, **39**, 35-47.

Homogeneity tests based on several progressively Type-II censored samples (with S. Alvarez-Andrade and L. Bordes), *Journal of Multivariate Analysis*, **98**, 1195-1213.

A new class of bivariate distributions and its mixture (with A. Sarhan), *Journal of Multivariate Analysis*, **98**, 1508-1527.

Testing exponentiality based on Kullback-Leibler information with progressively Type-II censored data (with A. Habibi Rad and N.R. Arghami), *IEEE Transactions on Reliability*, **56**, 301-307.

Exact inference for a simple step-stress model with Type-II hybrid censored data from the exponential distribution (with Q. Xie), *Journal of Statistical Planning and Inference*, **137**, 2543-2563.

Exact inference for a simple step-stress model with Type-I hybrid censored data from the exponential distribution (with Q. Xie), *Journal of Statistical Planning and Inference*, **137**, 3268-3290.

Optimal sample size allocation for tests with multiple levels of stress with extreme value regression (with H.K.T. Ng and P.S. Chan), *Naval Research Logistics*, **54**, 237-249.

Inference for the Type II generalized logistic distribution under progressive Type II censoring (with A. Hossain), *Journal of Statistical Computation and Simulation*, **77**, 1013-1031.

Selecting the best population using a test for equality based on minimal Wilcoxon rank-sum precedence statistic (with H.K.T. Ng and S. Panchapakesan), *Methodology and Computing in Applied Probability*, **9**, 263-305.

Extensions of functional LIL w.r.t.  $(r, p)$ -capacities on Wiener space (with X. Chen), *Statistics & Probability Letters*, **77**, 468-473.

## **2006**

Generalized gamma frailty models (with Y. Peng), *Statistics in Medicine*, **25**, 2797-2816.

Price limits and capital requirements of futures clearinghouses (with L. Shanker), *European Journal of Operations Research*, **168**, 281-290.

Confidence intervals for quantiles and tolerance intervals based on ordered ranked set samples (with T. Li), *Annals of the Institute of Statistical Mathematics*, **58**, 757-777.

Connections between the resolutions of general two-level factorial designs (with P. Yang), *Annals of the Institute of Statistical Mathematics*, **58**, 609-618.

Classification of three-word indicator functions of two-level factorial designs (with P. Yang), *Annals of the Institute of Statistical Mathematics*, **58**, 595-608.

Relations for order statistics from non-identical logistic random variables and assessment of the effect of multiple outliers on the bias of linear estimators (with A. Childs), *Journal of Statistical Planning and Inference*, **136**, 2227-2253.

A nonparametric procedure based on early failures for selecting the best population using a test for equality (with H.K.T. Ng and S. Panchapakesan), *Journal of Statistical Planning and Inference*, **136**, 2087-2111.

Moments and properties of multiplicatively constrained bivariate lognormal distribution with applications to futures hedging (with D. Lien), *Journal of Statistical Planning and Inference*, **136**, 1349-1359.

Corrections on “Optimal step-stress test under progressive Type-I censoring” (with D. Han, A. Sen and E. Gouno), *IEEE Transactions on Reliability*, **55**, 613-614.

Point and interval estimation for the two-parameter Birnbaum-Saunders distribution based on Type-II censored samples (with H.K.T. Ng and D. Kundu), *Computational Statistics & Data Analysis*, **50**, 3222-3242.

On some predictors of times to failure of censored items in progressively censored samples (with I. Basak and P. Basak), *Computational Statistics & Data Analysis*, **50**, 1313-1337.

A new class of skew-Cauchy distributions (with J. Behboodian and A. Jamalizadeh), *Statistics & Probability Letters*, **76**, 1488-1493.

On the Fisher information in record data (with A. Stepanov), *Statistics & Probability Letters*, **76**, 537-545.

Evaluating expectations of  $L$ -statistics by the Steffensen inequality (with T. Rychlik), *Metrika*, **63**, 371-384.

Unified scheme for testing for outliers in linear models (with A. Childs and M.R. Srinivasan), *Journal of Statistical Computation and Simulation*, **76**, 21-39.

Monte Carlo methods for Bayesian inference on the linear hazard rate distribution (with C.-T. Lin and S.J.S. Wu), *Communications in Statistics—Simulation and Computation*, **35**, 575-590.

A nonparametric test for trend based on initial ranks (with G. Hofmann), *Journal of Statistical Computation and Simulation*, **76**, 829-837.

## **2005**

On the number and sum of near-record observations (with A. Stepanov and A. Pakes), *Advances in Applied Probability*, **37**, 765-780.

Optimal clearing margin, capital and price limits for futures clearinghouses (with L. Sanker), *Journal of Banking & Finance*, **29**, 1611-1630.

Weighted precedence and maximal precedence tests and an extension to progressive censoring (with H.K.T. Ng), *Journal of Statistical Planning and Inference*, **135**, 197-221.

A note on the number of observations near an order statistic (with A. Stepanov), *Journal of Statistical Planning and Inference*, **134**, 1-14.

An asymptotic approach to progressive censoring (with G. Hofmann, E. Cramer and G. Kunert), *Journal of Statistical Planning and Inference*, **130**, 207-227.

Preservation of some reliability properties by certain record statistics (with J. Ahmadi), *Statistics*, **39**, 347-354.

Relation for joint densities of progressively censored order statistics (with E. Cramer and U. Kamps), *Statistics*, **39**, 529-536.

Distribution-free confidence intervals for quantile intervals based on current records (with J. Ahmadi), *Statistics & Probability Letters*, **75**, 190-202.

Characterization of hazard function factorization by Fisher information in minima and upper record values (with G. Hofmann and J. Ahmadi), *Statistics & Probability Letters*, **72**, 51-57.

Exact inference and prediction for  $K$ -sample exponential case under type-II censoring (with C.-T. Lin), *Journal of Statistical Computation and Simulation*, **75**, 315-331.

## **2004**

Optimal progressive censoring plans for the Weibull distribution (with H.K.T. Ng and P.S. Chan), *Technometrics*, **46**, 470-481.

Two-sample scale tests for comparison of metabolic rates for styrene in previously exposed and unexposed groups (with C.-C. Chen and K.-Y. Wu), *Statistics in Medicine*, **23**, 591-599.

Goodness-of-fit tests based on spacings for progressively Type-II censored data from a general location-scale distribution (with H.K.T. Ng and N. Kannan), *IEEE Transactions on Reliability*, **53**, 349-356.

Fisher information in  $k$ -records (with G. Hofmann), *Annals of the Institute of Statistical Mathematics*, **56**, 383-396.

A conversation with H.A. David (with H.N. Nagaraja), *Statistical Science*, **19**, 720-734.

Two characterizations based on order statistics and records (with A. Stepanov), *Journal of Statistical Planning and Inference*, **124**, 273-287.

A note on the paper of Khmaladze et al. (with A. Stepanov), *Statistics & Probability Letters*, **68**, 415-419.

Confidence intervals for quantiles in terms of record range (with J. Ahmadi), *Statistics & Probability Letters*, **68**, 395-405.

## **2003**

Exact likelihood inference based on Type-I and Type-II hybrid censored samples from the exponential distribution (with A. Childs, B. Chandrasekar and D. Kundu), *Annals of the Institute of Statistical Mathematics*, **55**, 319-330.

Bounds on expectation of order statistics from a finite population (with C. Charalambides and N. Papadatos), *Journal of Statistical Planning and Inference*, **113**, 569-588.

Some efficiency properties of best linear unbiased estimators (with C.R. Rao), *Journal of Statistical Planning and Inference*, **113**, 551-555.

Simple characterizations of Student's  $t_2$ -distribution (with V.B. Nevzorov and M. Ahsanullah), *Journal of the Royal Statistical Society, Series D*, **52**, 395-400.

Robust estimation under progressive censoring (with I. Basak), *Computational Statistics & Data Analysis*, **44**, 349-376.

Existence and uniqueness of the MLEs for normal distribution based on general progressively Type-II censored samples (with J. Mi), *Statistics & Probability Letters*, **64**, 407-414.

Exact distribution and Fisher information of weak record values (with A.V. Stepanov and G. Hofmann), *Statistics & Probability Letters*, **64**, 69-81.

A characterization by linearity of the regression function based on order statistics (with I.S. Akhundov), *Statistics & Probability Letters*, **63**, 435-440.

Conditional correlation analysis of order statistics from bivariate normal distribution with an application to evaluating inventory effects in futures market (with D. Lien), *Statistics & Probability Letters*, **63**, 249-257.

## **2002**

On a multiparameter version of Tukey's linear sensitivity measure and its properties (with B. Chandrasekar), *Annals of the Institute of Statistical Mathematics*, **54**, 796-805.

How are moments and moments of spacings related to distribution functions? (with M.C. Jones), *Journal of Statistical Planning and Inference*, **103**, 377-390.

Estimation of parameters from progressively censored data using EM algorithm (with H.K.T. Ng and P.S. Chan), *Computational Statistics & Data Analysis*, **39**, 371-386.

Series approximations for moments of order statistics using MAPLE (with A. Childs), *Computational Statistics & Data Analysis*, **38**, 331-347.

The use of spacings in the estimation of a scale parameter (with N. Papadatos), *Statistics & Probability Letters*, **57**, 193-204.

## **2001**

Order-preserving property of maximum likelihood estimator (with J. Mi), *Journal of Statistical Planning and Inference*, **98**, 89-99.

A note on the variance of a lightly trimmed mean when outliers are present (with H.A. David), *Statistics & Probability Letters*, **55**, 339-343.

Bounds for means and variances of progressive Type II censored order statistics (with E. Cramer and U. Kamps), *Statistics & Probability Letters*, **54**, 301-315.

## **2000**

Start-up demonstration tests with rejection of units upon observing  $d$  failures (with P.S. Chan), *Annals of the Institute of Statistical Mathematics*, **52**, 184-196.

Reliability sampling plans for lognormal distribution, based on progressively-censored samples (with U. Balasooriya), *IEEE Transactions on Reliability*, **49**, 199-203.

Simple efficient estimation for the three-parameter gamma distribution (with J. Wang), *Journal of Statistical Planning and Inference*, **85**, 115-126.

Empirical Bayes estimation for truncation parameters (with Y. Ma), *Journal of Statistical Planning and Inference*, **84**, 111-120.

Some approximations to the multivariate hypergeometric distribution with applications to hypothesis testing (with A. Childs), *Computational Statistics & Data Analysis*, **35**, 137-154.

Random combinations with bounded differences and cospan (with M.V. Koutras), *The Fibonacci Quarterly*, **38**, 145-156.

## **1999**

Convolution of geometrics and a reliability problem (with A. Sen), *Statistics & Probability Letters*, **43**, 421-426.

## **1998**

Some properties of progressive censored order statistics from arbitrary and uniform distributions with applications to inference and simulation (with R. Aggarwala), *Journal of Statistical Planning and Inference*, **70**, 35-49.

A note on relationships between moments, central moments and cumulants from multivariate distributions (with N.L. Johnson and S. Kotz), *Statistics & Probability Letters*, **39**, 49-54.

On the normal record values and associated inference (with P.S. Chan), *Statistics & Probability Letters*, **39**, 73-80.

## **1997**

A note on the best linear unbiased estimation based on order statistics (with C.R. Rao), *The American Statistician*, **51**, 181-185.

A useful property of best linear unbiased predictors with applications to life-testing (with N. Doganaksoy), *The American Statistician*, **51**, 22-28.

Joint distributions of numbers of success-runs and failures until the first consecutive  $k$  successes in a binary sequence, *Annals of the Institute of Statistical Mathematics*, **49**, 519-529.

Start-up demonstration tests under Markov dependence model with corrective actions (with S.G. Mohanty and S. Aki), *Annals of the Institute of Statistical Mathematics*, **49**, 155-169.

## **1996**

Sooner and later waiting time problems for success and failure runs in higher order Markov dependent trials (with S. Aki and S.G. Mohanty), *Annals of the Institute of Statistical Mathematics*, **48**, 773-787.

Recurrence relations for single and product moments of progressive Type-II right censored order statistics from exponential and truncated exponential distributions (with R. Aggarwala), *Annals of the Institute of Statistical Mathematics*, **48**, 757-771.

Relationships for moments of order statistics from the right-truncated generalized half logistic distribution (with R. Aggarwala), *Annals of the Institute of Statistical Mathematics*, **48**, 519-534.

Conditional inference procedures for the Laplace distribution based on Type-II right censored samples (with A. Childs), *Statistics & Probability Letters*, **31**, 31-39.

Product moments of order statistics and the variance of a lightly trimmed mean (with H.A. David), *Statistics & Probability Letters*, **29**, 85-87.

Empirical Bayes rules for selecting the most and least probable multivariate hypergeometric event (with Y. Ma), *Statistics & Probability Letters*, **27**, 181-188.

Best linear unbiased and maximum likelihood estimation for exponential distributions under general progressive Type-II censored samples (with R.A. Sandhu), *Sankhyā, Series B*, **58**, 1-9.

## 1995

Comment by Katz and Reply on "Binomial and Negative Binomial Analogues Under Correlated Bernoulli Trials" (with K. Balasubramanian and R. Viveros), *The American Statistician*, **49**, 325-326.

A simple simulational algorithm for generating progressive Type-II censored samples (with R.A. Sandhu), *The American Statistician*, **49**, 229-230.

A general purpose approximate goodness-of-fit test (with G. Chen), *Journal of Quality Technology*, **27**, 154-161.

Start-up demonstration tests under correlation and corrective action (with K. Balasubramanian and R. Viveros), *Naval Research Logistics* (1995) **42**, 1271-1276.

On a class of multivariate distributions closed under concomitance of order statistics (with K. Balasubramanian), *Statistics & Probability Letters*, **23**, 239-242.

## 1994

Interval estimation of parameters of life from progressively censored data (with R. Viveros), *Technometrics*, **36**, 84-91.

Binomial and negative binomial analogues under Markovian Bernoulli trials (with K. Balasubramanian and R. Viveros), *The American Statistician*, **48**, 243-247.

Equivalence of relations for order statistics for exchangeable and arbitrary cases (with K. Balasubramanian), *Statistics & Probability Letters*, **21**, 405-407.

Asymptotic best linear unbiased estimation for the log-gamma distribution (with P.S. Chan), *Sankhyā, Series B*, **56**, 314-322.

Identities for order statistics from non-independent non-identical variables (with K. Balasubramanian and H.J. Malik), *Sankhyā, Series B*, **56**, 67-75.

## 1993



Duality principle in order statistics (with K. Balasubramanian), *Journal of the Royal Statistical Society, Series B*, **55**, 687-691.

Relationships between moments of two related sets of order statistics and some extensions (with Z. Govindarajulu and K. Balasubramanian), *Annals of the Institute of Statistical Mathematics*, **45**, 243-247.

Statistical inference from start-up demonstration test data (with R. Viveros), *Journal of Quality Technology*, **25**, 119-130.

A simple application of binomial - negative binomial relationship in the derivation of sharp bounds for moments of order statistics based on greatest convex minorants, *Statistics & Probability Letters*, **18**, 301-305.

Sooner and later waiting time problems for Markovian Bernoulli trials (with K. Balasubramanian and R. Viveros), *Statistics & Probability Letters*, **18**, 153-161.

Multivariate normal distribution and multivariate order statistics induced by ordering linear combinations, *Statistics & Probability Letters*, **17**, 343-350.

A log-concavity property of probability of occurrence of exactly  $r$  arbitrary events (with K. Balasubramanian), *Statistics & Probability Letters*, **16**, 249-251.

Equivalence of Hartley-David-Gumbel and Papathanasiou bounds and some further remarks (with K. Balasubramanian), *Statistics & Probability Letters*, **16**, 39-41.

## 1992

A characterization of exponential distributions through conditional independence (with T.C. Liang), *Journal of the Royal Statistical Society, Series B*, **54**, 269-271.

General relations and identities for order statistics from non-independent non-identical variables (with S.M. Bendre and H.J. Malik), *Annals of the Institute of Statistical Mathematics*, **44**, 177-183.

A robust method of estimation based on the MML estimators for a simple linear regression model (with R.S. Ambagaspitiya), *Journal of Statistical Planning and Inference*, **30**, 267-279.

Estimation for the scaled half logistic distribution under Type II censoring (with P.S. Chan), *Computational Statistics & Data Analysis*, **13**, 123-141.

Relations for single and product moments of record values from Gumbel distribution (with M. Ahsanullah and P.S. Chan), *Statistics & Probability Letters*, **15**, 223-227.

Indicator method for a recurrence relation for order statistics (with K. Balasubramanian), *Statistics & Probability Letters*, **14**, 67-69.

## 1991

Approximate MLEs for the location and scale parameters of the extreme value distribution with censoring (with J. Varadan), *IEEE Transactions on Reliability*, **40**, 146-151.

Approximate MLEs for the location and scale parameters of the half-logistic distribution with Type-II right-censoring (with K.H.T. Wong), *IEEE Transactions on Reliability*, **40**, 140-145.

## 1990

Approximate maximum likelihood estimation for a generalized logistic distribution, *Journal of Statistical Planning and Inference*, **26**, 221-236.

Improving the Hartley-David-Gumbel bound for the mean of extreme order statistics, *Statistics & Probability Letters*, **9**, 291-294.

A comparative study of various tests for the equality of two population variances (with C.W. Ma), *Journal of Statistical Computation and Simulation*, **35**, 41-89.

## 1989

Recurrence relations among moments of order statistics from two related sets of independent and non-identically distributed random variables, *Annals of the Institute of Statistical Mathematics*, **41**, 323-329.

## 1988

Recurrence relations for order statistics from n independent and non-identically distributed random variables, *Annals of the Institute of Statistical Mathematics*, **40**, 273-277.

Robust classification procedures based on dichotomous and continuous variables (with M.L. Tiku), *Journal of Classification*, **5**, 53-80.

## 1987

Moments of order statistics from truncated log-logistic distribution (with H.J. Malik), *Journal of Statistical Planning and Inference*, **17**, 251-267.

## 1986

A note on moments of order statistics (with H.J. Malik), *The American Statistician*, **40**, 147-148.

On the errors of misclassification based on dichotomous and normal variables (with S. Kocherlakota and K. Kocherlakota), *Annals of the Institute of Statistical Mathematics*, **38**, 529-538.

On the moments of order statistics from the doubly truncated logistic distribution (with S. Kocherlakota), *Journal of Statistical Planning and Inference*, **13**, 117-129.

One- and two-sided sampling plans based on the exponential distribution (with S. Kocherlakota), *Naval Research Logistics Quarterly*, **33**, 513-522.

Effects of nonnormality on  $\bar{X}$  charts: Single assignable cause model (with S. Kocherlakota), *Sankhyā, Series B*, **48**, 439-444.

## 1985

Order statistics from the half logistic distribution, *Journal of Statistical Computation and Simulation*, **20**, 287-309.

On the double Weibull distribution: Order statistics and estimation (with S. Kocherlakota), *Sankhyā, Series B*, **47**, 161-178.

## 1984

Approximating the sum of squares of normal scores, Algorithm AS 200, *Journal of the Royal Statistical Society, Series C*, **33**, 242-245.

Product moments of order statistics from the doubly truncated exponential distribution (with P.C. Joshi), *Naval Research Logistics Quarterly*, **31**, 27-31.

## 1983

Bounds for the moments of extreme order statistics for large samples (with P.C. Joshi), *Mathematische Operationsforschung und Statistik, Series Statistics*, **14**, 387-396.

## 1982

Recurrence relations and identities for the product moments of order statistics (with P.C. Joshi), *Sankhyā, Series B*, **44**, 39-49.

## 1981

An identity for the moments of normal order statistics with applications (with P.C. Joshi), *Scandinavian Actuarial Journal*, 203-213.

A note on order statistics from Weibull distribution (with P.C. Joshi), *Scandinavian Actuarial Journal*, 121-122.

# International Conferences Organized

*International Workshop on Statistical Methods and Applications* at University of Mugla, Mugla, Turkey – August 31-September 2, 2015

*International Conference on Mathematical Methods in Reliability* at University of Tsukuba, Tokyo, Japan — June 1-4, 2015

*International Conference on Multivariate Distributions and Random Matrices* at CIMAT, Guanajuato, Mexico — September 19-22, 2013

*International Conference on Mathematical Methods in Reliability* at University of Stellenbosch, Stellenbosch, South Africa — July 1-4, 2013

*PIMS Workshop on Skewed Models, Copulas and Applications*, Banff, Alberta, Canada – May 20, 24, 2013

*McMaster Workshop on Skewed Models and Applications*, McMaster University, Hamilton, Ontario, Canada – May 16-17, 2013

*International Conference on Mathematical Methods in Reliability* at the Beijing Institute of Technology, Beijing, China — June 20-24, 2011

*Conference on Ordered Statistical Data and Related Topics* at the Ferdowsi University of Mashhad, Mashhad, Iran — June 15-17, 2006

*International Conference on the Future of Statistical Theory, Practice and Education* at Indian School of Business, Hyderabad, India — December 29, 2004 - January 1, 2005.

*International Conference on Statistical Methods in Health Sciences* at University of Nantes, Nantes, France – June 23-25, 2004

*International Conference on Distribution Theory, Order Statistics and Inference* at University of Cantabria, Santander, Spain — June 16-18, 2004

*International Conference on Statistical Inference and Applications* at KIMEPS, Almaty, Kazakhstan — June 9-12, 2003

*International Workshop on Statistical Inference for Semi-parametric Models* at Mount St. Michel, France — May 15-17, 2003

*International Conference on Ranking and Selection, Multiple Comparisons and Reliability with Applications* at Chennai, India — December 28-30, 2002

*International Conference on Characterizations, Models and Applications* at Antalya, Turkey — December 7-9, 2001

*International Symposium on Statistical Methods for the Analysis of Olympic Record Data* at Universite de Bordeaux-2 , Bordeaux, France — September 4-6, 2001

*International Conference on Recent Developments in Probability and Statistics* at University of Madras, Chennai, India — December 21-22, 2000

*International Conference on Goodness-of-fit Tests and Model Validity* at Université de Paris-6, France — May 29-31, 2000

*Statistics: Reflections on the Past and Visions for the Future* at the University of Texas at San Antonio, USA – March 16-19, 2000

*International Conference on Recent Advances in Probability and Statistics in Honor of Theophilos Cacoullos* at University of Athens, Greece — June 3-5, 1999

*IISA 1998 International Conference* at McMaster University, Canada — October 10-11, 1998

*International Conference on Combinatorial Methods and Applications to Probability and Statistics* at McMaster University, Canada — June 25-28, 1997