

TARUNA KUMARI

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EDUCATION QUALIFICATION

➤ **DOCTOR OF PHILOSOPHY**

2014 - till date | Department of Statistics, University of Delhi, Delhi, India.

Topic: Reliability and Life Testing.

Supervisor: Prof. Ajit Chaturvedi

➤ **MASTER OF PHILOSOPHY**

2009 - 2012 | Department of Statistics, University of Delhi, Delhi, India.

Topic: Order Statistics.

Supervisor: Prof. Jagdish Saran.

Division - I.

➤ **MASTER OF ARTS**

2007 - 2009 | Hindu College, University of Delhi, Delhi, India.

Subject: Statistics.

Division - I.

➤ **BACHELOR OF ARTS**

2004 - 2007 | Miranda House, University of Delhi, Delhi, India.

Subject: Mathematics.

Division - I.

TEACHING EXPERIENCE

➤ Working as Assistant Professor (Ad-hoc) in the Department of Statistics of University of Delhi, India from 19 August 2015 to till date.

➤ Worked as Assistant Professor (Ad-hoc) in the Department of Statistics of Sri Ventakeswara College, University of Delhi, India from 21 July 2010 to 18 August 2015.

➤ Worked as Guest Lecturer in the Department of Statistics of University of Delhi, India from 12 January 2011 to 11 April 2011.

➤ Worked as Guest Lecturer in the Department of Statistics of Ram Lal Anand College, University of Delhi, India from 19 January 2015 to 24 April 2015.

ADDITIONAL QUALIFICATION

- Qualified Joint CSIR-UGC Test for NET and JRF in the subject MATHEMATICAL SCIENCES held on 21 June 2009.
- Certificate from 'Centre for Information Technology' in Office Automation with M.S.Office 2000.
- Language: C.
- Software: R, SPSS, Matlab.

RESEARCH WORK

- [1] Taruna Kumari, Ajit Chaturvedi and Anupam Pathak (2018): Estimation and Testing Procedures for the Reliability Functions of Kumaraswamy-G Distributions and a Characterization based on Records. *Journal of Statistical Theory and Practice*.
ISSN: 1559-8608 (Print 1559-8616 (Online)).
Taylor & Francis
- [2] Taruna Kumari and Bhupender kumar (2018). High-mobility group box 1 protein (HMGB1) gene polymorphisms and cancer susceptibility: A comprehensive meta-analysis. *Clinica Chimica Acta*, Vol. 483, 170-182.
<https://doi.org/10.1016/j.cca.2018.04.042>
ISSN: 0009-8981
ELSEVIER; IF-2.873
- [3] Taruna Kumari, Meenakshi Vachher, Savita Bansal, Rameshwar N.K. Bamezai and Bhupender Kumar (2018). Meta-analysis of mitochondrial T16189C polymorphism for cancer and Type 2 diabetes risk. *Clinica Chimica Acta*, Vol. 482, 136-143.
<https://doi.org/10.1016/j.cca.2018.03.041>
ISSN: 0009-8981
ELSEVIER; IF-2.873

- [4] Ajit Chaturvedi and Taruna Kumari (2018): Robust Bayesian analysis of generalized inverted family of distributions. *Communications in Statistics-Simulation and Computation*.
<https://doi.org/10.1080/03610918.2018.1438619>
ISSN: 0361-0918 (Print) 1532-4141 (Online).
Taylor & Francis; IF-0.457
- [5] Ajit Chaturvedi and Taruna Kumari (2017): Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme. *Communications in Statistics - Theory and Methods*,
<https://doi.org/10.1080/03610926.2017.1414264>.
ISSN: 0361-926 (Print) 1532-415X (Online)
Taylor & Francis; IF- 0.311
- [6] Ajit Chaturvedi and Taruna Kumari (2017): Robust Bayesian Analysis of Generalized Half Logistic Distribution. *Statistics, Optimization & Information Computing*, Vol. 5, 158–178.
ISSN 2310-5070
- [7] Ajit Chaturvedi and Taruna Kumari (2017): Estimation and Testing Procedures for the Reliability Functions of a General Class of Distributions. *Communications in Statistics - Theory and Methods*, Vol. 46, No. 22, 11370-11382.
ISSN: 0361-926 (Print) 1532-415X (Online)
Taylor & Francis; IF- 0.311
- [8] Ajit Chaturvedi and Taruna Kumari (2015): Estimation and testing procedures for the reliability functions of a family of lifetime distributions. *InterStat*.
[YEAR/2015/abstracts/1504001.php](http://interstat.statjournals.net/INDEX/Apr15.html).
Available at <http://interstat.statjournals.net/INDEX/Apr15.html>
ISSN 1941-689X.
- [9] Taruna Kumari and Anupam Pathak (2014): Relations for moments of generalized order statistics from Chen distribution and its characterization. *Journal of Combinatorics Information and System Sciences*, Vol. 39, No. 1-4, pages 49-56.
ISSN: 0250-9628.

- [10] Taruna Kumari and Anupam Pathak (2014): Conditional expectation of certain distributions of dual generalized order statistics. *International Journal of Mathematical Analysis*, Vol. 08, no. 3, 141-148.
ISSN 1312-8876.
- [11] Jagdish Saran and Taruna Kumari (2013): Recurrence relations for marginal and joint moment generating functions of upper k-record values from Gompertz distribution. *ProbStat Forum*, Vol. 06, 96-106.
ISSN 0974-3235.
- [12] Taruna Kumari and Anupam Pathak (2013): Recurrence relations for single and product moments of record values from Chen distribution and a characterization. *World Applied Sciences Journal*, 27(12), 1812-1815.
ISSN 1818-4952.

WORKSHOP AND CONFERENCE ATTENDED

- 6-9 August 2018: Presented the paper entitle “Robust Bayesian analysis of generalized inverted family of distributions” in “**11th Triennial Conference of Association of Asia Pacific Operational Research Societies (APORS) in Kathmandu 2018**”. NEPAL.
- 1-3 June 2018: Presented the paper entitle “Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme” in “**The 33rd Annual Conference of The Ramanujan Mathematical Society (ACRMS-2018)**” held at Department of Mathematics, University of Delhi, Delhi, INDIA.
- 14-15 Sep 2013: Attended “**Workshop on Statistical Computing using R**”, organized by Department of Statistics, University of Delhi, Delhi, INDIA.
- 19-20 Nov 2012: Attended Participated in “**International Seminar on History of Mathematics**” held at Ramjas College, University of Delhi, Delhi, INDIA.

ADDITIONAL ACTIVITIES AND EXPERIENCES

- Prepared “presentation for the NAAC visit” during the academic year 2017-2018.
- Coordinator of the “Heritage Club” of the Department of Statistics for the academic year 2016-2017, 2017-2018.

- Coordinated and contributed, in the preparation of “Extended Profile for Department of Statistics”, for the NAAC visit during the academic year 2017-2018.
- Prepared the “Quantitative Metrics for Department of Statistics-SSR”, for the NAAC visit during the academic year 2017-2018.
- Actively participated as a Reception committee member in the 94th ANNUAL CONVOCATION, University of Delhi held on 18th November 2017.
- Actively participated as a Reception committee member in the 93rd ANNUAL CONVOCATION, University of Delhi held on 19th November 2016.
- Organized a Heritage Walk for the Teaching/Non-Teaching and students (M.A./M.Sc./M.Phil./Ph.D.) to Mehrauli Archaeological Park on 11 February 2017.
- Organized a Rangoli competition and sweet distribution for the students on the occasion of Holi, 27 February 2018.
- Organized a Lohri celebration for the Teaching/Non-Teaching and Students on 12 January 2018.
- Actively participated in 'Antardhvani' the annual cultural festival of the University of Delhi held between 14 and 16 Feb 2014.
- Organized invited talks on “Role of Statistics in IT Sector” and “Statistics and Analytics”, during the academic year 2016-2017.
- Worked as the member of the internal assessment committee for the academic year 2016-2017 in Department of Statistics, University of Delhi
- Worked as the member of the committee for conduct of M.A./M.Sc. Examination, 2017 in Department of Statistics, University of Delhi
- Member of the Anti-Eve Teasing Committee for the academic year 2016-2017 in Department of Statistics, University of Delhi.
- Coordinator in uploading the list of journals on UGC website, during the academic year 2016-2017.
- Prepared the “list of books”, with Dr. Garima Priyadarshini, of 800 books (approx.),