

# 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) Ajit Chaturvedi and Taruna Kumari (2018): Robust Bayesian analysis of generalized inverted family of distributions. *Communications in Statistics-Simulation and Computation* (Taylor & Francis).  
<https://doi.org/10.1080/03610918.2018.1438619>  
ISSN: 0361-0918 (Print) 1532-4141 (Online).
- 2) 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* (Taylor & Francis).  
<https://doi.org/10.1080/03610926.2017.1414264>  
ISSN: 0361-926 (Print) 1532-415X (Online).
- 3) 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

- 4) 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 (Taylor & Francis)*., Vol. 46, No. 22, 11370-11382.  
ISSN: 0361-926 (Print) 1532-415X (Online)
- 5) Ajit Chaturvedi and Taruna Kumari (2015): Estimation and Testing Procedures for the Reliability Functions of a Family of Lifetime Distributions. *InterStat*.  
<http://interstat.statjournals.net/YEAR/2015/abstracts/1504001.php>  
ISSN 1941-689X.
- 6) 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.
- 7) Taruna Kumari and Anupam Pathak (2014): Relations for moments of generalized order statistics from Chen distribution and its characterization. *Journal of Combinatorics and Information System Sciences*, Vol. 39, No. 1-4, pages 49-56.  
ISSN: 0250-9628.
- 8) 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.

- 9) Taruna Kumari and Anupam Pathak (2014): Recurrence relations for single and product moments of generalized order statistics from generalized power Weibull distribution and its characterization. *International Journal of Scientific & Engineering Research*, Vol. 5, Issue 1.  
ISSN 2229-5518.
- 10) Jagdish Saran and Taruna Kumari (2013): Recurrence relations for marginal and joint moment generating functions of upper k-record values from Gompertz distribution. *Probst Forum*, Vol. 06, 96-106.  
ISSN 0974-3235.

#### **WORKSHOP AND CONFERENCE ATTENDED**

- 14-15 Sep 2013: Workshop on “Statistical Computing using R” at Department of Statistics, University of Delhi, Delhi, India.
- 19-20 Nov 2012: Attended International Seminar on History of Mathematics held at Ramjas College, University of Delhi, Delhi, India.