

CONTACT INFORMATION	<p>Assistant Professor Department of Applied Sciences UIET, M. D. University, Rohtak Rohtak-124001 Haryana, India.</p>	<p><i>Mobile:</i> +91-9728964596 <i>E-mail:</i> vikas_iitr82@yahoo.co.in</p>
CITIZENSHIP	Indian	
DATE OF BIRTH	02-05-1982	
RESEARCH INTERESTS	Information Theory and Its Applications	
EDUCATION	<p>Ph.D., Department of Applied Sciences and Humanities, Oct 2013, Faculty of Technology, University of Delhi, Delhi, India.</p> <ul style="list-style-type: none"> • Thesis Title: Information-Theoretic Measures Based Residual Lifetime Distribution Functions • Advisor: Prof. (Dr.) H. C. Taneja and Dr. R. Srivastava • Area of Study: Information Theory and Statistics <p>M.Phil. (Gold Medalist), Department of Mathematics, June 2007 Indian School of Mines University, Dhanbad, India</p> <ul style="list-style-type: none"> • OGPA: 9.14 out of 10. • Dissertation Title: A Study of Three Species Model Food Chains with Predator-Interference • Advisor: Dr. R. K. Upadhyay • Area of Study: Mathematical Ecology <p>Indian Institute of Technology (IIT) Roorkee, India M.Sc. (Applied Mathematics), Department of Mathematics, June 2005 CGPA: 6.37 out of 10.</p> <p>Ch. Charan Singh Univeristy, Meerut, India B. Sc. (Mathematics, Physics, Chemistry), June 2003 Percentage: 64.5</p>	
REFEREED JOURNAL PUBLICATIONS	<ul style="list-style-type: none"> • Vikas Kumar, HC Taneja and R.Srivastava "A Dynamic Measure of Inaccuracy Between Two Past Lifetime Distribution in Metrika, Springer-Verlag-2010 Vol 74 (1), 1-10, Impact Factor 0.674. • Vikas Kumar and HC Taneja "On Length Biased Dynamic Measure of Past Inaccuracy" in Metrika Springer-Verlag-2011 Vol 75 (1), Impact Factor 0.674. 	

- Vikas Kumar and HC Taneja "Some Characterization Results on Generalized Cumulative Residual Entropy Measure", **Statistics Probability Letters, Elsevier**, 2011, 81 (8), 72-77, **Impact Factor 0.524**.
- HC Taneja, Vikas Kumar and R.Srivastava "A Dynamic Measure of Inaccuracy Between Two Residual Lifetime Distribution" in **International Mathematical Forum**, 2009, 4(25) 1213-1220.
- Vikas Kumar, HC Taneja and R.Srivastava "Length Biased Weighted Residual Inaccuracy Measure" **Metron- A International Journal of Statistics**, LXIII (2) 2010, 153-160, **Impact Factor 0.31**.
- Vikas Kumar and HC Taneja "A Generalized Entropy Based Residual Lifetime Distributions", **International Journal of Biomathematics**- 4 (2) 2011, 1-14, **Impact Factor 0.633**.
- Vikas Kumar HC Taneja and R.Srivastava "On Dynamic Renyi Cumulative Residual Entropy Measure", **Journal of Statistical Theory and Applications**-2011, 10(3), 491-500.
- Vikas Kumar HC Taneja and R.Srivastava "Non-additive Entropy Measure Based Residual Lifetime Distributions" **JMI International Journal of Mathematical Sciences** -2010, 1(2), 1 - 9.
- HC Taneja, Vikas Kumar "On Dynamic cumulative residual inaccuracy measures". Proceedings of the World Congress on Engineering, Vol I, WCE 2012, July 4 - 6, London, U.K.
- A. Kumar, HC Taneja, A. K. Chitkara and Vikas Kumar "Classification of Census Using Information Theoretic Measure Based ID3 Algorithm" **International Journal of Mathematical Analysis** (2012), 6 (51), 2511- 2518.
- Richa Thapliyal, Vikas Kumar and HC Taneja "On Dynamic Cumulative Entropy of Order Statistics" **Journal of Statistics Applications and Probability**- (2013), 2 (1) 41-46.
- Vikas Kumar, Richa Thapliyal and HC Taneja "On Discrete Residual and Past Measure of Inaccuracy" **Journal of Statistical Theory and Applications** (2013) Vol. 12(1) 120-128.
- Vikas Kumar and HC Taneja, "*Non-additive Entropy Measure and Record Values*", **Applied Mathematics and Information Sciences** 2014, Accepted.
- Richa Thapliyal, HC Taneja and Vikas Kumar "Characterization results based on non-additive entropy of order statistics" **Physica -A Statistical Mechanics and its Applications** (2015) 297-303, **Impact Factor 1.722**.

CONFERENCE
PRESENTATIONS

- A Dynamic Measure of Inaccuracy Between Two Residual Lifetime Distributions presented in VI International Symposium on Optimization and Statistics (ISOS-08) at 29-31 Dec. 2008 at Aligarh Muslim University, Aligarh.
- On Weighted Past Inaccuracy Measure presented in international conference in mathematics and applications **ICMA-09**, at 19-21 Dec. 2009 in **Bangkok, Thailand**.
- On Dynamic Cumulative Residual Inaccuracy Measure presented in **World Congress on Engineering**, at 3-5 July 2011 in **London** (U.K.)
- Generalized dynamic cumulative residual entropy presented in XXXI Annual Convention of Indian Society for Probability and Statistics(**ISPS**) and International Conference on Statistics, Probability and Related Areas, at 19-22 Dec. 2011 in **Cochin University of Science and Technology**(CUSAT), Kerla.
- On Discrete Residual and Past Measure of Inaccuracy presented in **8th World Congress in Probability and Statistics** at 09-14 July 2012 held at **Istanbul, Turkey**.
- A Study of Generalized Dynamic Cumulative Residual Entropy Measure presented in National Conference on Advance Mathematics and its Applications, at 25-26 Feb 2011 in D.A.V. College Bathinda Punjab.
- Characterization Results Based on Non-additive Cumulative Residual Entropy Measure presented in **International Conference On History and Development of Mathematical Sciences and Symposium on Non-linear Analysis (ICHDMS)** at November 21-24, 2012 held at **M. D. University, Rohtak**.
- Non-additive Entropy Measure and Record Values presented in the International conference on **Recent Advances in Statistics and Their Applications** to be held during Dec. 26-28, 2013 at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

SUBMITTED
JOURNAL
PUBLICATIONS

- Vikas Kumar, "*Generalized Entropy Measure in Record Value and Its Applications*" 2014.
- Vikas Kumar and HC aneja, "*Dynamic cumulative residual and past inaccuracy measures*", 2014.

TEACHING
EXPERIENCE

UIET, M. D. University, Rohtak, India

Assistant Professor

August 2011 to till date

- Taught course on: Mathematics-I, Mathematics-II, Mathematics-III
Applied Numerical Technique & Computing, and Operation Research
Thapar University, Patiala, India

Lecturer

July 2010 to July 2011

- Taught course on: Numerical Analysis and, Statistical Methods and Algorithms

ACHIEVEMENTS/
AWARDS

- Selected as Assistant Professor in **Delhi Technological University, Delhi (DTU-DCE)** on Contractual basis 2011.
- M.Phil **Gold Medalist** in ISM University, Dhanbad.
- Qualified Graduate Aptitude Test in Engineering (GATE) in 2005 and 2007. **All India Rank-139 and 328** respectively, Organized by the Ministry of Human Resources and Development (MHRD), Government of India, INDIA.
- Qualified CSIR-NET Lectureship examination in 2005 and 2006, organized by the Council of Scientific and Industrial Research (CSIR), New Delhi, India
- Received DCE, University of Delhi Research Fellowship, Dec. 2007 – July 2010
- Travel Grant to attend the *International Conference in Mathematics and Applications*, **Bangkok, Thailand**, Dec. 19 - Dec. 21, 2009.
 - Council of Scientific and Industrial Research (CSIR), India
 - Delhi College of Engineering (DCE), University of Delhi, India
- Travel Grant to attend the *8th World Congress in Probability and Statistics*, **Istanbul, Turkey**, July. 09 - 14, 2012.
 - SERB, Department of Science and Technology (DST), New Delhi, India

WORKSHOPS /
CONFERENCES
ATTENDED

- *International Conference on Mathematical Modeling and Computer Simulation*, Dec. 12-15, 2006, LNM Institute of Information Technology, Jaipur, India
- *International Conference in Mathematics and Applications*, Dec. 17 –Dec. 21, 2009, Bangkok, Thailand
- *International Congress of Mathematicians*, August 19 – August 27, 2010, Hyderabad, India
- *Seminar-Cum-Workshop on Mathematics and Computing*, March 22, 2012, Delhi Technological University, Delhi, India
- *8th World Congress in Probability and Statistics*, July 09-14, 2012, Istanbul, Turkey

REVIEWER OF
REPUTED
JOURNAL

- Statistics & Probability Letters, Metrika
- Statistical Paper, Statistical Methodology.

COMPUTING
SKILLS

Computer Programming

- C/C++, Matlab.

Typesetting

- L^AT_EX