Dr. Dilip Kumar Sharma

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Areas of Interest: Information Theory and its Applications, Mathematical Modeling, Time series analysis and forecasting.

Brief Profile:

Dr. Dilip Kumar Sharma did his M.Sc.(Mathematics) from Government PG College Guna (M.P.) in the year 1998 and M.Tech. (Future studies and planning) from School of Future studies and planning, Devi Ahilya University Indore (M.P.) in the year 2002. He did his Ph.D. from JUIT Wakanaghat, Solan (H.P.) in the year 2009. The title of the Thesis was "A Study of Generalized Information Measures and Their Applications". He has about thirteen years teaching experience. He is life member of Forum for Interdisciplinary Mathematics (FIM) and Indian Science Congress. He has published many research papers in reputed international journals and presented research papers in Conferences. He has visited NUS Singapore and Concordia University, Montreal, Canada. He is also a member of editorial board of the JUET Research Journal of Science and Technology. He has supervised one Ph.D. scholar and one Post-Doctoral fellow sponsored by NBHM, DAE, Mumbai and he is currently supervising one Ph.D. scholar.

Publication@JUET

[Publication details google profile link](#)

(1) "Generalized R-Norm information measures" Journal of Appl. Math, Statistics & informatics (JAMSI), Vol. 4, No.2 , 153-168, 2008. (Co-author D.S. Hooda)

(2) "Non-additive Generalized Measures of 'Useful' Inaccuracy" Journal of Rajasthan Academy of Physical Sciences, Vol. 7, No. 3, 359-368, 2008. (Co-author D.S. Hooda)

(3) "Generalized 'Useful' Information Generating Functions" Journal of Appl. Math. and Informatics. Vol. 27, No. 3-4, 591-601, 2009. (Co-author D.S. Hooda)

(4) "Exponential Survival Entropies and Their Properties" Advances in Mathematical Sciences and Applications. Vol. 20, 265-279, 2010. (Co-author D.S. Hooda)

(5) "Generalized Measures of 'Useful' Relative Information and Inequalities" Journal of Engineering, Management & Pharmaceutical Sciences. Vol. 1, No. 1, 15-21, (2010). (Co-author D.S. Hooda)

(6) "Bounds on Two Generalized Cost Measures" Journal of Combinatorics, Information & System Sciences. Vol. 35, No. 3-4, 2010. (Co-author D.S. Hooda)

(7) "A Generalized R-Norm Entropy and Coding Theorem" International Journal of Mathematical Sciences and Engineering Applications Vol.5, No.II, 385-393, 2011. (Co-author D.S. Hooda, Sonali Saxena)

(8) "Useful' R-Norm Information Measure and its Properties" IOSR Journal of Electronics and Communication Engineering. Vol. 8, 52-57, 2013. (Co-author D.S. Hooda, Keerti Upadhyay)

(9) "Lower and Upper Bounds Inequality of a Generalized 'Useful' Mean Code Length" GAMS Journal of Mathematics and Mathematical Biosciences. Vol. 4, No. 1, 62-69, 2013. (Co-author D.S. Hooda)

(10) "Bounds on Cost Measures in terms of 'Useful' R-norm Information Measures" Direct Research Journal of Engineering and Information Technology (DRJEIT) Vol.2 (2), 11-17, 2014. (Co-author D.S. Hooda, Keerti Upadhyay)

(11) "A Generalized Measure of 'Useful R-norm Information'", International Journal of Engineering Mathematics and Computer Sciences Vol 3(5), 1-11, 2014. (Co-author D.S. Hooda, Keerti Upadhyay)

(12) "On Parametric Generalization of 'Useful' R-norm Information Measure" British Journal of Mathematics & Computer Science, Vol. 8(1), 1-15, 2015. (Co-author D.S. Hooda, Keerti Upadhyay)

(13) "Generalized Coding Theorem with Different Source Coding Schemes", International Journal on Recent and Innovation Trends in Computing and Communication, 5(6), 253 - 257, 2017. (Co-author Sonali Saxena)

Books/Monograms Published

"Some Generalized Information Measures: Their characterization and Applications", Lambert Academic Publishing, Germany, 2010. (Co-author D.S. Hooda) ISBN: 978-3838386041