SHRI MATA VAISHNO DEVI UNIVERSITY

FACULTY OF SCIENCES

SCHOOL OF MATHEMATICS

Recent publications by faculty:

V. K. Bhat

1. V. K. Bhat, Completely Prime ideals of Skew-Laurent ring, Lobachevskii J. Math., Vol. 34(1) (2013), 99–105.
2. V. K. Bhat, Completely pseudo valuation rings over σ(*)-rings, Int. J. Math. Game Theory Algebra, Vol. 20(4) (2013), 13-24.
3. Neetu Kumari, Smarti Gosani and V. K. Bhat, Skew polynomial rings over weak σ-rigid rings and σ(*)-rings, Eur. J. Pure Appl. Math, Vol. 6(1) (2013), 59-65.
4. V. K. Bhat, Minimal prime ideals of skew polynomial rings and pseudo valuation rings, Czechoslovak Math. J., Vol. 63 (138) (2013), 1049–1056.
5. V. K. Bhat, Minimal prime ideals of σ(*)-rings and their extensions, Arm. J. Math., Vol. 5 (2) (2013), 98–104.
6. V. K. Bhat, Ore extensions over near pseudo valuation rings and Noetherian rings, Acta Math. Acad. Paedagog. Nyházi. (N.S.), (2014).

A. K. Das

1. A. K. Das, On some Simultaneous generalizations of normality and regularity, Rev. Bull. Cal. Math. Soc., 21 (1)(2013), 103-108.
2. A. K. Das, A note on spaces between normal and κ-normal spaces, Filomat 27:1 (2013), 8588.
3. A. K. Das, Simultaneous generalizations of regularity and normality, European J. Pure Appl Math, 4(1)(2011), 34-41.
4. A. K. Das, Δ-normal spaces and decompositions of normality, Applied General Topology, Vol 10, no. 2 (2009), 197-206.

5. J. K. Kohli and A. K. Das, Characterizations of certain sub(super)-classes of Hausdorff spaces and a factorization of regularity, Indian Journal of Pure and Applied Mathematics, 35(4) (2004), 463-470.
6. J. K. Kohli and A. K. Das, New normality axioms and decompositions of normality, Glasnik Matematicki, 37(57) (2002), 163-173.

Kuldip Raj

1. ***Raj, Kuldip****, Suruchi, Pandoh and Jamwal, Seema , Composition operators on Cesaro Function Spaces****, J. Funct. Spaces Appl.****,* Volume 2014, Article ID 501057, 6 pages.

2. *Mohiuddine, S.A.* ***Raj, Kuldip*** *and Alotaib, A, Some paranormed double difference sequence spaces for Orlicz functions and bounded-regular matrices,* ***Abstract and Applied Analysis,*** Volume 2014, Article ID 419064, 10 pages.

3. ***Raj, Kuldip*** *and Sharma, Sunil K., Some spaces of double difference sequences of fuzzy numbers****, Mathematicki Vesnik****, 66 (2014), 91-100.*

4. ***Raj, Kuldip****, Pandoh, Suruchi and Jamwal, Seema, Difference Sequence spaces of fuzzy real numbers,* ***J. Concrete and Applicable Mathematics****, 12 (2014),146-159.*

5. ***Raj, Kuldip*** *and Sharma, Sunil K., Some new sequence spaces,* ***Appl. Appl. Math****. 8(2013), 596-613 .*

6. ***Raj, Kuldip*** *and Sharma, Sunil K., Some difference sequence spaces defined by Musielak-Orlicz functions,* ***Math. Pannon****., 24 (2013), 33-43.*

Ajay Kumar Sharma

1. Ajay K. Sharma, Weighted composition operators from Cauchy integral transforms to logarithmic weighted-type spaces, *Ann. Funct. Anal.* 4 no. 1, (2013), 163-174

2. Ajay K. Sharma, *Generalized composition operators between weighted Bergman spaces,* Acta Sci. Math.,78(2012) 187-211.

3. Ajay K. Sharma and Sei-Ichiro Ueki, Composition operators from Nevanlinna type spaces to Bloch type spaces. *Banach J. Math. Anal.* 6 (2012), no. 1, 112–123.

4. Stevo Stevic, Ajay K. Sharma, Composition operators from Bergman Privalov spaces to Zygmund spaces, *Ann. Polon. Math.* 105 (2012), no. 1, 77–86.

5. Stevo Stevic, Ajay K. Sharma, Generalized composition operators on weighted Hardy spaces,, Appl. Math. Comput., 218 (2012), no. 17, 8347–8352.

Sandeep Bhougal

1. Singh, H. P., Kumar, Sunil and **Bhougal, S**. (2011). Multivariate ratio estimation in presence of non-response in successive sampling. Journal of Statistical Theory and Practice, Vol. 5, No. 4.

2. Kumar, Sunil and **Sandeep Bhougal** (2011). Estimation of the population mean in presence of non response. Communications of the Korean Statistical Society, Vol. 18, No.4, 537-548.

3. Kumar, Sunil, Singh, H. P., **Bhougal, S**. and Gupta, R. (2011). A class of Ratio-cum-product type estimators under double sampling plan in presence of non-response. Hacetteppe Journal of Mathematics and Statistics, 40(4), 589-599.

4. Kumar, Sunil, Bhougal, Sandeep, Sharma, Rahul Kumar, and Raj, Kuldip.(2012): Estimation of Population Mean using ranked set sampling. International Journal of Research in commerce, IT and Management, Vol. No. 2(2012), No. 9, 139-141.

5. Kumar, Sunil., Bhougal, sandeep., and Gupta, Rahul,. (2012): Generalised estimators for estimating Population Mean in the presence of Non-response. International Journal of Computing. Vol. 2, Issue 3, july 2012, 672-686.

6. Sunil Kumar, Sandeep Bhougal, Rahul Kumar Sharma, and K. Raj. (2012): Estimation of the Population Mean using Ranked Set Sampling. International Journal of Research in Commerce, IT and Management. Vol. 2 (2012), Issue. 9.

Book: Sandeep Bhougal, "QUANTITATIVE TECHNIQUES FOR BUSINESS DECISION," for M. COM. Semester-I (Study material), Directorate of Distance Education, University of Jammu, Jammu.

Rakesh Kumar

1. **Rakesh Kumar**, Economic analysis of an M/M/c/N queuing model with balking, reneging and retention of reneged customers, **Opsearch** Vol. 50, No. 3 (2013) 383-403.
2. **Rakesh Kumar** and Sumeet Kumar Sharma, An M/M/c/N queuing system with reneging and retention of reneged customers, **International Journal of Operational Research**, Vol. 17, No. 3 (2013), 333-344.
3. **Rakesh Kumar** and Sumeet Kumar Sharma, Economic analysis of M/M/c/N queue with retention of impatient customers, **International Journal of Mathematics in Operations Research**, Vol. 5, No. 6 (2013) 709-720.
4. **Rakesh Kumar** and Sumeet Kumar Sharma, A single-server Markovian Queuing system with discouraged arrivals and retention of reneged customers, **Yugoslav Journal of Operations Research**, Vol. 23, No. 2 (2013) DOI: 10.2298/YJOR120911019K.
5. **Rakesh Kumar** and Sumeet Kumar Sharma, A multi-server Markovian queueing system with discouraged arrivals and retention of reneged customers, **International Journal of Operations Research**, Vol. 9, No. 4 (2012), 173-184.
6. **Rakesh Kumar**, Transient solution of a catastrophic-cum-restorative M/M/2 queue with heterogeneous servers, **Pakistan Journal of Statistics**, Vol. 26, No.4 (2010) 609-613.

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Sandeep Sharma

1. J. P. Srivastava, Sandeep Sharma and B. Prasad, A Semi-symmetric non metric connection in an SP-Sasakian Manifold, *Varahmihir Journal of Mathematical Science*s, Volume 8, no-1 (2008), 169-177.

2. J. P. Srivastava, Sandeep Sharma and B. Prasad, A Semi-symmetric non metric sp-connection in an SP-Sasakian Manifold, *Varahmihir Journal of Mathematical Sciences,*Volume 8,no-1(2009),129-136.

3. Sandeep Sharma and Tehseen Abas,'ON LP-SASAKIAN Manifold satisfying certain conditions on the projective curvature tensor', *American Journal of Mathematics and Mathematical Sciences,* vol.1, no. 1, 2012, 69-73.

Surender Singh

1. P.K Bhatia, **Surender Singh**, Three Families of Generalized Fuzzy Directed Divergence, Advanced Modeling and Optimization, Vol.14, No.3 (2012) 599-614.
2. P.K Bhatia, **Surender Singh**, On Some Divergence Measures Between Fuzzy Sets And Aggregation Operations, Advanced Modeling and Optimization, Vol.15, No.2, (2013) 235-248.
3. P.K Bhatia, **Surender Singh**, A New Measure of Fuzzy Directed Divergence and its Application in Image Segmentation, International Journal of Intelligent Systems And Applications,Vol.5, No.4 (2013) 81-89 .
4. P.K Bhatia, **Surender Singh**, On a New Csiszar's f-Divergence Measure , Cybernetics and Information Technologies,Vol.13, No.2 (2013) 43-57.