

**List of Refereed Research Articles of Dr. Lokenath Debnath Published in the last ten years
(Total over 400)**

1. Unsteady MHD Free Convection Flow of Nanofluid Past an Accelerated Vertical Plate with Variable Temperature and Thermal Radiation(with Rajesh Vemula), *International Journal of Applied and Computational Mathematics*, First Online (06 May 2016)
2. A Brief History of Partitions of Numbers, Partition Functions and Their Modern Applications, *International Journal of Mathematical Education in Science and Technology*, **47** (2016) 329-355
3. On Analytical, Computational and Historical Developments of Statistics and Its Applications, *International Journal of Applied and Computational Mathematics*, First Online (07 October 2015)
4. Characterization of Inner Product Spaces (with K. Paul), *International Journal of Applied and Computational Mathematics*, Springer Verlag **10** (2015) 1007-1016.
5. A Short history of probability theory and its Applications (with K. Basu), *International Journal of Mathematical Education in Science and Technology*, **46** (2015) 13-39.
6. Computation of Anti-eigenvalues of bounded linear operators via centre of mass (with K. Paul), *International Journal of Applied and Computational Mathematics*, **1** (2015) 111-119.
7. Some Analytical and Computational Aspects of Prime Numbers, Prime Number Theorems and Distribution of Prime with Applications, *International Journal of Applied and Computational Mathematics*, **1** (2015) 3-32.
8. Refinements of Jordan-Stečkin and Becker-Stark Inequalities (with C. Mortici), *Results in Mathematics*, **67** (2015) 207-215.
9. A Brief History of the Most Remarkable Numbers e, i and γ in Mathematical Sciences with Applications, *International Journal Mathematical Education in Science and Technology*, **46** (2015) 400-440.
10. The double Laplace transforms with applications to functional, integral, and partial differential equations, *International Journal of Applied and Computational Mathematics*, **11** (2015) 1-15.
11. A Brief History of the Most Remarkable Numbers π, g , and δ in Mathematical Sciences with Applications, *International Journal of Applied and Computational Mathematics*, **10** (2015) 20-51.
12. Water Waves and the Kortweg-de Vries Equations with Applications, *Encyclopedia of Complexity and System Sciences*, Springer Verlag, **33** (2014) 1000-1055.

13. Modern Origin of Matrices and Their Applications, *International Journal of Mathematical Education in Science and Technology*, **45** (2014) 528-551.
14. A Brief Historical Introduction of Matrices with Applications, *International Journal of Mathematical Education in Science and Technology*, **45** (2014) 360-377.
15. Some New Convolution Properties and Inversion Formulas of Laplace transform (with M. Narahari) *Integral Transforms and Special Functions*, **25** (2014) 412-422.
16. On a Half-Discrete Hilbert-Type Inequality with a Logarithmic Kernel (with Bicheng Yang), *Journal of Indian Mathematical Society*, **81** (2014) 195-204.
17. Nonlinear Water Waves and Nonlinear Evolution Equations, *Encyclopedia of Complexity and System Science*, Springer Verlag, **33** (2014) 200-265.
18. Developments of the Theory Generalized Functions or Distributions – A Vision of Paul Dirac, *Analysis – International Mathematical Journal of Analysis and its Application*, **33** (2013) 57-99.
19. A short Biography of Paul A.M. Dirac and historical development of Dirac delta function, *International Journal of Mathematical Education in Science and Technology* **44** (2013)1201-1223.
20. Unsteady magnetohydrodynamic free convection flow past an accelerated vertical plate with constant heat flux and heat generation or absorption (with M. Narahari), *ZAMM (Zeitschrift für Angewandte Mathematik und Mechanik) or Journal of Applied Mathematics and Mechanics*, **93:1** (2013) 38-49.
21. Tight Wavelet Frames on Local Fields (with F. Shah) *International Mathematical Journal of Analysis and its Applications*, **33** (2013) 293-307.
22. A Brief Historical Introduction to Determinants with Applications, *International Journal of Mathematical Education in Science and Technology*, **44** (2013) 388-407.
23. A Multiple More Accurate Hardy-Littlewood-Polya Inequality (with Qiliang Huang and Bicheng Yang), *Le Matematiche*, **67** (2012) 93-105.
24. Modulational Stability and Instability of Korteweg-de Vries, Boussinesq, and Stokes Nonlinear Wavetrains, *Analysis & Mathematical Physics*, **12** (2012) 389-406.
25. Explicit Construction of M-Band Tight Framelet Packets (with Firdous Ahmad Shah), *International Mathematical Journal of Analysis and its Applications*, **32** (2012) 21001-1015.

26. Recent Developments of Hilbert-Type Discrete and Integral Inequalities with Applications (with Bicheng Yang), *International Journal of Mathematics and Mathematical Sciences*, Volume **2012** (2012) 1-29.
27. On continuous Bessel Wavelet Transformation associated with the Hankel-Hausdorff operator, (with S.K. Upadhyay, R.N. Yadav), *Integral Transforms and Special Functions*, **23:5** (2012) 315-323.
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29. Asymptotic Regularity and Fixed Point Theorems on a 2-Banach Space, (with Mantu Saha, Debashis Dey and Anamika Ganguly), *Surveys in Mathematics and its Applications*, **7** (2012) 31-38.
30. Sharpness and Generalization of Jordan's Inequality and its applications (with Chao-ping Chen) *Applied Mathematics Letters*,) **25** (2012) 594-599.
31. The Genesis of Convolution in Fourier Series and Fourier Transforms with Applications, *ANALYSIS – International Mathematical Journal of Analysis and its Applications*, **32** (2012) 39-66.
32. On Hilbert's Type Operator Norm Inequalities on Herz Spaces (with Kuang Jichang) *Le Matematiche*, **67:1** (2012) 33-42.
33. Wilker-Type Inequalities for Hyperbolic Functions, (with Shanhe Wu) *Applied Mathematics Letters*, **25** (2012) 837-842.
34. Asymptotic Regularity and Fixed Point Theorems on a 2-Banach Space (with Mantu Saha, Debashis Dey and Anamika Ganguly) *Surveys in Mathematics and its Applications*, **7** (2012) 31-38.
35. A Short Biography of Joseph Fourier and Historical Development of Fourier Series and Fourier Transforms, *International Journal of Mathematical Education in Science and Technology*, **43** (2012) 589-612.
36. On p-Wavelet Frame Packets on a Half-Line Using the Walsh-Fourier Transform (with F. A. Shah) *Integral Transforms and Special Functions*, **22** (2011) 907-917.
37. Dyadic Wavelet Frames on a Half-Line Using the Walsh-Fourier Transform (with F. A. Shah) *Integral Transforms and Special Functions*, **22:7** (2011) 477-486.
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40. Inequalities for differences of power means in two variables (with Shanhe Wu) *Analysis Mathematica*, **37** (2011) 151–159.
41. On a New Improvement of Van Der Corput's Inequality (with Xiaoming Zhang) *International Journal of Pure and Applied Mathematics*, **66:1** (2011) 113–120.
42. A Short History of the Fibonacci and Golden Numbers with their Applications, *International Journal of Mathematical Education in Science and Technology*, **42:3** (2011) 337–367.
43. Existence of Positive Solutions of Singular Elliptic Boundary Value Problems in a Ball (with Yingye Xu and Luanying Lian) *Computers and Mathematics Applications*, **61** (2011) 1335–1341.
44. Multiple positive solutions of a class of second-order nonlinear differential equations on a half-line, *Advanced Studies in Contemporary Mathematics*, **21** (2011) 73-84.
45. Positive Solutions of Singular Boundary Value Problems for Sturm-Liouville Differential Systems involving Parameters (with Yan Sun) *Pacific Journal of Applied Mathematics*, **2:3** (2010) 265–276.
46. On the Existence of Multiple Positive Solutions for the BVPs of the second Order ODEs on the Half Line (I) (with Yuji Liu) *Far East Journal of Applied Mathematics*, **42:1** (2010) 1-34.
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54. The n-dimensional continuous wavelet transformation on Gelfand and Shilov type spaces (with S. K. Upadhyay and R. N. Yadav) *Surveys in Mathematics and its Applications*, **4** (2009) 239-252
55. Weakly non-linear analysis of Rayleigh-Benard convection with time periodic heating, *International Journal of Non-Linear Mechanics*, **44** (2009) 58-65.
56. Generalizations of a parameterized Jordan-type inequality, Janous's inequality and Tsintsifas's inequality (with Shanhe Wu), *Applied Mathematics Letters*, **22** (2009) 130-135.
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63. On Some New Nonlinear Delay and Weakly Singular Integral Inequalities (with Qing-Hua Ma) *Journal of Applied Mathematics and Informatics*, **26:5-6** (2008) 877-888.
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65. A New Generalization of Aczel's inequality and its applications to an improvement of Bellman's inequality (with Shanhe Wu), *Applied Mathematics Letters*, **21:6** (2008) 588-593.
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109. Interaction of Moving Interfacial Cracks between bonded dissimilar elastic strips under antiplane shear (with S. Das), *International Journal of Pure and Applied Mathematics*, **15:1** (2004) 13-24.
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