Publications

Publications

1. *New Approach To A Generalized Fractional Integral*, Appl. Math. Comput. **218**(3)(2011) 860-865. (Access [1]) or (arXiv [2])

2. *New Technique for Text Data Compression*, Proceedings of IEEE International Conference on Computer, Consumer and Control, 2012 in Taichung, Taiwan, p 405 - 409. (Access [3]) or (Access [4]) (Conference website [5])

3. *Existence and Uniqueness results for the Generalized Fractional Differential Equations*, 5th IFAC Symposium on Fractional Differentiation and Its Applications, Nanjing, China, 2012.

4. *The Formulation of Generalized Fractional Euler-Lagrange Equation*, 5th IFAC Symposium on Fractional Differentiation and Its Applications, Nanjing, China, 2012.

5. *New Approach to Generalized Fractional Derivatives*, Bull. Math. Anal. App. **6**(4)(2014) 1-15. (Access [6]) or (arXiv [7])

6. *Mellin Transforms of the Generalized Fractional Integrals and Derivatives*, Appl. Math. Comput. **257**(2015) 566-580. (Access [8]) or (arXiv [9])

7. *A New Fractional derivative with classical properties I*, Submitted to J. Amer. Math. Soc (2014). (arXiv [10])

8. *A New Family of Sequences I*, Submitted for publication (2014).

9. *New Random Number Generators Using Nonlinear Functions I*, Submitted for publication (2014).

10. *A Novel Color Image Encryption Scheme Using Fractional Derivatives*, Submitted for publication (2014).

11. (with Makrogiannis) *A Calculation Based Approach to Real-Time Signature Verification*, in preparation

Books and Journal Articles that cite my research work

Books

1. *Fractional Calculus: An Introduction for Physicists*, R Herrmann, World Scientific, 2011

2. *Advanced Methods in the Fractional Calculus of Variations*, Agnieszka B. Malinowska, Tatiana Odzijewicz and Delfim F. Torres, Springer, Feb 2015.

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1. S. Gaboury, R. Tremblay, and B. Fugère, *Some relations involving a generalized fractional derivative operator*, Journal of Inequalities and Applications (Springer), 2013:167. Access [11]

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4. A. G. Butkovskii, S. S. Postnov, E. A. Postnova, *Fractional integro-differential calculus and its control-theoretical applications. I. Mathematical fundamentals and the problem of interpretation*, Automation and Remote Control (Springer), Vol 74, Issue 4, 2013, p543-574. Access [14]

5. M. A. Noor, M.U. Awan, K. I. Noor, *On Some Inequalities for Relative Semi-Convex Functions*, Journal of Inequalities and Applications (Springer), 2013:332. Access [15]

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7. S. S. Nayak, S. P. Sahoo, R. Matta, S.K. Pattanayak, *A Modified Approach to Lossless Data Compression Method.* IJREISS, Vol 2, Issue 11 (Nov 2012), ISSN: 2250-0588. Access

8. I. Nesiolovskiy, A. Nesiolovskiy, *Binary-Ternary Compressing Data Coding*. arXiv:1201.5603 [17] [cs.IT] (2012).

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