

## List of Publications of (2011-2012)

### Journals

#### **Dr. U. K. Saha**

1. U.K. Saha and L.K. Arora, On the Solutions of Generalized Fractional Kinetic Equations Involving the Generalized Functions for the Fractional Calculus, *International Journal of Pure and Applied Sciences and Technology* 7(1) (2011), pp. 39-47.
2. U.K. Saha, L.K. Arora and B.K. Dutta, Integrals Involving I-Function, *Gen. Math. Notes*, Vol. 6, No. 1, September 2011, pp.1-14.
3. U.K. Saha and L.K. Arora, On Weyl Fractional Derivatives of the Product of Hypergeometric Function and H-Function, *Int. J. Contemp. Math. Sciences*, Vol. 6, 2011, no. 29, 1411 – 1418.
4. B.K. Dutta, L.K. Arora and U.K. Saha, On Generalized Fractional Integral Operators and the Multivariable H-Function, *Advances in Theoretical and Applied Mathematics* Volume 6, Number 4 (2011), pp. 423-434.

#### **Dr. A. K. Atta**

1. **Atta, A. K.**; Bee, Seul, Cho, D-G. One Pot Oxidative Esterification of Aldehydes. *Bull. Korean Chem. Soc.* **2011**, 32, 2070-2073.
2. **Atta, A. K.**; De, D.; Bhowmik, A.; Manna, C.; Pal, T.; Pathak, T. Synthesis of vinyl sulfoxide-modified pent-2-enofuranosides and hex-2-enopyranosides and preliminary studies of their reactivity. *Eur. J. Org. Chem.* **2012**, 5010–5017.
3. **Atta, A. K.**; Ahn, In-Ho.; Hong, A.-Y.; Heo, J.; Kim, C.-K.; Cho, D-G. Fluoride indicator that functions in mixed aqueous media: hydrogen bonding effects. *Tetrahedron Lett.* **2011**, 53, 575-578.

#### **Dr. Susanta Maity**

1. S. Maity and B.S. Dandapat, Flow of thin liquid film over a rough rotating disk , *Proceeding of National Seminar on Mathematical Modeling of Natural Phenomena*, ISBN 978-93-80663-33-5, (2012), 90-95

#### **Dr. Nabakumar Pramanik**

1. S. Chakraborty and N. **Pramanik**, “A facile route for the detection of alcohol”, *International Journal of Chemical Science* vol.3 (2012) pp.19-23.

## **Anish Kumar Saha**

1. Anish Kumar Saha , Partha Pratim Deb , Moutushi Kar, D. Rudrapal , “An Optimization Technique of Web Caching using Fuzzy Inference System”, International Journal of Computer Applications (IJCA) Volume 43– No.17, April 2012pp. 20-23.

## **Santanu Maity**

1. Avra Kundu, Sonali Das, Santanu Maity, Bhaskar Gupta, Samir K Lahiri and Hiranmay Saha, “*A tunable band-stop filter using a metamaterial structure and MEMS bridges on a silicon substrate*”, JOURNAL Micromech. Microeng. 22 (2012) 045004 (12pp)

## **Shantanu Chatterjee**

1. Shantanu chatterjee, S. Mallika, “ Use of Cascaded Multilevel Inverter for Photovoltaic System with PI control”, IJECEE, Vol. 2, Issue 2, ISSN 2270-7040

## **International Conferences**

### **Anish kumar Saha**

1. “Caching and Prefetching using Neuro-Fuzzy Inference System” in the National Seminar on Emerging Trends in Science & Technology, organized by Faculty of Science & Technology, The ICAFI University Tripura during, March 25-26,2011.

### **Santanu Maity**

1. S. Ghosh, S. Maity, A. Kundu, S. Chatterjee, H. Saha, “*Thermal analysis of cantilever MEMS based low power microheater array for the selective detection of explosive and toxic gases*”, IEEE conference.