

# SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(Deemed to be University)

# Research Publications 2015/16

# **Mathematics and Computer Science**

#### **PUBLICATIONS IN PEER REVIEWED JOURNALS**

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- Bharadwaj B V K and Baruah P K, Existence of a Non-Oscillating Solution for a Second Order Nonlinear ODE,
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- Ajith Padyana and Baruah P K, Performance of DNA Sequences Compression on Multicores and GPUs, *RGN Publications*, 7(3), 131-147, (2015).
- Sree Ranga Vani K and Prasada Rao D R V, Effect of Thermal Radiation on Unsteady Convective Heat Transfer Flow of a Rotating Nano-Fluid Past a Vertical Plate, *Pelagia Research Library, Advances in Applied Science Research*, 7(3), 83-94, (2016).
- Sree Ranga Vani K and Prasada Rao D R V, Effect of Non-Linear Density Variation on Convective Heat and Mass Transfer with Third Order Boundary Conditions, *Mathematical Theory and Modelling*, 5(12), 112-123, (2015).
- Sree Ranga Vani K and Prasada Rao D R V, Combined Influence of Chemical Reaction, Dissipation and Radiation Absorption on Convective Heat and Mass Transfer Flow in a Non-Uniformly Heated Vertical Channel, Advances in Physics Theories and Applications, 47, 32-44, (2015).

## **CONFERENCE PRESENTATIONS / PROCEEDINGS**

- Iyer G, Baruah P K and Mukkamala R, Privacy-Preserving Frequent Itemset Mining in Outsourced Transaction Databases, *IEEE- ICACCI 2015*, (10-13 Aug 2015), Kochi, India.
- Harish, Ayyappa T, Sai Santosh and Baruah P K, D-Face: Parallel Implementation of CNN based Face Classifier Using Drone Data on K40 and Jetson TK1, *IEEE HiPC, Student Research Symposium*, (16-19 Dec 2015), Bangalore, India.
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- Kumar A and Balasubramnainan S, Sparse Representation based Background Subtraction in Videos, NCVPRIPG, (17-19 Dec 2016, IIT Patna, India.
- Soukharev V, Jao D and M Seshadri Srinath, Post-Quantum Security Models for Authenticated Encryption, 7<sup>th</sup> International Conference on Post-Quantum Cryptography (PQCrypto 2016), Fukuoka, Japan. Takagi, T. (Ed.), Springer International Publishing, (24-26 Feb 2016), pp64-78.

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# **Physics**

- S Deepa, Dwaraka Rani Rao and Venkataramaniah K, Precision Electron

  –Gamma Spectroscopic Data from The Beta Decay of 153Sm, *Radiation Physics and Chemistry*, 119, 207, (2016).
- L A Avinash Chunduri, Aditya D Kudekar, Sandeep Patnaik, Vishnu Dev B, Tanu Mimani Rattan and Venkataramaniah K, Carbon Quantum Dots from Coconut husk: Evaluation for Anioxidant and Cytotoxic Acitivity, *Materials Focus*, 5(1), 55-61, (2016).
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# **Chemistry**

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