



SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(Deemed to be University)

Research Publications 2016/17

Mathematics and Computer Science

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Srinath M Seshadri and Chandrasekaran V, Isogeny-based Quantum Resistant Undeniable Blind Signature Scheme, *International Journal of Network Security* (2018).
- K S Sridharan, M Ramya, V Krishnaven, Certain Investigations on IRIS Recognition using Hybrid Approach of Fourier Transform and Bernstein Polynomials, *Pattern Recognition Letters*, 94,154-162 (Apr 2017).
- Y Lakshmi Naidu, C R Saranya, Paired Neighbourhood set on Interval Graphs, *International journal of Pure & Engineering Mathematics*, 4, 21-26 (2016).
- K Chaitanya, Pavan Tanay, K Yogesh Murthy, P D Kartheek, and Baruah P K, GPU Accelerated Image Segmentation using Cascaded Hierarchical Models, *International Journal of Engineering Science (IJESC)*, 6, 3687-3691 (2016).
- Ramesh Sharma, S Balasubramanian, N Uday Kiran, Some Remarks on Ricci Solitons, *Journal of Geometry* (2017).
- K Chaitanya, Pavan Tanay K, Srikanth Khanna, Chandrasekaran V, Baruah P K, Kartheek Diwakar Pingali, Sai Hareesh Anamandra, GPU Accelerated Video Super Resolution Using Transformed Spatio-temporal Exemplars, *International Journal of Grid and Utility Computing* (2017).
- Srinivasu P D N, Vamsi D K K, Aditya, Biological Conservation of Living Systems by Providing Additional Food Supplements in the Presence of Inhibitory Effect: A Theoretical Study Using Predator-Prey Models, *Differential Equations and Dynamical Systems* (2017). DOI: 10.1007/s12591-016-0344-4
- Neeraja Ch, Gopal H K, Prasada Rao D R V and Sree Ranga Vani K, Effect of Chemical Reaction, Radiation and Radiation Absorption on an Unsteady Convective Heat and Mass Transfer Flow of a Viscous Fluid in a Vertical Wavy Channel with Oscillatory Flux and Heat Sources, *Advances in Applied Science Research*, 7(3), 127-141 (2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- K Chaitanya, Pavan Tanay, Srikanth Khanna, Chandrasekaran V, Fast Video Super Resolution using Deep Convolutional Networks, *IEEE 2017 International Conference on Innovations in information Embedded and Communication Systems* (17-18 Mar 2017) ICIECS, Coimbatore, Tamil Nadu, India.
- K Chaitanya, Pavan Tanay, Srikanth Khanna, Chandrasekaran V, Baruah P K, Single Image Super Resolution using Transformed Self-Exemplars: A Heterogeneous Parallel Computing Approach, *IEEE International Conference on High Performance Computing* (HiPC-2016) Hyderabad, India.
- K Chaitanya, Pavan Tanay, Srikanth Khanna, Chandrasekaran V, Baruah P K, Heterogeneous Parallel Implementation of Single Image Super Resolution using Transformed Self-Exemplars on Multi-core & TitanX GPU, *International Conference on Parallel, Distributed and Grid Computing* (PDGC-2016) Himachal Pradesh, India.

- K Chaitanya, Pavan Tanay, Srikanth Khanna, Chandrasekaran V and Baruah P K, GPU Accelerated Video Super Resolution Using Very Deep Convolutional Networks, **GPU Technology Conference** (6 Dec 2016) Mumbai, India.
- K Chaitanya, Pavan Tanay, P D Kartheek, Baruah P K, Srikanth Khanna and Chandrasekaran V, Heterogeneous Parallel Implementation of Single Image Super Resolution using Transformed Self-Exemplars on Multicore & TitanX GPU, **Parallel, Distributed and Grid Computing (PDGC), 2016 Fourth International Conference** (22-24 Dec 2016) Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh, India.
- Ch Bhaskar Vishnu Vardhan and Baruah P K, Improving the Performance of Heterogeneous Hadoop Cluster, **IEEE PDGC-Parallel, Distributed and Grid Computing (PDGC), 2016 Fourth International Conference** (22-24 Dec 2016) Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh, India, pp.225-230.
- V Suriya Narayan, Vijeth Bidare Vijayakumar, Sai Raam Venkatraman, and Baruah P K, Semantic Node Embeddings of Distributed Graphs Using Apache Spark, **IEEE PDGC-Parallel, Distributed and Grid Computing (PDGC), 2016 Fourth International Conference** (22-24 Dec 2016) Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh, India.
- K Chaitanya Pavan Tanay, Srikanth Khanna, Chandrasekaran V and Baruah P K, Fast Video Super Resolution using Deep Convolutional Networks, **International Conference on Innovations in Information, Embedded and Communication System (ICIIECS)** (17-18 Mar 2016) Karpagam College of Engineering, Othakkalmandapam, Coimbatore, India.
- Kartheek Diwakar Pingali, Chaitanya Pavan Tanay K and Baruah P K, GPU Accelerated Suffix Array Construction for Large Genome Sequences, **International Conference on Innovations in Information, Embedded and Communication System (ICIIECS)** (17-18 Mar 2016) Karpagam College of Engineering, Othakkalmandapam, Coimbatore, India.
- N Uday Kiran, Ubertino Battisti, Sandro Coriasco, Hyperbolic Operators with Non-Lipschitz Coefficients, **Recent Advances in Theoretical and Computational Partial Differential Equations**, (5 Dec 2016) Panjab University, Chandigarh.
- Sree Ranga Vani K and Prasada Rao D R V, MHD Convective flow of nano fluid with thermal radiation over a plate embedded in a porous medium, **International Conference on Mathematical Sciences & Engineering Applications** (23-25 Dec 2016) Visakhapatnam.

Physics

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Guduru S S K, Scotognella F, Chiasera A, Sreeramulu V, Criante L, Vishnubhatla K C, Ferrari M, Ramponi R, Lanzani G, Vázquez R M, Highly integrated lab-on-a-chip for fluorescence detection, **Optical Engineering**, 55(9) (2016).
- L A Avinash Chunduri, Aditya D Kurdekar, Pradeep B E, Mohan Kumar Haleygirisetty, Indira K Hewlett and Venkataramaniah K, Streptavidin conjugated ZnO nanoparticles for early detection of HIV infection, **Advanced Materials Letters**, 8(4), 472-480 (2017).
- Aditya D Kurdekar, L A Avinash Chunduri, Sai Manohar Chelli, Mohan Kumar H, Pradeep B E, Jiwen Zheng, Indira K Hewlett and Venkataramaniah K, Fluorescent silver nanoparticle based highly sensitive immunoassay for early detection of HIV infection, **RSC Advances**, 20(99), 1-13 (2017).
- Prathibha C, V K Ranganayakulu, L A Avinash Chunduri, Lakshmana Reddy N, Shankar V M and Venkataramaniah K, Trititanate Nanotubes as highly efficient adsorbent for fluoride removal from water: Adsorption performance and uptake mechanism, **Journal of Environmental Chemical Engineering**, 4, 4754-4768 (2016).
- E Rajasekhar, G Swetha Rani and Venkataramaniah K, Determination of Mass Attenuation Coefficients of Few Wood Materials, **Science Spectrum**, 1(4), 451-454 (2016).
- Deepa S, 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, Mohan Kumar Haleyurgirisetty, Sandeep Patnaik, Pradeep B E, Aditya Kurdekar, Jikun Liu, Indira K Hewlett and Venkataramaniah K, Development of carbon dot based microplate and microfluidic chip immunoassay for rapid and sensitive detection of HIV 1 p24 antigen, **Microfluidics and Nanofluidics**, 119, 207 (2016).
- Venkataramaniah K and Tanu Rattan, Electrical Power from Nuclear Energy: An up-to-date overview, **ITAS Bulletin**, 8(1), 41-49 (2016).
- Vishwanathan A S, Kartik S Aiyer, L A Avinash Chunduri, Venkataramaniah K, Siva Sankara Sai S, Govind Rao, Carbon quantum dots enhance electron transfer to the anode of a microbial fuel cell. **3 Biotech (a Springer Journal)**, 6 (2), 228 (2016).
- Sood P C and Gowrishankar R, Characterization of long-lived isomers in the odd-odd heavy actinide 254Md, **Physics Review**, C95, 024317 (2017).
- Muralikrishna Molli, Abhijit Bhat Kademane, Prabin Pradhan, V Sai Muthukumar, Study of nonlinear optical absorption properties of V2O5 nanoparticles in the femtosecond excitation regime, **Applied Physics A**, 122, 757 (2016).
- Shailesh Srivastava, Sreesha Rao D S and Hari Nandakumar, Novel optical gyroscope: proof of principle demonstration and future scope. **Scientific Reports**, 6 (34634) (2016).
- Sai Pavan Prashanth Sadhu, Tukaram Shet, Abhijit B K, Akash Pradhan, Muralikrishna Molli, V Sai Muthukumar, K B R Varma, Linear and nonlinear optical properties of Tellurium Vanadate (Te2V2O9), **Optical Materials**, 69, 128–133 (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Vijaya Sai K, P S J Bharadwaj, Gowrishankar R, Deepa S, Dwaraka Rani Rao, Venkataramaniah K, Experimental Internal Conversion Coefficients ICC of High multipole transitions in some odd-A nuclei, **DAE Symposium on Nuclear Physics** (5-9 Dec 2016) Saha Institute of Nuclear Physics, Kolkata, Proceedings of the DAE-BRNS Symposium on Nuclear Physics, Vol. 61, pp.324-325.
- Aditya Dileep Kurdekar, L A Avinash Chunduri, Pradeep B E, Mohan Kumar Haleyurgirisetty, Jikun Liu, Indira K Hewlett and Venkataramaniah K, Fluorescent Silver Nanoparticles Enabled Sandwich Based Immunosensor for Early and Sensitive Detection of HIV, **Biosensors and Bioelectronics Symposium** (2017), Miami, USA.
- Aditya Jayaraman, Abhijit B K, and Muralikrishna Molli, Ab-Initio study of optical properties of Cu3SbSe3, **AIP Conference Proceedings** (2017), 1832, 090001-1 to 090001-3.
- Sainandan Bayya Venkata, Prabhakara Yellai, Gaurav D Verma, Andhavarapu Lokesh, Adithya K S and Siva Sankara Sai S, A New Light Weight Transport Method for Secured Transmission of Data for IoT, **IEEE-ANTS -2016 Conference**, (6-9 Nov 2016) Indian Institute of Science, Bangalore.
- Boopala Krishnan, Sudheer Babu, Sai Prem Shaji, Amar Sainath Reddy T and Siva Sankara Sai S, Software Based Gateway with Distributed Flow Environment for Medical IoT in Rural Areas, **IEEE-ANTS -2016 Conference**, (6-9 Nov 2016) Indian Institute of Science, Bangalore.
- Subam Rai, Murali Ravi, Vijay Sai K and Siva Sankara Sai S, GATE Simulation of Coded Mask Aperture for near field gamma ray imaging application, **DAE Symposium on Nuclear Physics**, Saha Institute of Nuclear Physics, Kolkata, (5-9 Dec 2016) Proceedings of the DAE-BRNS Symposium on Nuclear Physics, 61, 1088 (2016).
- Vishwanathan A S, Kartik S Aiyer, Siva Sankara Sai S and Rao G, Novel high-throughput sensing platform for screening microbial fuel cell components, **26th Anniversary World Conference on Biosensors**, (25-27 May 2016) Gothenburg, Sweden.
- Prathibha C, Lakshmana Reddy Nagappagari, Shankar V Muthukonda, Venkataramaniah K, Rapid defluoridation of drinking water using hydrogen trititanate nanorods as adsorbent, **International Conference on Sustainable Environment and Energy (ICSEE 2017)**, (12-14 Apr 2017), Hindusthan University, Chennai, Tamil Nadu, India.
- Sai Kiran Aditha, Sai Vamsi Krishna V, Aditya Kurdekar, Prathibha C and Venkataramaniah K, Cu2ZnSnS4 as a Potential Photovoltaic Material, **International Conference on Nanomaterials and Nanotechnology (ICNANO-2017)**, (1-3 Mar 2017), Vinoba Bhave Research Institute, Allahabad, India.

- Gowrishankar R, K Vijay Sai and Sood P C, Level Structures in the Odd-Odd Nucleus ^{186}Re , **DAE Symposium on Nuclear Physics**, (5-9 Dec 2016) Saha Institute of Nuclear Physics, Kolkata, 61 (2016) 186-187.
- Sood P C, Gowrishankar R and Vijay Sai K, Description of Long-Lived Isomers in ^{254}Md , **DAE Symposium on Nuclear Physics**, (5-9 Dec 2016) Saha Institute of Nuclear Physics, Kolkata, 61, 274-275.
- Gowrishankar R, Abhijit B K, and Muralikrishna Molli, Thermoelectric and Optical properties of BaTiO_3 in cubic and tetragonal phases – an ab-initio study, **Second International conference on Materials Science and Technology – ICMST 2016** (June 2016) St. Thomas College, Kerala.
- Krishna Kumar Naik B, Ruman Dutta, Shashidhara G, Gowrishankar R, Siva Sankara Sai S, Sai Kishore B and Prabhat Praveen Behere, Defragmentation of Flexible Dense Wavelength Division Multiplexing (FDWDM) networks using Wavelength Tunability Criterion, **IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS) 2016**, (6-9 Nov 2016) Bangalore. DOI: 10.1109/ANTS.2016.7947856.
- Murali Ravi, Shashidhara T G, Sivaramakrishnan S and Siva Sankara Sai S, A novel System on Chip design for Thyroid imaging studies. **2016 IEEE International Conference on Advances in Electronics** (2-3 Dec 2016) Communication and Computer Technology (ICAECCT), Pune, India. IEEE - 10.1109/ICAECCT.2016.7942572.
- Abhijit B K, Muralikrishna Molli, Ab-Initio study of optical and electronic transport properties of $\text{Te}_2\text{V}_2\text{O}_9$. **DAE Solid State Physics Symposium 2016** (26-30 Dec 2016) KIIT University, Bhubaneswar, Odisha.
- Abhijit B K, Gowrishankar R and Muralikrishna Molli, First principle study of electronic and transport properties of nickel doped tin oxide, **The International Conference on Technologically Advanced Materials (ICTAM-AMF10)** (7-11 Nov 2016) Delhi University, Delhi.
- Abhijit B K and Muralikrishna Molli, Effect of Sulphur Doping on Optical Properties of Zirconium Selenide – A First Principles Study, **ICMST 2016**, (5-8 June 2016) St. Thomas College, Pala, Kerala.
- Abhijit B K and Muralikrishna Molli, Study of Optical Properties of ZrSe_2 and Li intercalated ZrSe_2 , **ICMST 2016**, (5-8 June 2016) St. Thomas College, Pala, Kerala.

Chemistry

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Rene C L, Thiagarajan R, Himesh V M, Venkatsubramanian U, Selva G S, Ashok A K, Anisha M, Sundaresan C N and Saisubramanian N, Dithiazole thione derivative as competitive NorA efflux pump inhibitor to curtail multi drug resistant clinical isolate of MRSA in a zebrafish infection model, **Applied Microbiology and Biotechnology**, 100(21), 9265-9281 (2016).
- Sai Giridhar Sarma Kandanur, Srinivas Nanduri and Nageswara Rao G, Synthesis and biological evaluation of new C-12(a/b)-(N-) sulfamoyl-phenylamino-14-deoxy-andrographolide derivatives as potent anti-cancer agents, **Bioorganic & Medicinal Chemistry Letters**, 27, 2854–2862, (May 2017).
- Kar S, Adithya K S, Shankar P, Babu N J, Srivastava S and Rao G N, Nonlinear optical studies and structure-activity relationship of chalcone derivatives with in silico insights, **Journal of Molecular Structure**, 1139, 294-302, (March 2017).
- Ramakrishna M, Rajesh Babu D, Gengan R M, Chandra S and Nageswara Rao G, Green synthesis of gold nanoparticles using marine algae and evaluation of their catalytic activity, **Journal of Nanostructure in Chemistry**, 6, 1-13 (2016).
- Rohit K Mishra, Ramakrishna M, Vani Mishra, Ashutosh Pathak, S Rajesh, Shivesh Sharma, Nageswara Rao G and Anupam Dikshit Pharmacology-Phylogenetic Investigation of Methyl Gallate Isolated from *Acacia nilotica* (L.) Delile and Its Cytotoxic Effect on NIH3T3 Mouse Fibroblast, **Current Pharmaceutical Biotechnology**, 17(5), 540-548 (2016).
- Sai Praneeth Thota, Pradeep Kumar Badiya, Sandeep Yerram, Praveen V Vadlani, Meera Pandey, Nageswara Rao G, B Siva Kumar, Rajesh Babu D, Sai Sathish R, Macro-micro fungal cultures synergy for innovative cellulase enzymes production and biomass structural analyses, **Renewable Energy**, 103 (April 2017), 766-773 (2016).
- Sridhar G, Mohammed Bilal I, Easwaramoorthy D, Kutti Rani S, Siva Kumar B and Chelli Sai Manohar, Synthesis, Characterization and Antimicrobial Activities of Copper, Nickel, Cobalt, Chromium Complexes Derived from (Z)-4-

Fluoro-N-(2,7-dimethylhept-6-enylidene) benzenamine, *Journal of Braz. Chemical Society*, 28(5), 756-767 (2017).

- Sunil Adurty, Lohith Karnam, Sundaresan Neelakantan Chittor, Siva Kumar B, Optical Sensing of Fluoride Through a Self-Organized Fluorescent Ensemble of Quinizarin-Al(III) Complex, *Journal of AOAC International*, 99(6), 1636-1641 (2016).
- Pradeep Kumar Badiya, Sai Sathish R, Smartphone Plasmonics for Doxycycline Detection with Silver-Lignin Biospacer at Attomolar Sensitivity, *Plasmonics*, 1-6 (2017).
- Pradeep Kumar Badiya, Jayakumar T P, Venkatesh S and Sai Sathish R, Spacer Layer Engineering for Ultrasensitive Hg(II) Detection on Surface Plasmon Coupled Emission Platform, *Nanotechnology Reviews*, In Press (2017).
- Venkatesh S, Manne Anupam Kumar, Sai Gourang Patnaik, Sai Sathish R, Cellphone Monitoring of Multi-Qubit Decay in Tunable Coupling Regimes with Attomolar Sensitivity, *ACS Applied Materials & Interfaces*, 8(35), 23281–23288 (2016).
- Venkatesh S, Dnyanesh V, Garima J, Dinesh J, Sai Sathish R, Earth Abundant Iron-Rich N-Doped Graphene Based Spacer and Cavity Materials for Surface Plasmon-Coupled Emission Enhancements, *ACS Applied Materials & Interfaces*, 8(19), 12324–12329 (2016).
- Pradeep Kumar Badiya, Venkatesh S, Jayakumar T P and Sai Sathish R, Ag-CNT architectures for attomolar dopamine detection and 100-fold fluorescence enhancements with cellphone-based surface plasmon-coupled emission, *ChemPhysChem*, 17, 1-5 (2016).
- Sai Praneeth Thota, Pradeep Kumar Badiya, Sandeep Yerram, Praveen V Vadlani, Meera Pandey, Nageswara Rao G, B Siva Kumar, Rajesh Babu D, Sai Sathish R, Macro-micro fungal cultures synergy for innovative cellulase enzymes production and biomass structural analyses, *Renewable Energy*, 103, 766–773 (2017).
- B Santosh, Zheqiong Wu, R Sai Siddhartha, G Krishna Prasad, Sai Sathish R, Somenath Mitra, Rajesh Babu D, Ruthenium Decorated Carbon Nanoink as Highly Active Electrocatalyst in Hydrogen Evolution Reaction, *International Journal of Hydrogen Energy*, 41(48), 23007-23014 (2016).
- Santosh B, Zheqiong Wu, Sai Siddhartha R, Krishna Prasad D, Sai Sathish R, Somenath Mitra, Rajesh Babu D, Ruthenium decorated carbon nanoink as highly active electrocatalyst in hydrogen evolution reaction, *International Journal of Hydrogen Energy*, 41(48), 23007-23014, (28 Dec 2016).
- Sai Praneeth Thota, Pradeep Kumar Badiya, Sandeep Yerram, Praveen V Vadlani, Meera Pandey, Nageswara Rao G, B Siva Kumar, Rajesh Babu D, Sai Sathish R, Macro-micro fungal cultures synergy for innovative cellulase enzymes production and biomass structural analyses, *Renewable Energy*, 103, 766–773, (April 2017).
- A Sunil, K Lohith, C N Sundaresan and B Siva Kumar, Optical Sensing of Fluoride Through a Self-Organized Fluorescent Ensemble of Quinizarin-Al (III) Complex, *Journal of AOAC International*, 99(6), 1636-1641 (2016).
- Pradeep Kumar Badiya, Jayakumar T P, Srinivasan V, Sai Sathish R, Spacer Layer Engineering for Ultrasensitive Hg(II) Detection on Surface Plasmon Coupled Emission Platform, *Nanotechnology Reviews* (2017).
- Pradeep Kumar Badiya, Srinivasan V, Sai Sathish R, Silver-graphene oxide based plasmonic spacer for surface plasmon-coupled fluorescence emission enhancements, *Materials Research Express* (2017).
- Pradeep Kumar Badiya, Sai Sathish R, Smartphone Plasmonics for Doxycycline Detection with Silver-Lignin Biospacer at Attomolar Sensitivity, *Plasmonics*, 1-6 (2017).
- Pradeep Kumar Badiya, Srinivasan V, Naik S P, Rai B, Reddy N, Chandran S P, Muthukumar V S, Molli M, Sai Sathish R, Low-Cost Plasmonic Carbon Spacer for Surface Plasmon-Coupled Emission Enhancements and Ethanol Detection: a Smartphone Approach, *Plasmonics*, 1-6 (2017). DOI: 10.1007/s11468-017-0538-9
- Pradeep Kumar Badiya, Srinivasan V, Jayakumar T P and Sai Sathish R, Ag-CNT Architectures for Attomolar Dopamine Detection and 100-Fold Fluorescence Enhancements with Cellphone-Based Surface Plasmon-Coupled Emission Platform, *ChemPhysChem*, 17(18), 2791-2794 (2016).
- Sai Pavan Prashanth Sadhu, Sasidhar Siddabattuni, Bharathi Ponraj, Muralikrishna Molli, Sai Muthukumar V and K B R Varma, Enhanced dielectric properties and energy storage density of interface controlled ferroelectric BCZT-epoxy nanocomposites, *Composite Interfaces*, 24(7), 663-675 (2017).

- Sai Praneeth Thota, Pradeep Kumar Badiya, Sandeep Yerram, Praveen V Vadlani, Meera Pandey, Nageswara Rao G, B Siva Kumar, Rajesh Babu D and Sai Sathish R, Macro-micro fungal cultures synergy for innovative cellulase enzymes production and biomass structural analyses, **Renewable Energy**, 103, 776-773 (2017).
- B Santosh, Zheqiong Wu, R Sai Siddhartha, G Krishna Prasad, Sai Sathish R, Somenath Mitra, Rajesh Babu Di, Ruthenium decorated carbon nanoink as highly active electrocatalyst in hydrogen evolution reaction, **International Journal of Hydrogen Energy**, 41(48), 23007-23014 (2016).
- Sridhar G, Mohammed Bilal I, Easwaramoorthy D, Kutti Rani S, B Siva Kumar, Chelli Sai Manohar, Synthesis, Characterization and Antimicrobial Activities of Copper, Nickel, Cobalt, Chromium Complexes Derived from (Z)-4-Fluoro-N-(2,7-dimethylhept-6-enylidene) benzenamine, **Journal of Brazilian Chemical Society**, 28(5), 756-767 (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Prashant Rai, Swayamsiddha Kar, Jagadeesh Babu N, Ram Murthy, Brahma Teja, Nageswara Rao G, Synthesis of Pyrylium salts and Diketones as potential Biological Agents, **Integrated Chemi Conference**, (10-12 Feb 2017), SSSIHL, Prasanthi Nilayam.
- Swayamsiddha Kar, Chelli Sai Manohar, Naveen S, B Siva kumar and Nageswara Rao G, Effect of ring size on the stability of the Spirobibenzopyrans, **Integrated Chemi Conference**, (10-12 Feb 2017), SSSIHL, Prasanthi Nilayam.
- Nitesh Tamang, Suraj Sahoo, Swayamsiddha Kar, Jagadeesh Babu N, Rajesh Babu D, Mukesh Doble and Nageswara Rao G, Novel Diarylidene cycloalkanones as potential anti-inflammatory agents, **Integrated Chemi Conference**, (10-12 Feb 2017), SSSIHL, Prasanthi Nilayam.
- Sudhakar H, Naveen M, Pavana Kumari G, Silica Sulphuric acid catalyzed three - component synthesis of 3,4 – dihydropyrimidinones, **International Congress on Recent Advances in Chemistry and Chemical Engineering**, (11-13 Jul 2016) JNTU – Hyderabad.
- Sudhakar H, Naveen M and Pavana Kumari G, A Greener Synthesis of exo-1,6,7,7a,12,12a-hexahydroindolo (3,2-c) pyrazolo (3,4-f) quinolones using polystyrene-supported p-toluene sulfonic acid (PS/PTSA): An application of Povarov Reaction, **International conference on Trend setting Innovations in Chemical Sciences and Technology**, (04-06 Oct 2017), Nature Inspired Chemistry And Engineering sponsored by TEQIP-11, Centre for Chemical Sciences & Technology, JNTU-H, Hyderabad, India.
- Sudhakar H, Pavana Kumari G and Naveen M, Blend membranes of Poly (Vinyl Alcohol) and Gelatin for Pervaporation Dehydration of Water-isopropanol Mixtures, **UGC sponsored Two Day seminar on Modern Trends in Chemistry Research**, (27-28 Jan 2017), Govt. College for Men (Autonomous), Kadapa-516004, A.P, India.
- Sudhakar H, Pavana Kumari G and Naveen M, Manufacturing of Roofing Tiles from Municipal Solid Waste, **A two day UGC-APSCHE sponsored National seminar on Role of Chemistry in Human Health & Environmental Protection**, (30-31 Jan 2017), Govt. College (Autonomous), Anantapur, A.P.
- Sudhakar H, Pavana Kumari G and Naveen M, Characterization of Sodium Alginate TE and Poly (vinyl alcohol) Blend membranes in Pervaporation Separation, **National Conference on Recent Advances in Polymer Technology and Industrial Applications**, (17-18 February 2017), Gurunanak Institutions Technical Campus (Autonomous), Ibrahimpatnam, Telangana.
- Sahida Sharma and B Andallu, Heavy metals in the soil, water, vegetables and fruits in the fields near cement and slab industries of Tadipatri in Anantapur District of Andhra Pradesh, India, **Role of Chemistry in Human Health and Environmental Protection**, (30-31 Jan 2017), Department of Chemistry, Government college (Autonomous), Anantapur.
- Sai Praneeth Thota, Pradeep Kumar Badiya, Sai Sathish R, Praveen V Vadlani, Meera Pandey and B Siva Kumar, Innovative bioprocessing of biomass to biofuels: symbiotic co-culture of two high performing micro fungi and macro fungi for efficient conversion, **BPI- 2016 CIAB**, (15-17 Dec 2016) Mohali, India.
- Sai Praneeth Thota, Sai Manoj Kaja, Kurdekar Aditya, Sai Muthu Kumar V, Praveen V Vadlani and Belliraj Siva Kumar, Facile one-pot hydrothermal synthesis of carbon dots from medicinal, parasitic and edible plant biomass, **International Conference on Nanoscience and Nanotechnology**, (19-21 Oct 2016) VIT, Vellore.

- Sai Praneeth Thota, Sai Manoj Kaja, Sai Muthu Kumar V, Praveen V Vadlani and Belliraj Siva Kumar, Groundnut shell derived Carbon Nanostructures for Supercapacitor Application, **International Conference on Nanoscience and Nanotechnology**, (19-21 Oct 2016) VIT, Vellore.
- Venkatesh S and Sai Sathish R, Ultra-fast room-temperature qubit emission engineering using semiconducting spacer materials towards efficient dye sensitized solar cells, **CEMAT 2016**, (18-20 Jul 2016) Indian Institute of Science, Bangalore.
- Tejkiran P J, Venkatesh S and Sai Sathish R, 2D Graphene thin films doped with carbon quantum dots for several hundred-fold amplification of electron oscillation rate, **CEMAT 2016**, (18-20 Jul 2016) Indian Institute of Science, Bangalore.
- Pradeep Kumar Badiya, Srinivasan V, Naik S P, Rai B, Reddy N, Prathap Chandran S, Sai Muthukumar V, Muralikrishna Molli, Sai Sathis R, Low-Cost Plasmonic Carbon Spacer for Surface Plasmon-Coupled Emission Enhancements and Ethanol Detection: A Smartphone Approach, **Inspire Faculty Monitoring-cum-Interaction Meet**, (16-17 Jan 2017), KIIT University, Bhubaneshwar, Odisha.
- A Sunil and Sasidhar Siddabattuni, Lignosulphonate functionalised nano materials for environmental sensing applications, **Second International Conference on Materials Science and Technology (ICMST 2016)** (5-8 Jun 2016) St. Thomas College, Pala, Kottayam, Kerala., <http://www.icmst2016.com/index.php>.
- Sasidhar Siddabattuni, Sri Harsha Akella, Abilash Gangula, B Sivakumar and L A Avinash Chunduri, Enhanced Dielectric Properties of Surface Engineered NanoTiO₂/Epoxy Composites, **Second International Conference on Materials Science and Technology (ICMST 2016)** (5-8 Jun 2016) St. Thomas College Palai, Kerala.
- Swayamsiddha Kar, Sai Manohar C, Naveen S, Siva Kumar B, and Nageswara Rao G, Effect of Ring size on the stability of the Spirobibenzopyrans. **ICCON -17**, (10-12 Feb 2017), SSSIHL, Prasanthi Nilayam.

Biosciences

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Sai Murali R S, Basavaraju R and Nageswara Rao G, Liquid Chromatography Coupled to Mass Spectrometry Based Identification of Elite Chemotypes of *Adhatoda vasica* Nees for Profitable Agronomy – A Farmer Centric Approach, **Indian Journal of Science and Technology**, 9(26), 1-9, (2016).
- Mukul Anand and Basavaraju R, Phytochemical analysis of *Tecoma stans* (L.) Juss ex Kunth leaves from Puttaparthi, Andhra Pradesh, India, **International Journal of Current Research**, 8(07), 34632-34635 (2016).
- Girish T N, Pradeep B E and Ravi Prakash, *Drosophila* as a powerful modern tool for teaching concepts in biology and biomedical research, **International Journal of Zoological Investigations**, 3(1), 21-28 (2017).
- L A Avinash Chunduri, Aditya Kurdekar, Mohan Kumar Haleyurgirisetty, Pradeep B E, Venkataramaniah K, and Indira Hewlett, Femtogram Level Sensitivity achieved by Surface Engineered Silica Nanoparticles in the Early Detection of HIV Infection, **Scientific Reports (2017)**.
- Prashant Shukla, Vinayak S. Khodade, M Sharath Chandra, Preeti Chauhan, Saurabh Mishra, Shivakumara Siddaramappa, Pradeep B E, Amit Singh and Harinath Chakrapani, 'On Demand' Redox Buffering by H₂S Contributes to Antibiotic Resistance Revealed by a Bacteria-Specific H₂S Donor, **Chemical science**, 8(7), 4967-4972 (2017).
- L A Avinash Chunduri, Mohan Kumar Haleyurgirisetty, Pradeep B E, Aditya Kurdekar, Jikun Liu, Indira K Hewlett and Venkataramaniah K, Development of Carbon Dot based Microplate and Microchip Immunoassay for Rapid and Sensitive Detection of HIV-1 p24 antigen, **Microfluidics and Nanofluidics**, 20(12), 1-10 (2016).
- Vishwanathan A S, Kartik S Ayier, L A Avinash Chunduri, Venkataramaniah K, Siva Sankara Sai S, and Rao G, Carbon quantum dots shuttle electrons to the anode of a microbial fuel cell, **3 Biotech** (2016) 6(2), 228.
- Sai Murali R S, Sai Siddhardha R S, Rajesh Babu D, Venketesh S, Basavaraju R and Nageswara Rao G, Interaction of vasicine with calf thymus DNA: Molecular docking, spectroscopic and differential scanning calorimetric insights, **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**, 180, 217-233 (2017).
- Sai Praneeth Thota, Sai Manohar Thota, Sai Muthukumar V, Venketesh S, Praveen V Vadlani and B Siva Kumar, Facile one-pot hydrothermal synthesis of stable and biocompatible fluorescent carbon dots from lemon grass her,

IET nanobiotechnology (2017).

- Vishwanathan A S, Kartik S Aiyer, L A Avinash Chunduri, Venkataramanah K, Siva Sankara Sai S and Govind Rao, Carbon quantum dots shuttle electrons to the anode of a microbial fuel cell, **3 *Biotech***, 6(228), 6 (2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Skanda S, Jayant K K, Vijayakumar B S, Skanda S, Jayant K K and Vijayakumar B S, Studies on biodiversity of microfungi from soils of Puttaparthi, Andhra Pradesh, **9th NABS National Conference on New Biological Approaches and Challenges for Sustainable Development**, (11-12 Aug 2016) Madurai Kamaraj University, Madurai, Tamil Nadu, India.
- Kartik S Aiyer, Khatri M, Sai Giridhar B and Vishwanathan A S, More water for irrigation in semi-arid regions – An innovative approach for sustainable livelihood, **Leadership for Sustainable Socio-Ecological systems**, (23-25 Jul 2016) Vignan's Foundation for Science, Technology and Research University, Vadlamudi.

BOOKS

- Mukul Anand, **The Wonders of Medicinal Plants**, Lambert Academic Publication (Germany). ISBN: 978-3-659-90345-8 (2016).

Food & Nutritional Sciences

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Andallu B, Phytoceuticals: A new era in ethanopharmacology, **Clinical and Experimental Pharmacology**, 6(2) (2016).
- Srividya N and Ghoora M D, Postharvest quality and shelf life of fresh-cut fenugreek (*Trigonella foenum-graecum* L.) leaves: Impact of packaging and Aloe vera gel coating, **International Journal of Nutrition and Agriculture Research**, 3(1), 1-8 (2016).
- Sudha Rani K and Srividya N, Effect of inulin, fructooligosaccharides and *L. acidophilus* in formulating a synbiotic yogurt, **Asian Journal of Dairy and Food Research**, 35(1), 37-40 (2016).
- M Meera and V Sreedevi, Nutritional status of adolescents from Anantapur from South India, **International Journal of Nutrition and Agriculture Research**, 3(1), 16-22 (2016).
- M Meera, R K Anuradha and V Sreedevi, Nutritional status assessment and evaluation of educational effectiveness of nutritional games approach in adolescents, **International Journal of Medicine and Health Profession Research**, 3(2), 92-98 (2016).
- M Meera, R K Anuradha and V Sreedevi, Efficacy of nutritional games to improve learning of nutritional knowledge in adolescents, **International Journal of Nutrition and Agriculture Research**, 3(2), 100-105 (2016).
- M Meera, R K Anuradha and V Sreedevi, to Study the Efficacy of Modified Hearth Approach For Adolescents, **International Journal of Medicine and Health Profession Research.**, 4(1), 35-39 (2017).
- Srividya N and Ghoora M D, Postharvest quality and shelf life of fresh-cut fenugreek (*Trigonella foenum-graecum* L.) leaves: Impact of packaging and Aloe vera gel coating, **International Journal of Nutrition and Agricultural Research**, 3(1), 1-8 (2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- P Jahnavi, A Padmaja and N B L Prasad, Formulation and Development of Jamun seed powder fortified bread and bun, **2nd Andhra Pradesh Science Congress (APSC-2016)** P B Siddhartha College of Arts & Sciences Vijayawada.
- N Sateesh, A Padmaja and N B L Prasad, Studies on the production of virgin coconut oil (VCO) from coconut/ball copra, **3rd International Symposium on Coconut Research and Development**, (10-12 Dec 2016) ICAR CPCRI, Kasargode, Kerala.
- Poornima P and Andallu B, A comparative study on the physico-chemical and nutraceutical properties of

extracted and commercial aniseed (*Pimpinella anisum* L.) oils, **48th Annual National Conference of the Nutrition Society of India on Nutrition Risk Management and Communication**, (4-5 Nov 2016) St. John's Research Institute, St. John's National of health Science, Bengaluru.

- Shahida S and Andallu B, Heavy metals in soil, water vegetables and fruits in the fields near cement and slab industries of Tadipatri in Anantapur district of Andhra Pradesh, India, **A two day UGC & APSCHE sponsored National Seminar on Role of Chemistry in Human Health & Environmental Protection**, (30-31 Jan 2017), Dept. of Chemistry, Govt. college (Men) (Autonomous), Anantapur.
- Ghoola M D and Srividya N, ICP OES based elemental profile and culinary acceptability of tropical microgreens – A novel food produce, **National Seminar on Role of Chemistry in Human Health and Environmental Protection**, (30-31 Jan 2017), Government College, Anantapur.
- Srividya N and Ghoola M D, Dietary micronutrient quality of microgreens and macrogreens: Secondary data analysis of nutrient database and implications for reducing risk of micronutrient malnutrition, **48th Annual National Conference of the Nutrition Society of India on Nutrition Risk Management and Communication**, (4-5 Nov 2016) St. John's Research Institute, Bangalore.
- Ghoola M D and Srividya N, Relative nutrient contribution, dietary mineral quality and nutraceutical potential of fenugreek microgreens and macrogreens, **48th Annual National Conference of the Nutrition Society of India on Nutrition Risk Management and Communication**, (4-5 Nov, 2016) St. John's Research Institute, Bangalore.
- Srijaya M, Hanthti Priya B and Sunanda P, Impact of Gamma Irradiation and Osmotic Dehydration on Quality characteristics of Guava (*Psidium Guajava*) Products, **International Conference on Nutraceuticals and Functional Foods – The Challenges and Opportunities**, (6-8 Dec 2016) Anand Agricultural University, Anand, Gujarat, India.
- Keshav Sree Tanuja Y and Srijaya M, Quality characteristics and storage stability of formulated functional Dairy Desert, **International Conference on Nutraceuticals and Functional Foods – The Challenges and Opportunities**, (6-8 Dec 2016) Anand Agricultural University, Anand, Gujarat, India.
- Sumana A and Aruna M, Functional quality, sensorial and shelf life characteristics of Agathi (*Sesbania grandiflora* (L.)Poir) leaves enriched breads, **The 21st International Conference on Functional Foods and Bioactive compounds in Health and Disease: Science and Practice**, (25-26 Mar 2017), San Diego, CA ,USA.
- Anita T and Meera M, Development and evaluation of value added cookies utilizing banana flour and flax seed flour, **48th Annual National Conference on Nutrition Risk Management and Communication**, (4-5 Nov 2016) St John's Research Institute, St John's National Academy of Health Sciences, Opposite BDAComplex, Koramangala, Bangalore.
- Yamini I and Meera M, Shelf – life studies of vegetable based soup mixes, **48th Annual National Conference of the Nutrition Society of India on Nutrition Risk Management and Communication**, (4-5 Nov 2016) St John's Research Institute, St John's National Academy of Health Sciences, Koramangala, Bangalore.
- Meera M, Yoga for healthy, body and mind, **National Seminar on effective Strategies for Implementation of two year B.Ed. Curriculum**, (9-10 Sep 2016) SSSIHL, Anantapur.

BOOKS

- Shobha IR and Andallu B, **Multifunctional properties of phytochemicals in aniseeds (*Pimpinella anisum* L.)**, Lambert Academic Publishing GmbH & Co., Germany (2016).

Management & Commerce

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Pallavi C N and Swetha Thiruchauru, Green entrepreneurship: contemporary issues on technology & Innovations, **The international Journal of Business & Management**, 6(10), (2016).
- Swetha Thiruchanuru, Strengthen the Small to Strengthen the Nation: Insights on HR Issues in SMEs, **The IUP Journal of Entrepreneurship Development**, ISSN:0973-2659 (2016).

- Vidyasagar Mani and B Sai Giridhar, Impact of foreign presence on capital structure of four-wheeler companies in India, **Journal of business management and economic research**, 7(2), 579-587 (2016).
- Chette srinivas Yadav, A Sudhakar Rao, Mohit Kumar and B Sai Giridhar, Impact of Hindu calendar and Hindu festivals on Indian stock market returns, **National Journal of Uttaranchal institute of Management**, 6(1), 45-54 (2016).
- Sudha J and Jayaprada N, Does Brand Impact Various Attributes of Smartphone?, **Imperial Journal of Interdisciplinary Research (IJIR)**, 3(1), 2191-2195 (2017). (ISSN: 2454-1362, <http://www.onlinejournal.in>)
- Kiran and N Jayaprada, Man Management- A Book Review, **Imperial Journal of Interdisciplinary Research (IJIR)** ISSN: 2454-1362, <http://www.onlinejournal.in>, 3(4), 2017, 2253-2256 (2017).
- Ch V N S Renuka and Ch Radhakumari, Best out of waste: A prototype software solution using MATLAB –GUI, **International Journal of Management and Applied Science (IJMAS)**, 2(12) (2016). ISSN: 2394- 7926, www.ijmas.iraj.in
- Ch V N S Renuka and Ch Radhakumari, A Cost-Effective Prototype Software Solution with Sample Administration for Fund Utilization in Waste Management Administration, **International Journal of Advanced Research, Ideas and Innovations in Research**, ISSN 2454-132X (2016).
- Sarangi and Ch Radhakumari, Role of mHealth apps in accelerating the Health Care Service in Indian Scenario- A study of Citizen Perspective, **International Journal of Current Research and Academic Review**, 4(12), 27-43 (2016).
- Smrity Baiju and Ch Radhakumari, Digitization of Payments – A Step towards Digital India Movement, **International Journal on Current Research and Academic Review**, 4(12), 8-26 (2016).
- Smrity Baiju and Ch Radhakumari, Fintech Revolution - A step towards Digitization of Payments- A Theoretical Framework, **International Journal of Advance Research and Development**, 1(2) (2016).
- Smrity Baiju and Ch Radhakumari, Fintech Revolution-A step towards Digitization of Payments- Review of Existing Literature, **International Journal of Advance Research and Development**, 1(2) (2016).
- Ch V N S Renuka and Ch Radhakumari, Theoretical Framework for A Cost- Effective Prototype Software Solution with Sample Administration for Finance Accountability using MATLAB-GUI for Waste Management, **International Journal of Advance Research and Development**, 1(2) (2016).
- Ch V N S Renuka and Ch Radhakumari, Wealth out of waste, Best out of Waste, Cash out of Trash, **International Journal of Advance Research and Development**, 1(2) (2016).
- Sarangi and Ch Radhakumari, Review of studies on mHealth apps, **Intentional Journal of Advance Research and Development**, 1(2) (2016).
- Sarangi and Ch Radhakumari, Theoretical Framework pertaining to mHealth apps, **International Journal of Advance Research and Development**, 1(2) (2016).
- Supriya Ramachandran and T R Rajeswari, Integrated Career Pathways a Solution to Aid Second Career Women Professionals in India to On- Ramp Successfully, **Journal of Exclusive Management Science** ISSN 2277-5684, 5 (12), 1-6 (2016).
- Naveen R S and N Sivakumar, Impact of Macro-Economic factors on Sectoral Indices – Evidence from Indian Markets, **Journal of Applied Management and Investments**, 5(3), 174-182 (2016).
- Vishwas B and N Sivakumar, Mutual Fund Portfolio hedging using Index Futures: An Empirical Analysis, **Journal of Applied Management and Investments**, 5(3), 203-210 (2016).
- Balachander D and N Sivakumar, Financial Evaluation of Firms using Economic Value added as a performance measure – A Comparative Study, **Srusti Management Review**, 9(1), 11-16 (2016).
- Gokul S Venkataraman and N Sivakumar, An Empirical Study of the Impact of Growth Rate of Banks on Bank Profitability and Productivity, **Management Today - An International Journal of Management Studies**, 6(4), 162-166 (2016).
- Pranav U and N Sivakumar, Technology as an enabler in Transforming Rural Education – The case of Sri Sathya Sai Vidya Vahini, Samyoga, **An Academic Journal**, TJGAJ, 12(2), 473-482 (2017).

- Perugupalli S, N Sivakumar and Uppalury Suma, Social Conscience and Self-Interest: A Study of Volunteer Motives in Non-Profits, **Imperial Journal of Interdisciplinary Research**, 2(11), 162-168 (2016).
- Vedula S, and Uppalury Suma, Distributor Motivations in Joining Network Marketing Company, AMWAY, **Imperial Journal of Interdisciplinary Research**, 2(11), 2042-2049 (2016).
- Uppalury Suma and Bhavyasree Nair, A Study of Factors Affecting Planning, **Journal of Public Administration**, Photon, 103, 113-121 (2017).
- Annapurna R and Vyshnavidevi B, An Ideational Model of organizational culture with values of the leader as the foundation, **International Journal of Management, IT & Engineering**, ISSN No: 2249-0558, 7(7) (2017).
- Annapurna R and Vyshnavidevi B, The Invisible: Yet the deep-rooted part of the organisation, **International Journal of Research in Social Sciences** ISSN No: 2249-2496, 6(11) (2016).
- Giyyar Vindhya Sahiti and Akanksha Aggarwal, MSME financing: A case study in State Bank of Hyderabad, **Imperial Journal of Interdisciplinary Research**, 2(12), 361-369 (2016).
- Pelluri Vineetha II MBA and G Padmavathy, Performance Management system- A strategic tool for enhancing employee performance, **International Journal of Research in Social Sciences**, (ISSN: 2249-2496) ISSN: 2249-2496 Impact Factor: 6.278, 6(11) (2016).
- Sai Priya and G Padmavathy, A Study on Employee Performance with special reference to Emu workshop at Chennai (Tambaram), **Imperial Journal of Interdisciplinary research**. ISSN 2454-1362, 3(3) (2016).
- Lalitha Kavya and G Padmavathy, Employee engagement - A Review on Engagement Models, **Imperial Journal of Interdisciplinary Research**. ISSN 2454-1362, 3(2) (2016).
- Aman Jhaveri and A Anantharaman, Royal India food retail: struggling to stay fresh, **Emerald: Emerging Markets Case Studies**, 6(3), 1-30 (2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Monil Khatri and B Sai Giridhar, More Water for Irrigation, **International Conference on Innovations in Sustainable Water & Wastewater Treatment Systems**, (21-23 April 2016), Pune, India.
- K J Srinivas and B Sai Giridhar, Implementable Strategies for Sustainable Development of Rural India, **SUSCON-VI**, (2-3 Mar 2017), IIM Shillong.
- Janani N, Jayaprada N, Evaluation of Health Information System (HIS) Based on HOT fit framework: A qualitative study on Human, Organization and Technology (HOT) factors and their fit influencing the design and implementation of HIS in an Indian Super Specialty Hospital, **2nd IIMA International Conference on Advances in Healthcare Management Services**, (10-11 Dec 2016) Centre for Management of Health Services, Indian Institute of Management, Ahmedabad.
- Jayaprada N, Make in India, Initiative to Industrial Growth – Boon or Bane, **UGC sponsored A two day national Seminar on Make In India Initiative: A SWOT Analysis**, (22-23 Dec 2016), Dept. of Economics, Govt. College Anantapur (Autonomous), Anantapur.
- Jayaprada N, Dying Souls – Impact of Globalisation on Women and Girl Child Trafficking, **International Seminar on Human Trafficking in Asian Countries - Dynamics and Dimensions**, (10-12 Aug 2016) Dept. of Political Science, Govt. College Anantapur (Autonomous), Anantapur.
- Ch V N Sai Renuka and Ch Radhakumari, Best out of waste: A prototype software solution for fund management using MATLAB-GUI, presented in **International Conference on Recent Trends in Computer Technology and Management** in Hyderabad on 23 Oct 2016, Published, International Journal of Management and Applied Science, 1(2), ISSN: 2394- 7926, www.ijmas.iraj.in
- B Lokeshwari and T R Rajeswari, Empowered Women – A Mast for Sustainable Development, **2nd International Conference on Inclusive Economic Growth and Sustainable Development**, (18-19 Nov 2016) SDMIMD, Mysore, Conference Proceedings ISBN: 978-93-83302-18-5.

- Priti Saigal and T R Rajeswari, Green Banking: A Drive Towards Sustainability, **2nd International Conference on Inclusive Economic Growth and Sustainable Development**, (18-19 Nov 2016) SDMIMD, Mysore, Conference Proceedings ISBN: 978-93-83302-18-5.
- K Sai Sruthi and T R Rajeswari, How Green are Green Funds? **2nd International Conference on Inclusive Economic Growth and Sustainable Development**, (18-19 Nov 2016) SDMIMD, Mysore, Conference Proceedings ISBN: 978-93-83302-18-5.
- B Lokeshwari, T R Rajeswari, Paradigm Shift from Homes to Firms: A Study on First Generation Women Entrepreneurs, **Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science**, (28-30 Nov 2016) Bishop Heber College, Tiruchirapalli, Conference Proceedings ISBN: 978-93-80767-60-4
- K Sai Sruthi and T R Rajeswari, The String That Pulls: Wealth or Welfare? **Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science**, (28-30 Nov 2016) Bishop Heber College, Tiruchirapalli, Conference Proceedings ISBN: 978-93-80767-60-4.
- Priti Saigal and T R Rajeswari, Key Green Indices: A Dynamic Tool to Assess Environmental Responsibility, **Heber International Conference on Applications of Actuarial Science, Mathematics, Management and Computer Science**, (28-30 Nov 2016) Bishop Heber College, Tiruchirapalli, Conference Proceedings ISBN: 978-93-80767-60-4.
- Pranav U and N Sivakumar, Technology as an enabler in Transforming Rural Education – The Case of Sri Sathya Sai Vidya Vahini. **National Conference on Transforming India through and innovation and entrepreneurship**, (6 Dec 2016) Bangalore.
- Pranav U and N Sivakumar, CSR through Volunteering: A Case Study of Sri Sathya Sai Vidya Vahini, **12th Biennial Conference on Entrepreneurship**, (24-26 Feb 2017), Ahmedabad, Proceedings published by the organiser EDII.
- M Lalithya Sai, Uppalury Suma and Kirti Kiran, Mass customization of Healthcare: Mapping trends in Digitization of Healthcare, **A Road Map to Globalization in the Present Digital Era**, (11 Mar 2017), Pioneer Institute of Professional Studies, Indore.
- U Pranav, N Sivakumar, CSR through Volunteering: A Case Study of Sri Sathya Sai Vidya Vahini, **Twelfth Biennial Conference on Entrepreneurship**, (22-24 Feb 2017), Entrepreneurship Development Institute of India, Ahmedabad, Published in conference proceedings.

Economics

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Choudhury Dinesh Kumar, Paramanik Rajendra N, Construction of Composite Index of Leading Indicators for FDI Cycle for BRICS Economies, **International Journal of Advanced Research**, 12(4), 1284-1294 (2016).
- Kumar Shailendra, Choudhury Dinesh Kumar, The Determinants of Investor Valuation of R&D Expenditure: A Study of IT Industries in India, **International Journal of Business Quantitative Economics and Applied Management Research**, 3(8), 54-63 (2017).
- Kumar Barun, Choudhury Dinesh Kumar, Revenue- Expenditure Nexus of Selected Northern States of India- A Time Series Analysis, **Asian Journal of Research in Business Economics and Management**, 7(3), 16-30 (2017).
- B C Sutradhar Vandna Jowaheer and Prabhakar Rao R, Semi Parametric Models for Negative Binomial Panel Data, **Sankhya - The Indian Journal of Statistics**, 78(2), 269-303 (2016).
- M Mallikarjuna and Prabhakar Rao R, Volatility Behaviour in Selected Sectoral Indices of Indian Stock Markets, **Asian Journal of Research in Banking and Finance**, 7(2), 23-34 (2017)
- Siva Kiran Guptha K and Prabhakar Rao R, An Empirical Analysis of Growth and Threshold Inflation in India, **Indian Journal of Economics and Development**, 13(1), 23-28 (2017).
- Sivakiran Guptha K, Mallikarjuna M, and Prabhakar Rao R, Human Capital, Technology and Economic Growth in India: An ARDL Approach, **International Journal of Business Quantitative Economics and Applied Management Research**, 3(9), 28-40 (2017).

- R Raghavan, Prabhakar Rao R, and Sivakiran Guptha K, Evaluation of Value at Risk in Emerging Markets, ***International Journal of Financial Management***, 7(1), 10-19 (2017).
- Anvesh Dhagat and Raghavender Raju G, Measurement of Foreign Exchange Exposure for Selected Indian Firms, ***Amity Journal of Finance***, 1(1), 92-106 (2016).
- Dharmendra Kalita and Raghavender Raju G, An Analysis of Foreign Direct Investment into Indian Telecommunication Sector, ***South Asian Journal of Management Research*** (2017).
- Sivakiran Guptha K, Sai Pranav, The Determination of Exchange Rate in India: An Empirical Investigation, ***South Asian Journal of Management Research***, 8(2), 649-654 (2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Choudhury Dinesh Kumar, Paramanik Rajendra N, Construction of Composite Index of Leading Indicators for FDI Cycle for BRICS Economies, ***53rd Annual Conference of The Indian Econometric Society (TIES)*** (22-24 Dec 2016) NISER, Bhubaneswar.
- M R Geetha Bala, Digital India - A Programme to transform India into a Digitally Empowered Society and Knowledge Economy, ***Make in India Initiative: A SWOT Analysis, Department of Economics***, (22-23 Dec 2016) Government College (Autonomous), Anantapur.

Education

PUBLICATIONS IN PEER REVIEWED JOURNALS

- B Sai Soujanya Kumari, Sarvepalli Radhakrishnan as teacher and Philosopher, ***Journal for Advanced Research in Humanities***, 3(1) (2017).
- Supriya C P and Madhu Kapani, 'Ceiling on Desire' for promoting Peace, ***Journal of Higher Education and Research Society: A Refereed International*** ISSN-2349-0209, 4(2), 574-583 (2016).
- Supriya C P and Madhu Kapani, Dr. Sarvepalli Radhakrishnan's views on Peace, ***Journal for Advanced Research in Humanities***, e-ISSN: 2395-0870, 3(1), 270-273 (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Neetu Gupta, Technology and Peace, ***International Conference on Literature, Culture & World Peace*** (23-24 Sep 2016), Dnyansagar Institute of Management & Research, Pune, India.
- Neetu Gupta, Brainstorming, ***Effective Strategies for Implementation of Two Year B.Ed. Curriculum***, (9-10 Sep 2016) SSSIHL, Anantapur, Andhra Pradesh.
- B Sai Soujanya Kumari, Domestic Peace-Establishing peace as an integral part of home and school, ***International Conference on Literature, Culture & World Peace***, (23-24 Sep 2016) Danyansagar Institute of Management & Research, Pune.
- B Sai Soujanya Kumari, Effective student teacher relationships for Higher Education, (23-24 Jan 2017), ***Impact of Human Values and Professional Ethics on Quality of Higher Education***, Govt. Degree College, Uravakonda, Andhra Pradesh
- B Sai Soujanya Kumari, Sarvepalli Radhakrishnan as teacher and Philosopher, ***National Seminar on Sarvepalli Radhakrishnan-A Great Philosopher***, (27-28 Jan 2017), Govt. Degree College, Anantapur.
- B Sai Soujanya Kumari, Novel Teaching Strategies, ***Effective Strategies for Implementation of Two Year B.Ed. Curriculum***, (9-10 Sep 2016) SSSIHL, Anantapur, Andhra Pradesh.
- P Padmambika, Spirituality, holistic health and peace, ***International Conference on Literature, Culture and World Peace***, (23-24 Sep 2016) Pune.

- P Padmambika, Integration of Values into Curriculum, (23-24 Jan 2017), **Impact of Human Values and Professional Ethics on Quality of Higher Education**, Govt. Degree College, Uravakonda, Andhra Pradesh.
- P Padmambika, Radhakrishnan Commission, **National Seminar on Sarvepalli Radhakrishnan-A Great Philosopher**, (27-28 Jan 2017), Govt. Degree College, Anantapur.
- P Padmambika, Developing sound mind in a sound body through healthy eating, **Effective Strategies for Implementation of Two Year B.Ed. Curriculum**, (9-10 Sep 2016) SSSIHL, Anantapur, Andhra Pradesh.
- Supriya C P and Madhu Kapani, 'Ceiling on Desire' for promoting Peace, **International Conference on Literature, Culture & World Peace**, (23-24 Sep 2016) Danyansagar Institute of Management & Research, Pune.
- Supriya C P and Madhu Kapani, Dr. Sarvepalli Radhakrishnan's views on Peace, **National Seminar on Sarvepalli Radhakrishnan-A Great Philosopher**, (27-28 Jan 2017), Govt. Degree College, Anantapur.
- Supriya C P, Role play- An effective teaching model for inculcating values, **Effective Strategies for Implementation of Two Year B.Ed. Curriculum**, (9-10 Sep 2016) SSSIHL, Anantapur, Andhra Pradesh.
- Supriya C P and Madhu Kapani, Pedagogical Approaches to Value Inculcation, **Impact of Human Values and Professional Ethics on Quality of Higher Education**, Govt. Degree College, Uravakonda, Andhra Pradesh.

English Language & Literature

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Rajeshwari C Patel and Lalitha Sarma R, Ambiguity and Ambivalence as Structural Principles, **Journal of Dharma (Special edition on Gender and Literature)**, 41, 49-64 (2016).
- Goyal Divya and Patel C Rajeshwari, An Attempt to Synthesise Thought, Word and Deed: A Study of Select Characters from Henrik Ibsen's Plays, **Research Journal of English Language and Literature**, 4(4), 819-825 (2016).
- Goyal Divya, Ibsenian Characters as Products, Participants and Progressive Agents in Society, **The Global Journal of English Studies**, II(3) (2016).
- Venkataramana B, A Revelation of Complex Vision of Human Life in Saul Bellow's 'Herzog'. IMPACT: International Journal of Research in Humanities, Arts and Literature (IMPACT: IJRHAL) ISSN(P): 2347-4564; ISSN(E): 2321-8878 Special Edition, Dec 2016, 1-6 © **Impact Journal**, Special Edition, 1-6, (Dec 2016).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- P L Rani, Probing Neutrality in Indian Media Discourse, **Fourth International Conference on Language, Literature & Society 2017**, (Jan 2017), Nanyang Technological University, Singapore.
- Siddhartha R and P L Rani, Indian cricket in the context of colonialism, **Fourth International Conference on Language, Literature & Society 2017**, (Jan 2017), Nanyang Technological University, Singapore.
- Venkataramana B, Graying Characters of Mounting Spirit in Shakespeare's Plays, **Ripeness is all: Discoursing Shakespeare and the Politics of Cultural Gerontology**, (7-8 Nov 2016) Bankura University, Bankura, West Bengal.
- Srinivas S, Right-edge Matters: VN Coalescence in Tamil, **Dwani Vandhanam: A Symposium in Honour of Prof. K G Vijaykrishnan**, (10 Feb 2017), Hyderabad.
- Swathi Metla, Stereotyping Women in the Fantastic, **International Seminar on New Feminist Writings: Emancipation to Representation**, (16-17 March 2017), Pondicherry Central University, Pondicherry.

Sub-Departments

PUBLICATIONS IN PEER REVIEWED JOURNALS

HINDI

- Kiron Bala Arora, Sikke ka dusra pahu (A Telugu story titled 'Nananiki maro vaipu' by Dr. Bhimarao Translated to Hindi), **Sankalya**, 110-114 (Apr-Jun 2016). ISSN: 2277-9264

TELUGU LANGUAGE & LITERATURE

- M Praphulla, Vedaprathipaadithaa Sammanasya Bhaavanaa, **Lalithaa Kavi Bharathi**, 8(1), 10-16 (2016)
- M Praphulla, Sree Vishnuchittheeya Mahakaavye Jeevanamoolyaani, **Vedanjali**, 9(1), 117-120, (Jan-Jun 2017)
- M Praphulla, Basavapuramamu – Saivamathodyamamu, **Telugu Tejam**, 9(5-6), 46-47, (Apr-May 2017)
- M Praphulla, Sukumaracharithamu – Sukanasopadesamu, **International Journal of Indian Languages and Literature**, 2(4), 37-46, (Mar 2017)

CONFERENCE PRESENTATIONS / PROCEEDINGS

HINDI

- Kiron Bala Arora, Maharaj Dashrath evam Manviya Moolya – Dharam, **Human Values in Vaishnav devotional Literature**, (6-7 Feb 2017), Tirupathi.
- Kiron Bala Arora, 'Sri Satya Sai Babakrut Ramakatharas Vahini mein Ramtatva', **Andhra ke Sahitya, Kala evam Sanskruti mein Ramtatva**, (4-5 Feb 2017), Tirupathi.

TELUGU LANGUAGE & LITERATURE

- Praphulla M, Koutileeye Arthasasthre Krishi Karma, **Agriculture in Sanskrit Literature**, (19 Jul 2016) Department of Studies in Sanskrit, University of Mysore.
- Praphulla M, Role of Sandhi in Protection of Vedas. **Vedangas - Vedic studies - New Possibilities**, (12-13 Nov 2016) Kadavallur Anyonyaparishad, Kadavallur.
- Praphulla M, Aamukthamalyada - Jeevana Vilivalu. **Vaishnava Bhakthi Sahithyam - Jeevana Vilivalu**, (6-7 Feb 2017), Sri Venkateswara Oriental Degree and PG College; Tirupathi.

SANSKRIT

- N Venkatesha Rao, Itihaasa tathaa Vaidika siddhantasya Aanandatirthakruta yogadanam, **Vidwat sabhapravachanam**, (19-21 Sep 2016) Rajaanganam, Udupi.
- N Venkatesha Rao, Vaidikameemasayam Madhvamuneh yogadanam, **All India Madhva Philosophical Conference**, (4-6 Feb 2017), Rajanganam, Udupi.

BOOKS

SANSKRIT

- N Venkatesha Rao, **Yuktimalika pradeepah**, Haya Greeva Prakashana (Bangalore) (2016).
- N Venkatesha Rao, **Bhagavata pradeepah**, Hayagreeva prakashana (Bangalore) (2016).

ARTICLES

SANSKRIT

- N Venkatesha Rao, **Samsaram chadhigaccati**, Sarva Moola, 13(6), 14-15 (2016).
- N Venkatesha Rao, **Cintana kavacha**, Mukhya Prana, 15(6), 8-10 (2016).
- N Venkatesha Rao, **Samanaskah sada shuchih**, Sarvamoola, 13(7), 14-15 (2016).
- N Venkatesha Rao, **Yastu vijnaanavan**, Sarvamoola, 13(8), 14-15 (2016).

- N Venkatesha Rao, ***Bhooyo na jayate***, Sarvamoola, 12(9), 15-16 (2016).
- N Venkatesha Rao, ***Vijnanasarathiryastu***, Sarvamoola, 12(10), 15-16 (2016).
- N Venkatesha Rao, ***Manah pragrahavaan narah***, Sarvamoola, 12(11), 15-16 (2016).
- N Venkatesha Rao, ***Sodhvanah paramaapnoti***, Sarvamoola, 12(12), 14-15 (2016).
- N Venkatesha Rao, ***Vishnoh padam***, Sarvamoola, 13(1), 15-16 (2016).
- N Venkatesha Rao, ***Sadashvaa iva saratheh***, Sarvamoola, 13(2), 22-23 (2016).
- N Venkatesha Rao, ***Shrotram chakshuh***, Sarvamoola, 13(6), 14-16 (2017).