



SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING

(Deemed to be University)

Research Publications 2017/18

Mathematics and Computer Science

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Srinath M S and V Chandrasekaran, Isogeny-based Quantum-resistant Undeniable Blind Signature Scheme, *International Journal of Network Security*, 20(1), 9-18, (2018).
- Saranya C R, K S P Sowndarya and Y Lakshmi Naidu, A linear-time Algorithm for paired Neighbourhood Set on Circular-Arc Graphs, *International Journal of Mathematics Trends and Technology*, 51(1), 12-15, (2017).
- P Murali Krishna and Pallav Kumar Baruah, High Performance Kafka Powered Scalable Real Time Rule engine Model for event stream processing, *International Journal of Scientific & Engineering Research*, 9(2), 1830-1836, (2018).
- J Bhanu Teja, Pallav Kumar Baruah, Satya Sai Mudigonda and Phani Krishna Kandala, Application of High Performance Computing for Calculating Reserves for a Company, *International Journal of Scientific & Engineering Research*, 9(2), 1821-1830, (2018).
- Ramesh Sharma, S Balasubramanian and N Uday Kiran, Some Remarks on Ricci Solitons, *Journal of Geometry*, 108(3), 1031-1037, (2017).
- Arka Ghosh, A Hybrid Method for selection of tile sizes, *Journal of Electronics, Electrical and Computational Systems*, 6(8), 458-466, (2017).
- A N Sai Prasanna R, Raghunatha Sarma and S Balasubramanian, A Study on Improving Branch Prediction Accuracy in the context of Conditional Branches, *International Journal of Engineering Technology Science and Research*, 4(8), 654-662, (2017).
- K B Chand and K R Tyada, Constrained Shape Preserving Rational Cubic Fractal Interpolation Functions, *Rocky Mountain Journal of Mathematics*, 48(1), 75-105, (2018).
- K B Chand and K R Tyada, Shape preserving constrained and monotonic rational quintic fractal interpolation functions, *International Journal of Advances in Engineering Sciences and Applied Mathematics*, (2018). DOI: doi.org/10.1007/s12572-018-0207-z

CONFERENCE PRESENTATIONS / PROCEEDINGS

- V Sai Raam, S Balasubramaniyan and Darshan Gera, Multiple Face-Component Analysis: A Unified Approach towards Facial Recognition Tasks, *2nd International Conference on Man and Machine Interfacing, IEEE MAMI 2017* (21-23 Dec 2017) Bhubaneswar, Odisha.
- Manuj Subhankar Sahoo, Pallav Kumar Baruah, HBasechainDB – A Scalable Blockchain Framework on Hadoop Ecosystem, *Asian Conference on Supercomputing Frontiers, SCFA 2018* (27 Mar 2018) Singapore.
- B Abhinay, K Anirudh, J Bhanu Teja and Pallav Kumar Baruah, A Fast GPU-based Global Sampling Method for Alpha Matting on High Resolution Images, *IEEE International Conference on High Performance Computing, Data, and Analytics, Student Research Symposium* (18 Dec 2017) Jaipur, India.
- Manuj Subhankar Sahoo, Digendra Rai, P Sai Laskhman, Pallav Kumar Baruah and Adarsh Saraf, HBasechainDB2.0 - A Scalable Blockchain Framework on Hadoop Ecosystem, *IEEE International Conference on High Performance Computing, Data, and Analytics, Student Research Symposium* (18 Dec 2017) Jaipur, India.

- Manoj Kumar, Digendra Rai, Abhishek Gupta, Pallav Kumar Baruah, Parallel Implementation of Screen Content Video Compression based on Block Classification Scheme, **IEEE International Conference on High Performance Computing, Data, and Analytics, Student Research Symposium** (18 Dec 2017) Jaipur, India.
- P Murali Krishna and Pallav Kumar Baruah, Scalable Real Time Rule Engine Model, **IEEE International Conference on High Performance Computing, Data, and Analytics, Student Research Symposium** (18 Dec 2017) Jaipur, India.
- K Sathyanarayanan, Kota Chetan Satyanarayan, R Sai Varun and Pallav Kumar Baruah, Parallel Implementation of Neighbourhood Repulsed Metric Learning, **IEEE International Conference on High Performance Computing, Data, and Analytics, Student Research Symposium** (18 Dec 2017) Jaipur, India.
- B V K Bharadwaj and Pallav Kumar Baruah, Oscillation Criteria for Higher order Coupled Systems, **International Conference on Applied Analysis, Mathematical Modeling and Computing Techniques (ICAAMMCT 2018)** (15-17 Mar 2018) Gandhigram Rural Institute, Gandhigram, Tamil Nadu.
- Anil Kumar Reddy, Sai Vikas, Raghunatha Sarma, Gurudat Shenoy and Ravi Kumar, Segmentation and Classification of CT Renal Images using Deep Networks, **ICSCSP-2018: Springer International Conference on Soft Computing and Signal Processing** (22-23 Jun 2018) Malla Reddy College of Engineering And Technology, Hyderabad.
- Sai Shyam Sharma, Sanik Thapa and Chaitanya Pavan Tanay, A Robust Colour Video Watermarking Technique using DWT, SVD and Frame Difference, **7th International Conference on Pattern Recognition and Machine Intelligence (PReMI'17)** (5-8 Dec 2017), Kolkata.
- K S P Sowndarya and Y Lakshmi Naidu, Perfect Domination for Bishops, Kings and Rooks on Square Chessboard, **International Conference on Recent Trends in Graph Theory and Combinatorics (ICRTGC-2018)** (26-29 Apr 2018) Cochin University, Kerala.

Physics

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Sai Pavan Prashanth Sadhu, Sasidhar Siddabattuni, Sai Muthukumar V and K B R Varma, Enhanced dielectric properties and energy storage density of surface engineered BCZT/PVDF-HFP nanodielectrics, **Journal of Material Science: Materials in Electronics**, 29(8), 6174-6182, (2018).
- Lakshmi Adinarayana Avinash Chunduri, Aditya Kurdekar, Sandeep Patnaik, Rajasekhar, Saikiran Aditha, Chinnakota Prathibha, and Venkataramaniah K, Single Step Synthesis of Carbon Quantum Dots from Coconut Shell: Evaluation for Antioxidant Efficacy and Hemotoxicity, **Journal of Materials Sciences and Applications**, 3(6), 83-93, (2017).
- S Sai Krishna, M Muralikrishna and R Gowrishankar, Understanding Thermoelectric behaviour of Materials using COMSOL, **Journal of Applied Physical Science International**, 9(3), 79-89, (2017).
- Sai Pavan Prashanth Sadhu, Sasidhar Siddabattuni, Bharathi Ponraj, Muralikrishna Molli, V Sai Muthukumar 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).
- Murali Ravi and Siva Sankara Sai Sanagapati, A Practical Design and Implementation of a Low-Cost Platform for Real-Time Diagnostic Imaging, **IEEE Access**, 5(8), 24952-24958, (2017).
- Hari Nandakumar, Adithya K S and Shailesh Srivastava, Sub-4-micron full-field optical coherence tomography on a budget, **Sadhana**, 43(6), (2018).
- Sposito Alex J, Aditya Kurdekar, Zhao Jiangqin and Hewlett Indira, Application of nanotechnology in biosensors for enhancing pathogen detection, **WIREs Nanomed Nanobiotechnol**, (2018).
- E Rajsekhar, K L Narasimham, Aditya Kurdekar, L A Avinash Chunduri, Sandeep Patnaik and K Venkataramaniah, Mass attenuation coefficient measurements of some nanocarbon allotropes: a new hope for better low cost less-cumbersome radiation shielding over a wide energy range, **Journal of Nuclear Physics, Material Sciences, Radiation and Applications**, 5(2), 255-261, (2017).
- Sandeep Patnaik, Aditya Kurdekar, Lakshmi Adinarayana Avinash Chunduri, Chinnakoti Prathibha and K Venkataramaniah, Naproxen-Gelucire Nanoformulations for Improved Solubility and Dissolution Rate of Poorly Water-Soluble Drug Naproxen, **Journal of Drug Design and Medicinal Chemistry**, 3(6), 77-85, (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Abhilash Achanta, Balla Ananda Rao, Sai Sundar Kandarpa, Siva Sankara Sai S, Krishna Chaitanya V and Krishna Kumar, Radio over Fiber link design for the Fronthaul of cellular communication systems, **11th IEEE International Conference on Advanced Networks and Telecommunications Systems** (17 Dec 2017) Bhubaneswar, Odisha.
- L A Avinash Chunduri, Sandeep Patnaik, Aditya Kurdekar, Saikiran Aditha, C Prathibha and K Venkataramaniah, Single step Hydrothermal Synthesis of Amine Functionalized Carbon Quantum Dots from Citric acid for early Diagnosis of HIV Infection, **Andhra Pradesh Science Congress** (7-9 Nov 2017) Visakhapatnam, Andhra Pradesh.
- Sandeep Patnaik, L A Avinash Chunduri, Aditya Kurdekar, Saikiran Aditha, C Prathibha and K Venkataramaniah, Novel Nanoformulations for overcoming the challenge of poor water solubility of some Nonsteroidal Anti-inflammatory Drugs, **Andhra Pradesh Science Congress** (7-9 Nov 2017) Visakhapatnam, Andhra Pradesh.
- Ruman Dutta, Sai Krishna S, Gowrishankar R, Subhanu G J and Siva Sankara Sai S, Fragmentation-Aware Routing, Wavelength and Spectrum Assignment (RWSA) Scheme in Flex-grid Optical Networks, **11th IEEE International Conference on Advanced Networks and Telecommunications Systems** (17 Dec 2017) Bhubaneswar, Odisha.
- B V Avinash, M Sai Siva Ramakrishna, Gowrishankar R and Siva Sankara Sai S, A Docker based test-bed for GMPLS simulation, **11th IEEE International Conference on Advanced Networks and Telecommunications Systems** (17 Dec 2017) Bhubaneswar, Odisha.
- Muralikrishna Molli, Bharadwaj Chowdary, Sai Muthukumar and R Gowrishankar, Nonlinear optical transmission of nanocrystalline FeSe₂ in the ultrafast excitation regime, **International Conference on Condensed Matter and Applied Physics (ICC 2017)** (24-25 Nov 2017) Govt. Engineering College, Bikaner, Rajasthan. AIP Conference Proceedings 1953, 030273 (2018). DOI: doi.org/10.1063/1.5032608
- Muralikrishna Molli, Bharadwaj Chowdary, Sai Muthukumar and R Gowrishankar, Nonlinear Optical transmission of Nanocrystalline Cu₂Se in the ultrafast excitation regime, **International Workshop on Advanced Materials (IWAM 2017)** (19-21 Dec 2017) National Institute of Science and Technology, Berhampur, Odisha.
- S Sairam, Ranjan Rai and Muralikrishna Molli, Studies on temperature coefficient of resistivity of Cu₂Se - V₂O₅ nanocomposite, **International Conference on Condensed Matter and Applied Physics (ICC 2017)** (24-25 Nov 2017) Govt. Engineering College, Bikaner, Rajasthan. AIP Conference Proceedings 1953, 030266 (2018). DOI: doi.org/10.1063/1.5032601
- Bharadwaj Chowdary, Kaushik Jayaraman and Muralikrishna Molli, Effect of sulfur doping on thermoelectric properties of Sodium Tantalate - A first-principles study, **International Conference on Condensed Matter and Applied Physics (ICC 2017)** (24-25 Nov 2017) Govt. Engineering College, Bikaner, Rajasthan. AIP Conference Proceedings: 1953, 110005 (2018). DOI: doi.org/10.1063/1.5033030
- Murali Ravi, Shashidhara TG, Angu Sewa, Sivaramakrishnan S and Siva Sankara Sai S, MBMIR: An efficient Image Reconstruction technique for rapid algorithmic implementation, **IEEE International Conference on High Performance Computing, Data, and Analytics** (18 Dec 2017) Jaipur, India.
- Pamarti Viswanath, Sadhu Sai Pavan Prashanth, Muralikrishna Molli, Jaschin Prem Wicram, and Sai Muthukumar V, Optical and vibrational spectroscopy of Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃ modified lithium borate glass ceramics, **62nd DAE Solid State Physics Symposium** (26-30 Dec 2017) Bhabha Atomic Research Centre, Mumbai. AIP Conference Proceedings: 1942, 070035 (2018). DOI: doi.org/10.1063/1.5028833
- Gowrishankar R and P C Sood, Two-particle structure in odd-odd nucleus, **62nd DAE-BRNS Symposium on Nuclear Physics** (20-24 Dec 2017) Thapar University, Patiala, Punjab. Conference Proceedings: 62 (2017), 134-135.
- P C Sood, and Gowrishankar R, Non-Coriolis Band Mixing in Deformed Nuclei, **62nd DAE-BRNS Symposium on Nuclear Physics** (20-24 Dec 2017) Thapar University, Patiala, Punjab. Conference Proceedings: 62 (2017), 214-215.

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Swayamsiddha Kar, Sai Manohar Chelli, Sai Giridhar Sarma, Kandanur, Srinivas Nanduri, Siva Kumar Belliraj, and Nageswara Rao Golakoti, *In silico* Modeling of New C-12 Substituted-14-Deoxy-Andrographolide Derivatives as Potent Anticancer Leads, ***Journal of Pharmacology & Clinical Toxicology***, 5(4), 1083-1089, (2017).
- Sai Giridhar Sairam, Chelli Janardhana, Srikanth Sola, Asha Barooah, Sai Kiran Javvaji, Jiten Jaipuria, Vijayalakshmi Venkateshan and Carani Balaraman Sanjeevi, The role of Lp-PLA2 and biochemistry parameters as potential biomarkers of coronary artery disease in Asian South Indians: a case-control study, ***Cardiovascular Therapy and Diagnosis***, 7(6), 589-597, (2017).
- Pradeep Kumar Badiya, Sai Gourang Patnaik, Venkatesh Srinivasan, Narendra Reddy, Chelli Sai Manohar, Raman Vedarajan, Noriyoshi Mastumi, Siva Kumar Belliraj and Sai Sathish Ramamurthy, Ag-protein plasmonic architectures for surface plasmon-coupled emission enhancements and Fabry-Perot mode-coupled directional fluorescence emission, ***Chemical Physics Letters***, 685, 139-145, (2017).
- Chelli Sai Manohar, A Manikandan, P Sridhar, A Sivakumar, B Siva Kumar and Sabbasani Rajasekhara Reddy, Drug repurposing of novel quinoline acetohydrazide derivatives as potent COX-2 inhibitors and anti-cancer agents, ***Journal of Molecular Structure***, 1154, 437-444, (2018).
- Pradeep Kumar Badiya, Jayakumar T P, Venkatesh S and Sai Sathish Ramamurthy, Spacer Layer Engineering for Ultrasensitive Hg(II) Detection on Surface Plasmon Coupled Emission Platform, ***Nanotechnology Reviews***, 6 (4), 331-338, (2017).
- Manne Anupam Kumar, Sai Gourang Patnaik, V Lakshminarayanan and Sai Sathish Ramamurthy, Electrochemical Determination of Ethanol by a Palladium Modified Graphene Nanocomposite Glassy Carbon Electrode, ***Analytical Letters***, 50(2), 350-363, (2017).
- Pradeep Kumar Badiya, Venkatesh Srinivasan, Sai Prasad Naik, Beбето Rai, Narendra Reddy, S Prathap Chandran, V Sai Muthukumar, Muralikrishna Molli and Sai Sathish Ramamurthy, Low-Cost Plasmonic Carbon Spacer for Surface Plasmon-Coupled Emission Enhancements and Ethanol Detection: a Smartphone Approach, ***Plasmonics***, 13(2), 519-524, (2018).
- Nehra A, Yarramala D S, Bandaru S and Rao C P, Cyclohexyl-diimine capped lower rim 1,3-di-derivatized calix[4]arene conjugate as sensor for Al³⁺ by spectroscopy, microscopy, titration calorimetry and DFT computations, ***Supramolecular Chemistry***, 30(7), 619-626, (2018).
- Sai Giridhar Sairam, Chelli Janardhana, Srikanth Sola, Asha Barooah, Sai Kiran Javvaji, Jiten Jaipuria, Vijayalakshmi Venkateshan and Carani Balaraman Sanjeevi, Diagnostic role and association of Lp-PLA2 with coronary artery disease in a South Indian population, ***Indian Heart Journal***, 69(2), S13-S14, (2017).
- Naga Sai Visweswar Kambhampati, Swayamsiddha Kar, Sai Siva Kumar Pinnepalli, Janardhana Chelli and Mukesh Doble, Microbial cyclic β -(1 \rightarrow 3),(1 \rightarrow 6)-glucans as potential drug carriers: Interaction studies between cyclic β -glucans isolated from *Bradyrhizobium japonicum* and betulinic acid, ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy***, 203, 494-500, (2018).
- Swayamsiddha Kar, Rohit Kumar Mishra, Ashutosh Pathak, Anupam Dikshit and G Nageswara Rao, *In silico* modeling and synthesis of phenyl and thienyl analogs of chalcones for potential leads as anti-bacterial agents, ***Journal of Molecular Structure***, 1156, 433-440, (2018).
- Manne Anupam Kumar, Sai Gourang Patnaik, V Lakshminarayanan and Sai Sathish Ramamurthy, Synergistic Hybrid Catalyst for Ethanol Detection: Enhanced Performance of Platinum Palladium Bimetallic Nanoparticles Decorated Graphene on Glassy Carbon Electrode, ***Journal of Analytical Chemistry***, 73(3), 266-276, (2018).
- Sasidhar Siddabattuni, Sri Harsha Akella, Abilash Gangula, Sivakumar B and L A Avinash Chunduri, Dielectric Properties Study of Surface Engineered NanoTiO₂/Epoxy Composites, ***Bulletin of Materials Science***, 41(13), 1526, (2018).
- G Krishna Prasad, S S P Prashanth, S Srivastava, G Nageswara Rao, D Rajesh Babu, Synthesis, characterization, second and third order non-linear optical properties and luminescence properties of 1,10-phenanthroline-2,9-di(carboxaldehyde phenylhydrazone) and its transition metal complexes, ***Open Chemistry***, 15(1), 283-292, (2017).
- Krishna Prasad Gannavarapu, Megha Thakkar, Sidhartha Veerapaga, Liping Wei, Rajesh Babu Dandamudi and Somenath Mitra, Novel diatom-FeOx composite as highly active catalyst in photodegradation of Rhodamine-6G, ***Nanotechnology Reviews***, 7(3), 247-255, (2018). DOI: doi.org/10.1515/nntrev-2017-0218
- Swayamsiddha Kar, Adithya K S, Pruthvik Shankar, Jagadeesh Babu N, Shailesh Srivastava and Nageswara Rao G, Nonlinear optical studies and structure-activity relationship of chalcone derivatives with *in silico* insights, ***Journal of Molecular Structure (Elsevier)***, 1139, 294-302, (2017).

- Kandapur S G S, Nanduri S and Golakoti N R, Synthesis and biological evaluation of new C-12(α/β)-(N-) sulfamoyl-phenylamino-14-deoxy-andrographolide derivatives as potent anti-cancer agents, ***Bioorganic & Medicinal Chemistry Letters***, 27(13), 2854-2862.

CONFERENCE PRESENTATIONS / PROCEEDINGS

- B Siva Kumar and Thota Sai Praneeth, Groundnut Shell as renewable alternative source for biofuels, carbon dots and ultracapacitors, ***105th Annual Session of the Indian Science Congress Association*** (16-20 Mar 2018) Manipur University, Imphal, Manipur.
- Sahida Sharma and B Andallu, Heavy metals in soil, water, vegetables and fruits in the fields close to cement and slab industries in Anantapur District, ***Specialised, Ayurvedic & Innovative Nutrition*** (16-17 February 2018) Sri Sathya Sai Institute of Higher Learning, Anantapur Campus, Andhra Pradesh.
- S K Belliraj, T S Praneeth and P V Vadlani, Biomass processing for renewable energy applications: Microbial consorti, ***3rd Green & Sustainable Chemistry Conference*** (13 May 2018) Berlin, Germany.
- Pradeep Kumar Badiya, Sai Sathish Ramamurthy, Surface Plasmon-Coupled Emission based determination of biologically and chemically important molecules, ***Dr. K V Rao Research Awards 2017-18 in Physics*** (17 Mar 2018) Hyderabad.
- G Krishna Prasad and D Rajesh Babu, One Pot, Microwave Assisted Green Synthesized Metals Decorated/ r-GO Hybrids as Electrocatalysts in HER, ***Hydrogen Energy and related Advanced Materials (HEAM) Scientist 2018*** (5 Mar 2018) University of Kerala, Trivandrum.
- Chelli Sai Manohar and B Sivakumar, Elucidating the soft spot CYP3A4 Metabolic Profiling of small molecule kinase inhibitors, ***Breaking Barriers through Bioinformatics & Computational Biology*** (31 Jul 2017) Supercomputing Facility for Bioinformatics and Computational Biology (SCF-Bio), IIT, Delhi.

Biosciences

PUBLICATIONS IN PEER REVIEWED JOURNALS

- R S Sai Murali, G Nageswara Rao and R Basavaraju, Looking Through The Lens of a Conservation Biologist: Life of Medicinal Plants in the Eastern Ghats of Andhra Pradesh, India, ***International Journal of Conservation Science***, 8(2), 333-347, (2017).
- Karthi S Iyer, B S Vijayakumar and A S Viswanathan, The Enigma of Biofilms, ***Current Science***, 115 (2018).
- Nivedita Hariharan, Samathmika Ravi, Bulagonda Eswarappa Pradeep, Koushik Narayan Subramanyam, Bibha Choudhary, Subhashini Srinivasan and Prakash Khanchandani, A novel loss-of-function mutation in HACE1 is linked to a genetic disorder in a patient from India, ***Human Genome Variation***, 5, 17061, (2018).
- Bhavani Manivannan, Deepak Gowda, Pradeep Bulagonda, Abhishek Rao, Sai Suguna Raman and Shanmuga Vadivoo Natarajan, Surveillance, Auditing, and Feedback Can Reduce Surgical Site Infection Dramatically: Toward Zero Surgical Site Infection, ***Surgical Infections***, 19(3), (2018). DOI: 10.1089/sur.2017.272
- Girish T N, B E Pradeep, and Ravi Parkash, Heat and humidity induced plastic changes in body lipids and starvation resistance in the tropical fly *Zaprionus indianus* during wet and dry seasons, ***Journal of Experimental Biology***, 221(9), (2018).
- Niranjana Mahalingam, Bhavani Manivannan, Balaram Khamari, Shivakumara Siddaramappa and Sudeshna Adak, Detection of antibiotic resistance determinants and their transmissibility among clinically isolated carbapenem resistant *Escherichia coli* from South India, ***Medical Principles and Practice***, (2018). DOI: 10.1159/000489885
- B E Pradeep, Bhavani Manivannan, Niranjana Mahalingam, Manmath Lama, Pachi Pulusu Chanakya, Balaram Khamari, Sudhir Jadhao, Madavan Vasudevan and Valakunja Nagaraja, Comparative genomic analysis of a naturally competent *Elizabethkingia anophelis* isolated from an eye infection, ***Scientific Reports***, 8(1), 8447, (2018). DOI: 10.1038/s41598-018-26874-8
- T N Girish, B E Pradeep and Ravi Parkash, *Drosophila* as a Powerful Modern Tool for Teaching Concepts in Biology and Biomedical Research, ***International Journal of Zoological Investigations***, 3(1), 21-28, (2017).
- Girish T N, Pradeep B E and Ravi Parkash, Impact of Global Climate Warming on Animal Ecology and Human Health, ***International Journal of Zoological Investigations***, 3(2), 179-187, (2017).
- Aswath Narayanan, Prakash Khanchandani, Roshan P, Chandrashekar Reddy Ambati, Arun Roy, Xu Han, Ritesh N Bhoskar, Srinivas Ragampetta, Francis Gannon, Balasubramanian Karanam, Vijaya Mysorekar, Sai

Muthukumar V and Venketesh Sivaramakrishnan, Avascular Necrosis of Femoral Head: A Metabolomic, Biophysical, Biochemical, Electron Microscopic and Histopathological Characterization, **Scientific Reports**, 7(1), (2017). DOI: 10.1038/s41598-017-10817

- Arumugam N, Almansour A I, Suresh Kumar R, Altaf M, Padmanaban R, Sureshbabu P, Angamuthu G, Kotresha D, Manohar T S and Venketesh S, Spiropyrrolidine/spiroindolizino [6,7-b]indole heterocyclic hybrids: Stereoselective synthesis, cholinesterase inhibitory activity and their molecular docking study, **Bioorganic Chemistry**, 79, 64-71, (2018).
- Sangeetha K N, Sujatha S, Muthusamy V S, Anand S, Shilpa K, Jyothi Kumari P, Sarathkumar B, Thiyagarajan G and Lakshmi B S, Current trends in small molecule discovery targeting key cellular signaling events towards the combined management of diabetes and obesity, **Bioinformation**, 13(12), 394-399, (2017).
- Sai Praneeth Thota, Sai Manohar Thota, Saikrishna Srimadh Bhagavatham, Kaja Sai Manoj, Vijaya Sayee Sai Muthukumar, Sivaramakrishnan Venketesh, Praveen V Vadlani and Siva umar Belliraj, Facile one-pot hydrothermal synthesis of stable and biocompatible fluorescent carbon dots from lemon grass herb, **IET Nanobiotechnology**, 12(2), 127-132, (2018).
- Kumar R S, Abdulrahman I A, Natarajan A, Althomili D M Q, Basiri A, Kotresha D, Thota Sai Manohar and Venketesh S, Ionic liquid-enabled synthesis, cholinesterase inhibitory activity, and molecular docking study of highly functionalized tetrasubstituted pyrrolidines, **Bioorganic Chemistry**, 77, 263-268, (2018).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- B E Pradeep, M Bhavani, M Niranjana, Manmath Lama, P Chanakya, K Balaram, J Sudhir, V Madavan and V Nagaraja, Elizabethkingia anophelis, an emerging opportunistic pathogen involved in diverse human infections, **Infectious Diseases: Biology to Intervention Strategies**, The World Academy of Science - Regional Office for Central & South Asia (TWAS-ROCASA) (7-9 Sep 2017) Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore.
- Mukul Anand and R Basavaraju, Phytochemical profile and pharmacological potential of Tecoma stans, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Thirnahalli Nagaraj Girish, Heat and humidity trigger plastic changes in body lipids and starvation resistance in the tropical Zaprius indianus, **Integrative Biology 2018** (26 Feb 2018) Bangkok, Thailand.

Food & Nutritional Sciences

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Shobha IR and Andallu B, Antioxidant, antidiabetic and hypolipidemic effects of aniseeds (*Pimpinella anisum* L.): *In vitro* and *in vivo* studies, **Journal of Complimentary Medicine and Alternative Healthcare**, 5(2), 2017.
- Ghoora M D and Srividya N, Storage effects on phytochemicals, antioxidant activity and sensory quality of fenugreek (*Trigonella foenum-graecum* L.) microgreens and mature leaves, **International Journal of Food and Nutritional Science**, 6(4), 59-68, (2017).
- M Srijaya and B Shanthi Priya, Impact of gamma irradiation and osmotic dehydration on quality characteristics of guava (*Psidium guajava*) slices, **Asian Journal of Dairy and Food Research**, 36(3), 197-205, (2017).
- Dhanya K and Srijaya M, Development of Functional Sapodilla Flakes with Nutraceutical and Health Regulatory Components and their Quality Characteristics during Storage, **International Journal of Food and Nutritional Sciences**, 7(1), 45-55, (2018).
- Sumana A and Aruna M, Formulation and quality evaluation of agathi (*Sesbania grandiflora* (L.) Poir) leaves enriched pizza base a healthier substitute for the regular pizza base, **International Journal of Home Science**, 3 (2), 383-386, (2017).
- Sumana A and Aruna M, Functional quality, sensorial and shelf life characteristics of Agathi (*Sesbania grandiflora* (L.) Poir) leaves enriched breads, **Functional Foods in Health and Disease**, 7 (6), 429-441, (2017).
- Sumana, E Sreedevi and M Aruna, Health enhancing properties of an edible flower sesbania grandiflora (l) poir (agathi) based processed product, **Indian Research Journal of Pharmacy and Science**, (2018).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Lakshmi Priya and Tapasya Anand, Effect of different drying techniques on certain phytochemicals and antioxidant activity of two fruit samples, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Ghoola M D and Srividya N, Elemental composition, phytochemical content and in vitro antioxidant activity of fenugreek micro, baby and mature leaves, **17th Global Dieticians and Nutritionists Annual Meeting** (2-3 Oct 2017) Kuala Lumpur, Malaysia.
- Gayathri S and Meera M, Development of millet based cookies for better health, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- Bharathi S T, Shende S, Haldipur A C, Ghoola M D and Nagarajan S, Nutritional profile, phytochemical content and agronomic biofortification studies in sunflower (*Helianthus annuus*) sprouts, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- N Saiharini and A Padmaja, Extraction and characterization of Passion Fruit peel, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- Vijaya M and Srijaya M, Effectiveness of using osmo active infusion substances alternative to sucrose in osmotic dehydration of selected fruits, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- Ghoola M D and Srividya N, Tropical microgreens: A nutritional and antioxidant-rich novel produce for enhancing rural and household food and nutritional security, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- Talari S, Ghoola M D and Srividya N, Effect of temperature, packaging and edible coating on the postharvest quality and shelf life of roselle (*Hibiscus sabdariffa* L.) microgreens, **26th Indian Convention of Food Scientists & Technologists** (7-9 Dec 2017) CSIR-Indian Institute Chemical Technology, Hyderabad.
- Varsha, R Murkhandi and Sumana A, Evaluation of Shoe flower (*Hibiscus rosa-sinensis*) extract as biocolorant in a food model system, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- E Vijaya and Sumana A, Prospects for biocolourants - The next generation food additives in food industry, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Keerthana H K and Srijaya M, Recent developments in osmotic dehydration technique for improving the post-harvest quality of fruits and vegetables, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Gayatri S and Meera M, Storage stability millet based papaya enriched cookies, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Lakshmi and Meera M, Analysis of Millet incorporated recipes, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Meera M and Vimalakumari, Shelf Stability of underutilized green leafy vegetable incorporated dehydrated products, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- K Avantika and Meera M, Development of gluten free cookies for better health, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Asharani Pichika and Meera M, Flax seed and Garden-cress seed Incorporated snack food, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Bhawana Rai and A Padmaja, Development of passion fruit jelly, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal

Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.

- A Padmaja, K Nageswari and N B L Prasad, Development of value added food products from green gram, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Anusha B and Andallu B, Radical scavenging and reducing potential of Trachyspermum ammi L. (ajwain) plant extracts, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Shagana M and Andallu B, Screening of Marathi mogga and Kapok buds for phytochemicals, **National Conference on Advanced Research in Pharmaceutical and Chemical Sciences - Emerging Challenges in Practice** (15-16 Sep 2017) Jawaharlal Nehru Technology University - Oil Technological and Pharmaceutical Research Institute (JNTU-OTPRI), Anantapur, Andhra Pradesh.
- Shagana M and Andallu B, Isolation of phytochemicals from medicinally unexploited spices - Marathi mogga and kapok buds, **Pharma Transpire - 3rd International Conference on Design Development and Practice of Drugs** (1-2 Feb 2018) CES College of Pharmacy, Kurnool, Andhra Pradesh.
- Anusha B and Andallu B, *In vitro* anti-inflammatory activity of ajwain (Trachyspermum ammi L.) plant extracts, **Pharma Transpire - 3rd International Conference on Design Development and Practice of Drugs** (1-2 Feb 2018) CES College of Pharmacy, Kurnool, Andhra Pradesh.
- Shagana M and Andallu B, Assessment of bioactivity (*in vitro*) of Marathi mogga (Kapok buds): Two varieties, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Shobha IR and Andallu B, Anti-carcinogenic potential of aniseeds (Pimpinella anisum L.) in human cancer cell lines, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Anusha B and Andallu B, Phytochemical screening and assessment of medicinal properties of Trachyspermum ammi L (ajwain) plant, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Kousalya S B, Hema Kumari K, Kaivalya S and Andallu B, Functional properties of spices, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Kritika S and Sumana A, A comparative study of conventional processing methods of wheat-horse gram - An underutilised legume, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Gayathri S and Sumana A, Acceptability and Consumption of dark chocolates - An Indian perspective, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Anjali R, Narmada R, Pavani L, Sai Priya K S and Sumana A, Management of food needs and nutritional requirements in emergency situations, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Pushkala R, Padmanabh and N Srividya, Applications of international software tools for community-based nutrition research, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Bharathi U S T, Haldipur A C and Nagarajan S, Agronomic biofortification: A simple low cost strategy for the improvement essential minerals, phytochemicals and antioxidant quality of sunflower sprouts, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Haldipur A C, Nagarajan S, Antidiabetic plant metabolites, *in vitro* therapeutic potential and Ayurveda based evaluation of Kattuyanam and bamboo rice, **International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.

- G Pushpalatha, Iyer G Ananya, G Santoshi and M Srijaya, Emerging trends in food processing, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Sailavanya K and Srijaya M, Development and storage stability of functional guava flakes, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Keerthana H K and Srijaya M, Influence of process parameters on mass transfer rates during osmotic dehydration of jamun fruit (*Syzygium cumini*. L.) skeels using dynamic infusion technique, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Amrutha Sai Vadde and Srijaya M, Assessment of nutritional status among school going children (7-11 years) of Anantapur district, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- B Sai Suruthi, P Jeevana Sindhu, U Sai Mounica, Sparsh Sumniron Subba and A Padmaja, Current regulations for food labeling in India, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- N Saiharini and A Padmaja, Study on nutrient composition and in vitro bio active properties of passion fruit peel, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Pavani, Naresh K and Padmaja A, Development of cereal bar enriched with fruit and peanut meal, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- S Saidharshini, A Thejaswi and N Srividya, Fasting as a healing therapy - Ayurvedic perspective and scientific evidence, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- V Harshini, Sai Gayathri H, Gracy Rai and N Srividya, Ancient food culture - What and why?, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- V. Amrutha Sai, V. Devi and N Srividya, Home remedies using spices and herbs for common ailments, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Lakshmi, Shrijana Rasaily and N Srividya, Ayurvedic principles of diet for weight reduction, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- N Srividya, Gayathri S and Shagana M, Formulation and evaluation of vitamin fortified instant rasam mix, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Swati S, M D Ghoora and N Srividya, Comparative studies on pre and postharvest treatments with Aloe vera gel and CaCl₂ on the shelf life quality of sunflower microgreens. ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Ghoora M D and N Srividya, Nutritional quality and novel culinary applications of microgreens - An emerging space age food crop, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Lakshmi Priya and Tapasya Anand, Development of low cost millet based RTE mix for type 2 diabetic subjects, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Harshini Sanku, Deepika Pradhan, Sai Darshna, Mrunalini Madan and Tapasya Anand, Role of Indian traditional fermented foods in maintaining good gut health, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Sai Sharanya P V, Prasamsa Rai, Jyothi N S, Sai Priya G and Meera M, Nutrition education strategies, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.

- Asharani P and Meera M, Storage stability of garden cress seed and flax seed flour incorporated millet-based cookies, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- S Gayatri and Meera M, Development, analysis and consumer education of millet based functional foods, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- D Tejashri and Meera M, Formulation, nutrient analysis and acceptability of recipes prepared using composite millet flour, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Avantika K and Meera M, Development and quality evaluation of quinoa incorporated composite flour cookies, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.
- Lakshmi A and Meera M, Development and quality assessment of banana incorporated millet based functional cookies, ***International Conference on Specialised Ayurvedic and Innovative Foods and Nutrition (SAIFNS 2018)*** (16-17 Feb 2018) Sri Sathya Sai Institute of Higher learning, Anantapur Campus, Andhra Pradesh.

Management & Commerce

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Saileela K and Swetha Thiruchauru, Capturing generations at work place, ***International Journal for Advance Research and Development***, 3(12), (2017).
- Bhavana and Swetha Thiruchanuru, Green Marketing: Gap Analysis in the Decision Making Process of a Green Consumer, ***Journal of Business Management & Social Sciences Research***, 7(3), (2018).
- Kothapalli Saileela and Swetha Thiruchanuru, An Empirical Study on Work Belief of Generation X and Generation Y in Digital Era, ***International Journal of Computational Engineering & Management***, 21(2), (2018).
- M Hema Lavanya and N Jayaprada, A Review of Studies on Investor Protection, ***International Journal for Innovative Research in Science & Technology***, 4(9), 94-99, (2018).
- Kolluru Soumya and N Jayaprada, Review of Studies on Micro, Small and Medium Enterprises, ***International Journal for Innovative Research in Science and Technology***, 4(9), 100-106, (2018).
- Yogita Kansal and Ch Radhakumari, The 'Sir' Impact of Demonetization – Measure of Long-Term Growth with Statistical Evidence, ***International Journal of Management Studies***, 5, 751-758, (2017) .
- Yogita Kansal and Ch Radhakumari, The 'Sir' Impact of Demonetization – Measure of Innovation, ***International Journal of Advance Research, Ideas and Innovations in Technology***, 3(6), 196-204, (2017) .
- Yogita Kansal and Ch Radhakumari, The 'Sir' Impact of Demonetization – Measure of Rapidity of Growth, ***International Journal of Engineering, Technology, Advanced Research and Management***, 1(12), 1-9, (2017).
- N Sivakumar, Service Quality and Innovation in the Public Sector: A Human Values-Based Spiritual Framework, ***ICPE Public Enterprise Half-Yearly Journal***, 23(1), 88-101, (2017).
- B Niveditha and D G Padmavathy, Facebook marketing: A brief overview of its Development and Application, ***Imperial Journal of Interdisciplinary Research***, 3(11), (2017).
- Chinmie Mukhi and Padmavathy, Change Management and Different aspects impacting it - A critical review of literature, ***Imperial Journal of Interdisciplinary Research***, 3(12), (2017).
- Tania Thapar and G Padmavathy, An Emperical study on causes and effects of employee turnover intention in a public sector organization, ***Imperial Journal of Interdisciplinary Research***, 3(12), (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Swetha Thiruchanuru, Tows Matrix: Analysis on Strategies of Small and Medium Scale Enterprises (SMEs) in India (with reference to Andhra Pradesh SMEs), ***National Conference on Performance, Problems and Prospects of MSMEs in India*** (28-29 Jul 2017) Govt. College Anantapur (Autonomous), Anantapur.
- N Jayaprada, Role of Angel Investing for brightening up the MSMEs in India, ***National Conference on Performance, Problems and Prospects of MSMEs in India*** (28-29 Jul 2017) Govt. College Anantapur (Autonomous), Anantapur.

- N Jayaprada, Income Tax Structure of Individual Assessee Enabling High Compliance in India, **National Seminar on Goods and Services tax, Income Tax, Financial Markets and Services (GSTIFMS-2018)** (29-30 Jan 2018) Sri Sai Baba National Degree College, Anantapur.
- M S Sai Vinod and N Sivakumar, Categorizing Motivations of Corporate Environmental Responsibility as part of CSR in Indian Firms, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- Yogita Kansal and Ch Radhakumari, The SIR impact of Demonetisation - Measure of Long-term Growth, **International Conference on Recent Trends in Technology and its impact on Indian Economy** (24 Oct 2017) Bathinda, Punjab.
- Aiswarya Padmnabhan and T R Rajeswari, Work Associates Perception of Quality of Work Life, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Akshaya N and T R Rajeswari, Indoor Environmental Quality: A Cost Effective Tool to Accelerate Green Building Practices in IDBI Bank Branches, Tamil Nadu, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- B Lokeshwari and T R Rajeswari, Education: An Enabler to Empower Women Entrepreneurs, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Manasa Pola and T R Rajeswari, Financial Literacy of College Teachers: An Evaluation, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Manjushree M K and T R Rajeswari, Karnataka Tourism: Trends and Patterns of Tourists Preferences over Destination Types, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Padmalalitha T V and T R Rajeswari, Knowledge Management: The Astute Genome of an Organisation, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Supriya Sharma and T R Rajeswari, Digital India: Reality or Dream?, **National Conference on Emerging Trends in Management Practices in the Globalised Era** (2 Feb 2018) Sivakasi, Tamil Nadu.
- Akshaya N and T R Rajeswari, Green Buildings: A sustainable Approach to water management in IDBI Bank Branches, Tamil Nadu, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- B Lokeshwari and T R Rajeswari, Stimulating and Sustaining Dynamics behind Women Entrepreneurs, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- Manasa Pola and T R Rajeswari, Ripple Effects of Financial Literacy of Individuals, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- Manjushree M K and T R Rajeswari, Sustainable Tourism: Assessing Awareness and Pro Sustainable Behaviour among Karnataka Tourists, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- Padmalalitha T V and Rajeswari TR, Towards Greater Realism in Interweaving the Disciplines of Learning for Organisational Sustainability, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.
- U Pranav and N Sivakumar, Towards identifying the underlying motivations of corporate social responsibility interventions in education sector, **3rd International Conference on Economic Growth & Sustainable Development: Emerging Trends** (10-11 Nov 2017) Mysore, Karnataka.

Economics

PUBLICATIONS IN PEER REVIEWED JOURNALS

- Sivakiran Guptha K and R Prabhakara Rao, The Volatility Behaviour of Emerging BRICS Stock Markets, *International Journal of Management and Development Studies*, 6(8), 95-111, (2017).
- M R Geetha Bala, What is GST and the reason why it is making business and taxes simpler and easier, *International Research Journal of Multi-Disciplinary Studies (IRJMS)*, 4(8), 34-37, (2018).
- Narendra Punati and Raghavender Raju G, Determinants of Crude Oil Prices in India, *International Journal of Economics and Management Studies*, 4(10), 1-9, (2017).
- Ankush Sharma and Raghavender Raju G, Exchange Rate Pass-Through in India: A Post-Reform Period Analysis, *Journal of Economic Policy and Research*, 12(1), 74-89, (2017).
- Dhruv Vyas and Raghavender Raju G, Determinants of Operational Efficiency of the Indian Banking Sector: A Panel Data Analysis, *IPE Journal of Management*, 7(2), 1-12, (2017).
- Anil Sai Kumar Y and Raghavender Raju G, Foreign Exchange Risk Management of Selected Non-Financial Indian Firms, *GITAM Journal of Management*, 16(1), 108-122, (2018).
- Rajbhushan J Nayak and V Pandit, Implications of Fiscal Policy on Growth: Alternative Scenarios, *International Journal of Business Quantitative Economics and Applied Management Research*, 4 (2)(2017).
- Sayel Basel and R Prabhakara Roa, Beta-Convergence of real per capita GDP in BRICS economies, *Indian Journal of Economics and Development*, 14, 309-315, (2018).
- Shyam Thapa and Dinesh Kumar Choudhury, Time Series Analysis of Automobile Demand in India, *International Journal of Creative Research Thoughts*, 6(1), 143-150, (2018).
- K U Gopakumar and V Pandit, Food Inflation in India: Protein products, *Indian Economic Review*, 52, 157-179, (2017).
- Mallikarjuna M, Sivakiran Guptha K and Prabhakara Rao R, Modelling Sectoral Volatility of Indian Stock Markets, *Wealth: International Journal of Money, Banking and Finance*, 6(2), 4-9, (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- M R Geetha Bala, What is GST and the reason why it is making business and taxes simpler and easier?, *Innovative Strategies, Advances and Challenges in Commerce and Management* (15-16 Feb 2018) Savitribai Phule Pune University, Pune.
- M R Geetha Bala, GST and the reason why it is making Business and Taxes simpler and easier, *National Seminar on Goods and Services tax, Income Tax, Financial Markets and Services (GSTIFMS-2018)* (29-30 Jan 2018) Sri Sai Baba National Degree College, Anantapur.
- M R Geetha Bala, A Constitution of India with special provisions for the Welfare of Women, *Role Of Women On Contemporary Issues and Challenges-National Perspective* (6-7 Feb 2018) Government Arts College, Anantapur.
- M R Geetha Bala, Changes of Women Labour, in Labour Market during the Post Reform Period, *International Seminar on Developmental Challenges of India after Twenty Five Years of Economic Reforms* (16-18 Mar 2018) Banaras Hindu University, Varanasi, Uttar Pradesh.

Education

CONFERENCE PRESENTATIONS / PROCEEDINGS

- P Lavanya, Effective classroom management, *International Conference on Innovative Trends in Teacher Education: Challenges and Strategies* (30-31 July 2017) S V University, Tirupati, Andhra Pradesh.
- B Sai Soujanya Kumari, Comparative analysis: Policies and Programmes for Environmental Education in India and Abroad, *National Seminar on Media, Politics and Higher Education* (29-30 Aug 2017) Osmania University, Hyderabad.

English Language & Literature

PUBLICATIONS IN PEER REVIEWED JOURNALS

- N Vani and Rajeshwari C Patel, Subtext in the Texts of Turgenev and Chekhov, **The Criterion**, 8(3), 1077-1085, (2017).
- Vani Sri N and Rajeshwari C Patel, A Month in the Country and Uncle Vania: A Comparison of Turgenev and Chekhov, **Virtuoso**, 7(2), 5-10, (2017).
- Siddhartha R and Rani P L, The Scramble for India: Decolonising Through the IPL, **Research Journal of English Language & Literature**, 6(1), 234-240, (2017).
- Rani P L, Nadine Gordimer: A Natural Blend of Creativity and Responsibility, **Virtuoso**, 7(1), 18-24, (2017).
- Rath, Tapan and A K Behera, Travel across time and space in William Blake's London, **International Journal of Humanities & Social Studies**, 3(4), 7-9, (2017).
- Rath, Tapan and A K Behera, Question of Identity and alienation in Jhumpa Lahiri's Interpretation of Maladies, **International Journal of Advanced Research**, 5(8), 335-336, (2017).
- Rath, Tapan and A K Behera, Teaching Language through Literature, **International Journal of Applied Research & Studies**, 6(8), 1-5, (2017).
- Mukhi, Mayur and A K Behera, Language of teen with special reference to I am Malala, **Journal of International Academic Research for Multidisciplinary**, 5(9), 129-133, (2017).
- Mohan, Seera Sai and A K Behera, Language of Motivation in Robin Sharma's The Monk who sold his Ferrari, **Indian Journal of Applied Research**, 8(4), 14-16, (2018).
- Swathi Metla, Stereotyping Women in the Fantastic, **Research Journal of English Language and Literature**, 6 (1), 375-382, (2018).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- Behera, A K, Language of Communication in Technical Education, **ELTAI Chapter at Sambhram** (May 2018) Sambhram Academy of Management Studies, Bangalore.
- N Vani and Rajeshwari C Patel, Study of the Inexplicable in Chekhov's Ivanov (Through the Technique of Subtext), **Globalization: Emerging Trends in English Language and Literature** (18-20 Jan 2018) Osmania University, Hyderabad.

Sub-Departments

PUBLICATIONS IN PEER REVIEWED JOURNALS

TELUGU LANGUAGE & LITERATURE

- M Praphulla, Sree Pulya Umaamaheswara Saasthrinaha kruthithwam, Rachanoddeshyaha, **Lalithaa Kavi Bharathi**, 9(1), 92-94, (2017).

CONFERENCE PRESENTATIONS / PROCEEDINGS

- M Praphulla, Andubatulo unna sankethika vijnanam - Andipuchukune theeru, **An International Seminar on ITC and language learning: Trends, Issues and challenges** (21-22 Feb 2018) St. Ann's College for Women, Hyderabad.
- M Praphulla, Sadasiva Brahmendrkruthulu - Oka adhyayanam, **A national seminar on Preservation and Promotion of Samskritham, Sangeetham, Naatakam & Naatyam** (21 Nov 2017) Veda Samskruti Samithi, Hyderabad.
- M Praphulla, Kiratharjuneeya mahakavye manaveeya moolyaani, **National seminar on Samskrithaandhra hindi Bhashaasu Ramayana Bharatha kathaadvayam - Manaveeya moolyaani** (14-15 Mar 2018) Sri Sai Baba National Degree College, Anantapur.

BOOKS

SANSKRIT

- N Venkatesha Rao, Ramayana Pradeepa, Hayagreeva Prakashana (Bangalore) (2018).
- N Venkatesha Rao, Katakopanishad, Hayagreeva Prakashana (Bangalore) (2017).

ARTICLES

SANSKRIT

- N Venkatesha Rao, Eeshavasyopanishad, *Tatvachandrika*, 25(4), 29-30, (2017).
- N Venkatesha Rao, Chandrika Vaishishtyam., *Tatvachandrika*, 25(3), 5-8, (2018).
- N Venkatesha Rao, Commentaries of Kamballuru Ramachandra Teertha, *Tatvachandrika*, 25(2), 10-11, (2018).
- N Venkatesha Rao, Doorath Durataram Yattu, *Tatvachandrika*, 25(3), 25-27, (2017).
- N Venkatesha Rao, Gurumevabhigacet., *Tatvachandrika*, 25(6), 10-11, (2018).
- N Venkatesha Rao, Upanishad-Adyayanam., *Tatvachandrika*, 25(5), 29-30, (2017).