

M. S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES (MSRUAS)

List of Publication for the year 2015

FACULTY OF ENGINEERING & TECHNOLOGY	
Department: Automotive & Aeronautical Engineering	
1	Senthil Kumaran, R., Sachin Kamble, Swamy, K. M. M., Nagpurwala, Q. H. and Ananthsha Bhat, (2015) Effect of Axial Velocity Density Ratio on the Performance of a Controlled Diffusion Aerofoil Compressor Cascade, <i>International J. of Turbo & Jet-Engines</i> , 32(4), pp. 305-317.
2	Chinnadurai, V., Hima Kiran, V. V. and Vinod Banthia, (2015) Design of Safety System for Sleeper Berth of Heavy Duty Truck Cabin, <i>SAE Technical Paper 2015-26-0158</i> , doi:10.4271/2015-26-0158.
3	Santhosh, R. N., Suman, M. L. J. and Srikari, S., (2015) Design of Helicopter Main Drive Flexible Shaft with Hybrid Construction for Weight Reduction, <i>SASTECH J.</i> , 14(1), pp. 17-20.
4	Vinay Sindhe, Hima Kiran Vithal, V. and Kiran, V. R., (2015) Conceptual Design of Quad Bike for Urban Commuting, <i>SASTECH J.</i> , 14(1), pp. 21-24.
5	Hrishikesh, B. S., Umesh, S. and Sivapragasam, M., (2015) Evaluation of the Ground Effect Performance of F-1 Race Car with Parametric Studies on Underbody Features, <i>Proceedings of 17th Annual CFD Symposium</i> , NAL, Bangalore.
6	Maheshwaran, A., Subbaramu, S. and Nagpurwala, Q. H., (2015) Effect of Inlet Spinner Shape on the Performance of a Low Aspect Ratio Transonic Axial Compressor Stage, <i>Proceedings of 17th Annual CFD Symposium</i> , NAL, Bangalore.
7	Anaek Dheepak, and Sivapragasam, M., (2015) Air Foil Optimization at a Very Low Reynolds Number, <i>Proceedings of 17th Annual CFD Symposium</i> , NAL, Bangalore.
8	Pradeep, Narahari, H. K. and Shiva Kumar., (2015) Effect of Rib Turbulatoron Distortion Index of a Serpentine Inlet Duct, <i>Proceedings of 17th Annual CFD Symposium</i> , NAL, Bangalore.
9	Vijayan, R., Swathi Prasad, B. K. and Sriram, A. T., (2015) Simulation of Sliding Mode Controller of Boost Converter for Fuel Cell Hybrid Electric Vehicle, <i>International Transportation Electrification Conference India</i> , Chennai.
10	Harmeet Kaur, Nagpurwala, Q. H. and Subbaramu, S., (2015) Numerical Studies on Aspirated Axial Compressor Stator Cascade for Improved Aerodynamic Performance, <i>SASTECH J.</i> , 14(2), pp. 1-4.
11	Venkata Krishna, S., Vinod K. Banthia, Srikari, S. and Suman, M. L. J., (2015) Reduction in Intrusion of B-Pillar in Side Impact using Advanced High Strength Steel Components, <i>SASTECH J.</i> , 14(2), pp. 5-8.
12	Jain Vijaykumar, Nagpurwala, Q. H. and Abdul Nassar, (2015) Effect of Partial Span Aspiration on the Performance of a Transonic Axial Compressor Rotor: A Numerical Study, <i>International J. of Rotating Machinery</i> , 2015, Article ID 761918. http://dx.doi.org/10.1155/2015/761918 .
13	Shridhar, S. N. and Sriram, A. T., (2015) Numerical Study on Liquid Trajectory from Slinger Injector for Small Gas Turbine Combustors, <i>24th National Conference on IC Engines and Combustion</i> , Dehradun, India.
14	Deepak Madhyastha and Narahari, H. K., (2015), Development of Design Rules for Fixed Wing Unmanned Aerial Vehicles, <i>7th Symposium on Applied Aerodynamics And Design of Aerospace Vehicles (SAROD-2015)</i> , VSSC, Thiruvananthapuram.

Department: Civil Engineering	
1	Shrihari K. Naik and Anitha Kumari, S. D., (2015) Prediction of Compressive Strength of GGBFS Concrete Subjected to High Temperatures using Artificial Neural Network, <i>SASTECH J.</i> , 14(2), pp. 9-12.
Department: Computer Science & Engineering	
1	Sharma, R., Govind, R. Kadambi, Vershinin, Y. A. and Mukundan, K. N., (2015) Deafness Avoidance in MANETs through Exchange of Link ID Broadcasts, <i>IEEE Conference on Communication Systems and Network Technologies</i> , Gwalior, India.
2	Sharma, R., Govind, R. Kadambi, Vershinin, Y. A. and Mukundan, K. N., (2015) Multipath Routing Protocol to Support Dual Polarised Directional Communication for Performance Enhancement of MANETs, <i>IEEE Conference on Communication Systems and Network Technologies</i> , Gwalior, India.
3	Sharma, R., Govind, R. Kadambi, Vershinin, Y. A. and Mukundan, K. N., (2015) Dual Polarised Directional Communication based Medium Access Control Protocol for Performance Enhancement of MANETs, <i>IEEE Conference on Communication Systems and Network Technologies</i> , Gwalior, India.
4	Abhishek, M., Deepak, V. and Sreekrishna, R., (2015) Development of a SysML Model and HIL Simulation of Multiple UAVs for Leader – Follower Collaborative Mission with Fixed Geometrical Formation, <i>SASTECH J.</i> , 14(1), pp. 1-4.
5	Shivaraj, K. M. and Padma Priya Dharishini, P., (2015) Design and Simulation Analysis of a Time Predictable Computer Architecture, <i>SASTECH J.</i> , 14(1), pp. 5-8.
6	Murthy, P. V. R. and Prabhakar, A., (2015) An Exploration into Effective Teaching of Introductory Programming, <i>SASTECH J.</i> , 14(2), pp. 13-16.
7	Murthy P. V. R., (2015) Design by Contract Methodology – A Step towards Zero-Defect Programming, <i>2nd SRESA National Conference on Reliability and Safety</i> , Chennai.
Department: Electrical Engineering	
1	Sachin, S. and Misal, S., (2015) Design, Implementation and Comparative Analysis of an 18-pulse Input Flyback Converter Based Switched Mode Power Supply, <i>Advances in Electronics, Computers and Communications (ICAIECC), International Conference</i> , pp. 1-8. Doi: 10.1109/ICAIECC.2014.7002472.
Department: Electronics and Communication Engineering	
1	Manasa, K., Nagananda, S. N. and Praveen, L. S., (2015) Design and Development of a Low Cost Multi-DOF Bionic Arm using Control Assist Mode Functionalities, <i>SASTECH J.</i> , 14(1), pp. 9-12.
2	Anupama, R., Siddeshwar, M. Jattimath, Shruthi, B. M. and Pallaviram Sure, (2015) Information Theoretic Criteria based Spectrum Sensing for Opportunistic Channel Access, <i>SASTECH J.</i> , 14(2), pp. 17-20.
3	Kunwar Pal Singh, Rohini Deshpande and Raveesh Ranjan, (2015) Design of Wideband Balun for Archimidian Spiral Antenna in Energy Harvesting, <i>Proceedings of International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT2015)</i> , Davanagere.
4	Viswanath, K. Reddy and Kaushik, C. M., (2015) Image Processing Based Extraction of Data From Graphical Representations, <i>IEEE International Conference on Computer Graphics, Vision and Information Security</i> , Bhubaneswar.
5	Kunwar Pal Singh and Rohini Deshpande, (2015) Ultra Wide Band (0.5-18.5Ghz) Spiral Antenna for EM Energy Harvesting, <i>Proceedings of International Radar Symposium India</i> , Bengaluru.
6	Punithavathi, D. and Jan Vandewege, (2015) Switching Circuit for RF Coil Ring-down Time Reduction, <i>IEEE MTT-S International Microwave and RF Conference</i> , Hyderabad.

7	Anusha, V. and Sitaramgupta, V. S. N, (2015) Enhancement of Distribution System Performance using HVAC Boost Converters and Fuzzy Controller, <i>12th IEEE India International Conference</i> , New Delhi.
Department: Mechanical & Manufacturing Engineering	
1	Arun, R., Sandeep, N. and Kishan Doss, K. S., (2015) Integration of Lean and Discrete Event Simulation for Improving the Value Stream Profit of a Production Line, <i>International Conference on Advances in Management & Technology: Mapping Strengths with Opportunities</i> , Motilal Nehru National Institute of Technology, Allahabad.
2	Sekar, A., Arunan, S., Govinda, K. V., Arun R. Rao and Mahesh, N. S., (2015) Drill Systems for Subsurface Analysis in Planetary Missions, <i>9th National Symposium and Exhibition on Aerospace and Related Mechanisms (ARMS)</i> , ISRO Satellite Centre, Bangalore.
3	Archana Raveendran and Satish, P. S., (2015) Development of a Cost Effective Supply Chain Framework for a Construction Equipment Manufacturer, <i>SASTECH J.</i> , 14(1), pp. 13-16.
4	Sobith, K. C., Ajit, Kumar, B. S. and Thangarajan, J., (2015) Process Improvement in Engine Manufacturing to Reduce Contamination Using Quality Management Approach, <i>SASTECH J.</i> , 14(2), pp. 21-24.
5	Arjun Vijaya Kumar, Raja Hussain and Ganapathi, K. N., (2015) Improvement in Casting Yield and Rejection Control for Aluminum Bronze (AB2) Casting, <i>57th National Convention of Indian Institution of Industrial Engineering & 3rd International Conference on Industrial Engineering</i> , Surat, India.
6	Adrian Peter, Raja Hussain, Ganapathi, K. N. and Arjun Vijaya Kumar, (2015) Yield Improvement and Reduction in Rejection of Copper Alloy Casting using Numerical Simulation, <i>57th National Convention of Indian Institution of Industrial Engineering & 3rd International Conference on Industrial Engineering</i> , Surat, India.
7	Naren Silva George, Arun, R. and Kishan Doss, K. S., (2015) ORASIS: An Approach to Reduce the Changeover Time in a Machine Shop, <i>57th National Convention of Indian Institution of Industrial Engineering & 3rd International Conference on Industrial Engineering</i> , Surat, India.
8	Vijaya Kumar, S., Sreejesh, P. and Subash Sundar, (2015) Delivery Performance Improvement of an Automotive Part using DMAIC Approach, <i>XIX Annual Conference of Society of Operations Management</i> , Calcutta.
9	Sandeep, N., Shreekanth and Rajesh, P., (2015) Process Capability Indices Predictor for Manufacturing Transmission Shafts, <i>Proceedings of 19th Annual Conference of the Society of Operations Management</i> , Calcutta.
FACULTY OF ART & DESIGN	
Department: Industrial Design	
1	Nitin Saurabh, Srinivasa and Chiranjith, (2015) Design of a Filtration Device for Reuse of Residential Waste Water, <i>International Conference on Challenges and Opportunities for Developing Sustainable RUBAN Society</i> , Dayananda Sagar Business Academy, Bangalore.
2	Abhilash, B. S., (2015) Revenge, Masculinity and Glorification of Violence in the Godfather, <i>International J. of Social Science and Humanities Research</i> , 3(20), pp.6-12.
3	Sharath, S. Shirsi., (2015) Design and Development of a System to Pump Water Using Solar Energy, <i>International Conference on Re-scripting India's Growth Story</i> , CMS Business School, Jain University, Bangalore.
4	Ganesh Laxman Bhat, Srinivasa and Vignesh Ravichandran, (2015) Design of Garbage Collecting System for Residential Application, <i>SASTECH J.</i> , 14(1), pp. 25-28.

5	Vivek J. Yadav, Lohit, H. S. and Srinivas, (2015) Design and Development of Motorized Wheelchair for Physically Challenged, <i>SASTECH J.</i> ,14(2), pp.25-28.
6	Sunil Kumar, M. D., Sharath S. Shirsi and Lohit, H. S., (2015) Design and Development of Wheat Puffing Machine for Commercial Application, <i>SASTECH J.</i> , 14(2), pp. 29-32.
Department: Fashion Design	
1	Mamatha, G. H., (2015) Smart Fashion for the Future through Biotech and Nanotechnology - An Overview, <i>International J. of Interdisciplinary Research and Innovations</i> , 3(1), pp.1-4.
2	Anil Kumar, K. H. and Nagaveni, K., (2015) Creative Learning through Art of Visualization, <i>International J. of Allied Practice, Research and Review</i> , pp. 38-41.
3	Anil Kumar, K. H. and Nagaveni, K., (2015) Arecanut By Products into Textiles, <i>International Conference on Challenges and Opportunities for Developing Sustainable RUBAN Society</i> , Dayananda Sagar Business Academy, Bangalore.
4	Mamatha, G. H., (2015) Sustainable Green Entrepreneurial Avenues for Fashion Industry, <i>International Conference on Challenges and Opportunities for Developing Sustainable RUBAN Society</i> , Dayananda Sagar Business Academy, Bangalore.
5	Goutham, N., (2015) Influence of Cocoon Characteristics on Reeling Performance, <i>International Conference on Challenges and Opportunities for Developing Sustainable RUBAN Society</i> , Dayananda Sagar Business Academy, Bangalore.
6	Mamatha, G. H., (2015) Attitudes and Acceptance of Traditional Indian Embroideries by Adolescent Girls, <i>Textile Trends: An National J.</i> , 57(12), pp. 49-53.
7	Mamatha, G. H., (2015) Safe, Innovative Textiles for Digital India Plan, <i>International Conference on Re-scripting India's Growth Story</i> , CMS Business School, Jain University, Bangalore.
8	Mamatha, G. H., (2015) An Overview on Intelligent Textiles and Clothing's Growth and Prospectus, <i>J. of the Textile Association</i> , 76(1), pp. 15-18.
9	Mamatha, G. H., (2015) Application of Garcinia Indica Bark and Fruit dye on Organic Knitted Cotton Fabrics, <i>Asian Dyer</i> , 12(4), pp. 28-32.
10	Mamatha, G. H. and Goutham, N., (2015) Application of Medicinal Dye (Turmeric and Annatto) on Silk Fabrics Using Eco-friendly Mordants, <i>SASTECH J.</i> , 14(2), pp. 33-38.
11	Mamatha, G. H., (2015) Sustainable Green Entrepreneurial Avenues for Fashion Industry, <i>DSBA J. of Research in Management</i> , 1(2), pp. 13-18.
FACULTY OF MANAGEMENT AND COMMERCE	
Department: Management Studies	
1	Lokesh, A. C., Mahesh, N. S., Balakrishna Gowda, Rajesh Kumar, K. and Peter White., (2015) Neem Biodiesel - A Sustainability Study, <i>J. of Biomass to Biofuel</i> , vol. 2, pp. 1-10.
2	Lokesh, A. C., Mahesh, N. S., Balakrishna Gowda and Peter White., (2015) Sustainable Biofuel Strategy in Karnataka State A Review, <i>Management of Environmental Quality: An International J.</i> , 26(2), pp. 288-300.
3	Neena Prasad., (2015) A Study on the Role of Service Quality on Customer Retention in Banks, <i>J. of Management & Commerce</i> , 2(1), pp. 6-12.
4	Nagendra, V., (2015) Private Sector Initiatives in Agricultural Marketing in India, <i>J. of Management & Commerce</i> , 2(1), pp. 13-16.
5	Bharathi, N. R. and Suresh, N., (2015) Route Scheduling of Air India Flights between Mumbai and Delhi, <i>J. of Management & Commerce</i> , 2(1), pp. 27-30.
6	Srivatsa, H. S., (2015) Environmentally Sustainable Practices in Indian Banking Sector, <i>J. of Management & Commerce</i> , 2(2), pp. 15-17.

7	Sundar, R. and Suresh, N., (2015) Parameters Considered by Consumers Shopping and Issues at Adidas Online Store: A Case Study, <i>J. of Management & Commerce</i> , 2(2), pp. 21-22.
8	Uday K. Jagannathan and Suresh, N., (2015) A Study on Determinants of Short Term Return on Stocks in the S&P500, <i>J. of Management & Commerce</i> , 2(2), pp. 23-28.
9	Achala Prashanth Bhatt and Geetanjali Pawar, (2015) Pradhan Mantri Jan Dhan Yojana (PMJDY) – Innovative Initiative towards Financial Inclusion – Review, <i>J. of Management & Commerce</i> , 2(2), pp. 35-38.
10	Usha, J. C. and Pradeep, K. V., (2015) Socio Economic Impact of Micro Finance Among Rural Women- A Review, <i>J. of Management & Commerce</i> , 2(2), pp. 39-42.
11	Sharath, K. M., Narahari, H. K. and Wright, N., (2015) Overall Efficiency Based Heuristic Approach to Retain Trading Partners in 4PL Transaction Centre, <i>J. of Management & Commerce</i> , 2(2), pp. 6-10.
Department: Commerce	
1	Suman Chakraborty, (2015) Trend of Retail Participation in Mutual Fund: A Cushion against Market Volatility, <i>J. of Management & Commerce</i> , 2(2), pp. 29-34.
2	Rakesh, C., (2015) A Study on Goods and Service Tax in India- Trades and Professional Perspective, <i>International Academic and Research Conference</i> , Vijayawada.
3	Suman Chakraborty and Sabat Kumar Digal, (2015) Empirical Evidence of Household Savings Objectives : A Demographic Comparison, <i>Indian J. of Finance</i> , 9(10), DOI: 10.17010//2015/v9i10/79560.
4	Renee Namratha and Rakesh, C., (2015) Ways to Enhance the Quality in Management Education- A Study, <i>Global Convergence of Management Education and Practices</i> , ICON Bangalore University, Bangalore.
FACULTY OF HOSPITALITY MANAGEMENT AND CATERING TECHNOLOGY	
Department: Management Studies - Hospitality	
1	Ashu Katyal and Betsy Xaviours, (2015) A Study on MSME's - Role in Propelling Economic Development of India & a Discussion on current HR issues in MSMEs' in India, <i>International J. of Scientific and Research Publications</i> , 5(2), pp. 1-11.
2	Prasannakumar, J. P., (2015) Cost of Employee Turnover - A Study Based on Critical Level of Employees of Five Star Hotels in Bangalore, <i>J. of Management & Commerce</i> , 2(1), pp. 17-23.
Department: Front Office	
1	Rashmi Gururaja, (2015) Impact of Social Media on Tourism and Hospitality, <i>J. of Management & Commerce</i> , 2(1), pp. 24-26.
Department: Housekeeping	
1	Noopur Sharma, (2015) Hotel Revenue Management and Its advantages and Disadvantages to Organization, its Employees and Customers, <i>International J. of Scientific and Research Publications</i> , 5(2), pp. 1-2.
FACULTY OF SCIENCE AND HUMANITIES	
Department: Physics	
1	Yadav, R., Swain, D., Kundu, P. P., Nair, H. S., Narayana, C. and Elizabeth, S., (2015) Dielectric and Raman Investigations of Structural Phase Transitions in (C ₂ H ₅ NH ₃) ₂ CdCl ₄ , <i>Phys.Chem.Chem.Phys.</i> , 17(18), pp. 12207-12214.
2	Bhaghyesh, (2015) Current Trends in Applied Physics, <i>CUSAT Conference</i> –

	Cochin.
3	Priyesh, K. V., (2015) Current Trends in Applied Physics, <i>CUSAT Conference – Cochin</i> .
4	Sathyanarayana Bhat, P., Asha Rao, Ganesh Sanjeev, Usha. G., Krishna Priya. G., Sankaran. M. and Suresh Puthanveetil, E., (2015) Capacitance and Conductance Studies on Silicon Solar Cells Subjected to 8 MeV Electron Irradiations, <i>Radiation Physics and Chemistry</i> , 111, pp.28-35.
5	Kundu, P. P., Kumari, G., Chittoory, A. K., Rajaram, S. and Narayana, C., (2015) “Raman, IR and DFT Studies of Mechanism of Sodium Binding to Urea Catalyst”, <i>J. of Molecular Structure</i> , 1102, pp. 267-274.
Department: Chemistry	
1	Harish, V., Niranjana Prabhu, T. and Nagaiah, N., (2015) Effect of Lead Monoxide as Filler on Chemical Stability of Unsaturated Polyester Radiation Shields, <i>Chemical Science Transactions</i> , 4(1), pp. 282-288.
2	Sheetal, R. B., Shridhar, A. H., Siva Jyoti, Vivek Chandramohan and Navya, P. N., (2015) Synthesis, Anti-Inflammation, Analgesic, Molecular Docking and ADMET Studies of Novel 1H- Imidazo [1,2-b] Pyrazole Derivatives. Science and Society, <i>Karnataka Science and Technology Academy (KSTA), Department of Science and Technology, Bangalore</i> .
3	Jyotsna Agarwal., (2015) The Study of Carbothermal Reduction of Barite in Presence of Calcium Chloride, <i>International J. of ChemTech Research</i> , 8(2), pp. 883-886.
4	Niranjana Prabhu, T., Demappa, T., Harish, V. and Prashantha, K., (2015) Synergistic Effect of Clay and Polypropylene Short Fibers in Epoxy based Ternary Composite Hybrids, <i>J. of Advances in Materials Research</i> , 4 (2), pp. 97-111.
5	Jyotsna Kumar., (2015) Effect of Catalyst on Carbothermal Reduction of Barite, <i>Proceedings of National Women’s Science Congress, Bangalore</i> .
6	Niranjana Prabhu, T., (2015) Advances in Chemical Engineering, <i>International Conference, Surathkal</i> .
7	Jyotsna Kumar., (2015) Impact of Sodium Chloride on Reduction of Barite at High Temperature, <i>International J. of ChemTech Research</i> , 8(9), pp. 453-455.
Department: Mathematics	
1	Mahadeva Naika, M. S., Suman, N. P. and Chandankumar, S., (2015) Schlafli-Type Mixed Modular Equations of Degrees 1, 3, n, and 3n, <i>African Diaspora J. of Mathematics</i> , 18(1), pp. 55-76.
2	Mahadeva Naika, M. S., Chandankumar, S. and Harish, M., (2015) Certain New Schläfli Type Mixed Modular Equations, <i>Vietnam J. of Mathematics</i> , DOI: 10.1007/s10013-015-0162-y.
Department: Humanities	
1	Sharmila, R., (2015) Productivity Growth of Karnataka Manufacturing Sector, <i>ZENITH International J. of Multidisciplinary Research</i> , 5(6), pp. 264-273.