Srishyla Education Trust ®
GM UNIVERSITY
(Established under the Karnataka State Act No. 19 of 2023)
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Research Paper Publications

Sl. No	Faculty Name	Title of the Paper
1.	Dr. Harsha H M	Experimental Analysis of Fracture Behaviour in ESET Jute-Natural Fiber Hybrid Composites under Eccentric Tension
2.	Dr. Mallikarjuna Veerabhadrappa Bidari	Experimental and numerical investigation of influence of flat conical inserts with different geometries in tubular heat exchanger
3.	Dr. Shanmukha B	Some results on Kenmotsu space forms
4.	Dr. Madhukesh J K	On the thermal performance of a three dimensional cross-ternary hybrid nanofluid over a wedge using a Bayesian regularization neural network approach
5.	Dr. Madhukesh J K	Heat transfer characteristics in a non-Newtonian (Williamson) hybrid nanofluid with Hall and convective boundary effects
6.	Dr. Madhukesh J K	Computational role of homogeneous– heterogeneous chemical reactions and a mixed convective ternary hybrid nanofluid in a vertical porous microchannel
7.	Dr. Madhukesh J K	Computational analysis of water-based silver, copper, and alumina hybrid nanoparticles over a stretchable sheet embedded in a porous medium with thermophoretic particle deposition effects
8.	Dr. Madhukesh J K	Computational Role of Autocatalytic Chemical Reaction in the Dynamics of a Ternary Hybrid Nanofluid Past a Rotating Stretching Surface
9.	Dr. T M Pradeep	Fabrication and Parametric Degradation Analysis on the Silicon Hetero junction Solar Cell under 60 Co Gamma Irradiation
10.	Dr. Suprith P G	Anti-Jamming and Power Minimization Interference Nulling in Uplink MIMO-NOMA Technique
11.	Dr. C. V. Srinivasa	Influence of suspended cenospheres on the mechanical characteristics and wear loss of natural fiber-reinforced hybrid composites: implications for biomedical applications and sustainable material management

12.	Dr. Madhukesh J K	Impact of radiation, melting, and chemical reaction on magnetohydrodynamics nanoparticle aggregation flow across parallel plates
13.	Dr. Madhukesh J K	Irreversibility analysis of cross-flow in Eyring–Powell nanofluid over a permeable deformable sheet with Lorentz forces
14.	Dr. Madhukesh J K	Stability scrutinization of a non-Newtonian (Williamson) ternary hybrid nanofluid past a stretching/shrinking sheet
15.	Dr. Madhukesh J K	Neural network algorithms of a curved riga sensor in a ternary hybrid nanofluid with chemical reaction and Arrhenius kinetics
16.	Dr. T M Pradeep	MgO nanofiller reinforced biodegradable, flexible, tunable energy gap HPMC polymer composites for eco-friendly electronic applications
17.	Dr. Madhukesh J K	Numerical study of hybrid nanofluid and thermal transport in sun-powered energy ship within the application of parabolic trough solar collectors
18.	Dr. Madhukesh J K	Numerical simulation of two-phase flow towards a stagnation point in the Jeffrey nanofluid across a porous deformable disc with zero mass flux condition and Lorentz forces
19.	Dr. Madhukesh J K	Implementation of stacking regressor model on the flow induced by TiO2-H2O and Ti6Al4V-H2O nanofluid with waste discharge concentration
20.	Dr. C. V. Srinivasa	Extraction and characterization of hemicellulose and lignin contents of areca fiber
21.	Dr. K N Bharath	Review of Image Processing Methods for Surface and Tool Condition Assessments in Machining
22.	Dr. Vijaykumar D J	Nano-crafting copper oxide: A novel electrode fabrication for enhanced electrochemical tryptophan detection and efficient photodegradation of nile blue dye
23.	Dr. Madhukesh J K	Influence of pollutant dispersion on nanofluid flowing across a stretched disc-cone device
24.	Dr. Madhukesh J K	Exploring the role of aligned magnetic field and nanofluids with pollutants in mass and thermal transfer on exponentially stretched surface
25.	Dr. Madhukesh J K	Computational role of the heat transfer phenomenon in the reactive dynamics of catalytic

		nanolubricant flow past a horizontal microchannel
26.	Dr. Madhukesh J K	Exact solutions for nanoparticle aggregation and porous medium effects over a stretching surface
27.	Dr. Vijaykumar D J	Photophysical characterization and theoretical analysis of brilliant sulfaflavine dye: Experimental and DFT approaches
28.	Dr. Madhukesh J K	Endothermic and exothermic reactions and stagnation point nanofluid flow over a porous stretched surface with a revised Buongiorno model
29.	Dr. Shivakumar S	Analysis and Monitoring of Production Data in Manufacturing Based on Cloud Technology
30.	Dr. Hanumanthraju R K	Non-Invasive Detection of Hydrogen Peroxide Adulteration in Milk using E-Tongue Analysis
31.	Dr. Madhukesh J K	Magnetized nanofluid flowing across an inclined microchannel with heat source/sink and temperature jump: Corcione's model aspects
32.	Dr. Vismitha S P	Synthesis, Structural Characterization, and Photocatalytic Application of ZnS Quantum Dots
33.	Dr. Shivakumar S	Enhancing the Hygrothermal Ageing Performance of Vinylester/Glass Composites through Nanoclay Incorporation
34.	Dr. Madhukesh J K	Computational analysis of ternary hybrid nanofluids mass transport and Bodewadt flow across a rotating disk driven by waste discharge concentration
35.	Dr. Shanmukha B	Dynamical analysis of hearing loss due to mumps virus with Caputo fractional derivative
36.	Dr. Jagadeswari Kurra	Male consumer preferences and satisfaction towards cosmetics: A comprehensive study
37.	Dr. Hareesha N	Electrochemical analysis of L-Tyrosine sensor using ball-milled duplex stainless steel alloy powder.
38.	Dr. Hareesha N	Synthesis, characterization and geometrical optimization of azo dyes derived from the substituted pyrazole and benzothiazole amines coupled with 3-N, N-diethyl amino phenol.
39.	Dr. Madhukesh J K	Scrutinization of nanoparticle aggregation in the reactive dynamics of heat transport phenomenon with buoyancy forces.

40.	Dr. Madhukesh J K	Repercussions of Nanofluid Flow and Internal Heat Generation Radiation on a Spiral Porous Fin with Variable Thermal Conductivity.
41.	Dr. Santhosh B M, Dr. Hareesha N and Dr. H P Shivarudrappa	Recent Developments on Electrochemical Sensors for Neurotransmitters Using Composite Transition Metal Oxide Nanoparticles.
42.	Dr. Santhosh B M	Saddle and nodal point aspects on stagnation point MHD Casson nanofluid flow over Howarth's wavy circular cylinder with pollutant concentration with stochastic intelligence approach.
43.	Dr.Suprith P G	Channel aware power allocation and diversity gain selection for Mimo Noma system
44.	Dr.Srinivasa C V	Surface Modification of Sustainable Bio-Derived Areca Sheath Fibers for Enhanced Mechanical and Thermal Properties in Epoxy-Based Biocomposites: Spectroscopic, Thermogravimetric, and Crystallographic Insights
45.	Dr.Poojitha B Sridhra Shetty	Sustainable synthesis of iron-doped manganese oxide nanoparticles for effective photo-accelerated detoxification of tetracycline
46.	Dr. Madhukesh J K	Effectiveness of kerosene/water conveying ternary (Cu–SiO2–Al2O3) nanoparticles flowing in vertical cylinder subjected to a melting phenomenon
47.	Dr.Poojitha B Sridhra Shetty	Unveiling the Wound Healing and Hypoglycemic Effects of Garcinia cambogia (L.) Roxb. in Streptozotocin-Induced Diabetesin Albino Wister Rats
48.	Dr Yuvarajgouda Patil	Unlocking the corrosion inhibition potential of expired chlorzoxazone on mild steel in acidic media: A synergistic approach with electrochemical, surface and computational insights.
49.	Dr. Madhukesh J K	MHD effects of oriented magnetic field on radiative Casson nanofluid flow over a stretchable surface.
50.	Dr. Madhukesh J K	Thermal transport analysis of ternary hybrid nanofluid flow over a vertical cylinder with thermal radiation and chemical reaction.

51.	Dr. Hareesha N and Dr. Vijayakumara D J	Honey-Mediated CeO_2 Nanoparticles: A Cost-Effective Approach for Electrochemical Biosensing of Human Serum Albumin.
52.	Dr. Hareesha N	One Step Self Assembled Bio-waste Carbon Material Derived from Maize Cob Doped ZnO/Co Composite Electrode Material for Battery Type and High Energy Density Supercapacitor.
53.	Dr. Madhukesh J K	Influence of waste discharge concentration and quadratic thermal radiation over oblique stagnation point Boger hybrid nanofluid flow across a cylinder.
54.	Dr. Madhukesh J K	Combined effects of thermal radiation and thermophoretic particle deposition in stagnation point flow over Howarth's wavy porous circular cylinder.
55.	Dr. Madhukesh J K	Triple Diffusive Convection in a Fluid Layer Under an AC Electric Field.
56.	Dr Yuvarajgouda Patil	Development of m-zirconium/halloysite nanoclay composite modified glassy carbon electrode for electrochemical detection of metaxalone in biological and environmental samples.
57.	Dr Yuvarajgouda Patil	Experimental investigation on the role of Bi^{3+} composition in structural, elastic, and radiation shielding properties of multifunctional cobalt-nickel nano-ferrites
58.	Dr.Prakash K K	Preliminary Phytochemistry and antibacterial activity of Ipomoea fistulosa
59.	Dr.Prakash K K	Health Risk Assessment of Variable Airborne Bacterial Occurrences at Different Occupational Sites in Davangere City, India
60.	Dr. Swaroop K	Tuning of optical properties of multifunctional silk fibroin films patterned by silver nanoparticles (Elsevier)
61.	Dr. S. Neelambike and Dr. B.K. Varun	A Weight-Based Clustering Algorithm is Used by Military Vehicles for VANET Communication
62.	Dr.Yuvarajgouda Patil	Halonanoclay-carbon paste composite sustainable electrode for electrochemical oxidation and determination of tryptophan
63.	Dr.Prakash K K	Graphite-Polyaniline Nanocomposites For Biofuel Cells: A Cogent Review
64.	Dr. Bharath K N	Comprehensive Characterization of Raw and Oxalic Acid Treated Ripen Cellulosic Biofiber from Areca Catechu Inflorescence as Substitute for Harmful Synthetic Products

65.	Dr. Shivakumar S	Study on Machinability Issues of Hard to Machining Inconel 718 - A Review
66.	Chaitra S. N.	Optimal Sink Node Placement and Routing Protocol Evaluation for 6LoWPAN Networks in IoT