

2021 Metro Richmond STEM Fair

Advancing to VSSEF

Bhavana Adhikari	<i>The Effect of Various Allelopathic Plants on the Suppression of Taraxacum Officinale</i>
Hemansh Adunoor	<i>Comparing Exoplanet Detection Techniques Using Various Exoplanet Distances</i>
Maria Angel Zamora	<i>The Effect of Lipid Second Messenger Phosphatidic Acid (PA) on Spinach (Spinacia oleracea) Under Salt Stress</i>
Perisa Ashar	<i>Development of a Novel Biomarker Panel and Investigation of Plasma and Tumor miRNAs for Rapid Identification of Lung Cancer by Blood Tests Utilizing Next-Generation Sequencing, Bioinformatics, and In-Vitro Analyses</i>
Mahin Atturu	<i>Using Transit Light Curves for Ground-Truthing the Orbital Radius and Planet Radius of Exoplanets Examined by the Kepler Space Telescope</i>
Tamas Gal	<i>The Effect of Soil Quality on the Viability of Earthworms</i>
Aadhira Gopalan	<i>The Effect of Storage Conditions on the Effectiveness of α-galactosidase Enzyme Supplements</i>
Ashley Hagan	<i>The Effect of Online and In-Person Learning on Grades</i>
Sania Jain	<i>Multiple Regression Modeling to Predict Changes in US GDP Using Stock Market Volatility and Unemployment Rates</i>
Ojas Joshi	<i>The Effect of Conditional Processing on Atlantic Hurricane Prediction Accuracy</i>
Laasya Konidala	<i>A Novel Integrative WSI-Based Deep Learning Framework For Breast Cancer IMS Classification</i>
Anvita Korrapati	<i>The Effect of Coronal Mass Ejection Acceleration (km/s^2) In Relevance of Earth's Orbital Position on Gamma Ray Dose Equivalent Rate (nSv/H) in Virginia</i>
Mrunal Kute	<i>Analyzing Blue Light on Dugesia Tigrina Regeneration to Model Human Epidermal Growth Processes</i>
Emily Lionberger	<i>The Effect of Oxygenator Design on the Survival Rate of Culex tarsalis Larvae</i>
Chirayu Nimonkar	<i>The Effect of Rat Brain Phantom Construction on Mimicry of the True Brain Model</i>
Thanvi Parupati	<i>The Effect of the Form of Heat Resistant Product on the Heat Damage of the Hair</i>
Anooshka Pendyal	<i>Determining Relatedness of L. Kempii Nesting Sites Using Bioinformatics</i>
Daniel Philip	<i>The Effect of Type of Catalyst on Efficiency of Water-Splitting with an Application Towards Solar Energy</i>
Avirat Raj	<i>The Effect of Water-Soluble Vitamins on S. Cerevisiae Growth Rate</i>
Saniya Sangle	<i>The Effect of Vitamin Supplements on the pH of Stomach Acid</i>
Aashka Shah	<i>The Effect of Early Monocyte Reconstitution on CD4+ and CD8+ T Cell Populations after Allogeneic Stem Cell Transplantation</i>

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Cameron Sharma *The Effect of Surface Dynamics on Atmospheric Water Harvesting*

Annabel Tang *Correlation of the National Institute of Health Stroke Scale (NIHSS) with Emergent Large Vessel Occlusion (ELVO) in Stroke Alert Patients – A Single-Center Experience*

Erum Vohra *The Effect of Various Wavelengths on the Detection of Point Sources in the Galactic Center*

Monona Zhou *The Effect of Coronavirus Species on the Binding Strength to a Neutralizing Antibody*