

# Poster Competition

## Annual Meeting 2022

Name/Names	Poster #	Affiliation	Poster Title
Paria Abouhamzeh & Ashok Silwal	1	University of Alabama in Huntsville	Analysis of the Interplanetary shocks in the heliosphere
Matthew Bonzu Ackah	2	Tuskegee University	Effect of Low Temperature Plasma Treatment on Fish Scale Powder-Filled Linear Low Density Polyethylene Films.
Sajid Ahmed	3	University of Alabama	Simulation of Hall Effect Thruster by a Diffusion-Driven Full Fluid, Magnetized Model
Derrick Appiah Osei	4	Alabama A&M University	Optical Characterization of Nanocomposite Materials Exposed By Plasma Jet
Khadi Badiane	5	Alabama A&M University	Assessment of Helium Plasma Atmospheric Pressure Plasma on Seed germination and Seedling Growth of a Microgreens Crop Mustard Greens, Var. 'Amara' With and Without Drought Stress.
Kirk Boehm	6	University of Alabama	Analysis of the Self-Sustaining Processes in a Hollow Cathode using Optical Emission Spectroscopy
Kallol Chakrabarty	7	University of Alabama at Birmingham	Effect of Argon Flow Rate and DC Bias on the Development of Boron Nitride Coating in Microwave Induced Plasma
Gautam Chandrasekhar	8	Tuskegee University	Low Temperature Plasma Treatment for Effective Recycling of High Density Polyethylene Waste
Sujan Prasad Gautam	9	University of Alabama in Huntsville	Solar Cycle Dependence of Heating Rate at 1AU
Kelvin Lule	10	University of Alabama in Huntsville	Influence of solar cycle on nonlinear and Alfvén timescales at 1 au
Luke Moore	11	University of Alabama at Birmingham	Techniques in High Entropy Materials
Precious Orji	12	Alabama A&M University	Assessment of Helium Plasma Atmospheric Pressure Plasma on Seed germination and Seedling Growth of Mustard Greens Var. 'Amara' With and Without Drought Stress.
Jacob Paiste	13	University of Alabama at Birmingham	Angular Distributions Associated with FeSe Laser Generated Plasmas: A Qualitative Comparison of Simulation and Experiment
Trang Pham	14	University of Alabama in Huntsville	Evaluation of Atmospheric Pressure Plasma as A Tool for Extending the Growing Season of Turmeric ( <i>Curcuma longa</i> )
Jared Powell	15	Auburn University	Development of probe diagnostics for EM wave measurements in the ALEXIS and MDPX devices
AKM Mustafizur Rahman	16	University of Alabama	Characterization of Ionization and Acceleration regimes of a Hall Thruster Plasma using Laser-Induced Fluorescence.
Aaron Skier & Hoban Carney	17	University of Alabama	Measurement and Comparison of Plasma Parameters in a Hollow Cathode and RF Inductively Coupled Plasma Source Using Langmuir Probes
Adam Smith	18	University of Alabama at Birmingham	ElphonPy: A simple interface expediting high-throughput calculation and analysis using EPW code
Kelby Starchman	19	University of Alabama in Huntsville	Solar cycle dependence of turbulent heating rate at 1 au
Bria Storr	20	University of Alabama at Birmingham	Microstructure and mechanical properties of High Entropy Borides Synthesized via Microwave-Induced Plasma
Fleanor Williamson	21	Auburn University	Spectral neutral density diagnostic in argon plasmas with widely varying fractional ionization
Yadav Baral	22	Alabama State University	Adhesion Properties of low-temperature plasma treated and gelatin-coated PTFE on fibroblast cells
Ezekiel Mills	23	Tuskegee University	Valorization of Feather Waste Biomass via PLA based Blown-film Composites