

2025 Student Research Symposium



GSA Poster Competition 1

Tuesday, April 22, 10am-12pm, OSL Area, Skeen Library

SRS Number:	Project Title:	Presenter(s):
SRS2025-001	Enhancing Aqueous Organic Redox Flow Batteries: Degradation & Mechanism Study	Md Shahriar Hasan
SRS2025-005	Density-Driven Formation Control of a Multi-Agent System with an Application to Search-and-Rescue Missions	Mohammad Afrazi
SRS2025-008	Impact of Thermal Gradient on Interfacial Energy and its Anisotropy in Al-Cu Alloy	Amrutdyuti Swamy
SRS2025-009	Quadruped Robot Locomotion in Limited Sensor Environments Using Reinforcement Learning	An Nguyen
SRS2025-010	Microfluidic-based detection of emerging cardiovascular bio-marker phospholipase A2	Dhanika Senavirathna
SRS2025-016	Machine Learning for Characterization of Multicolored ZnS Mechanoluminescent Composites	Matthew Moore
SRS2025-020	New Cu-Mo Porphyry Exploration Targets in Takla Group - Hagem Suite Northwest British Columbia	Zohreh Kazemi Motlagh
SRS2025-021	Geodesic Path Planning using Exponential Map with Injectivity Radius	Mahsa Soroori Khosroshahi

SRS Number:	Project Title:	Presenter(s):
SRS2025-023	The Effects of Phleomycin on <i>P. aeruginosa</i> and <i>S. maltophilia</i> Biofilms	Bianca Wanamaker
SRS2025-031	CFD Analysis and the Effect of Bright Coloration on Flight Efficiency of Dandelion-Inspired Flying Sensors	Gifty Quayson and Matteo Orlando
SRS2025-066	Numerical Plume Simulation And Velocity Normalization	Tucker Barraclough
SRS2025-070	Transfer Learning-based Culvert Siting Condition Classification	Hemanth Madduri
SRS2025-078	Acoustofluidics for Separation and Purification of Heavy Metal Adsorbed Microplastics in the Aquatic Environment	Nipuni De Silva
SRS2025-086	XRN2-PARP1 Interplay in Preventing Genomic Instability: Structure-Function Analysis	Miti Mathur
SRS2025-089	Bio-inspired Hierarchical Compliance for the development of a Climbing Robot	Matthew Tyrrell and Jakobe Ochoa