



JAPAN SUPER SCIENCE FAIR

2025

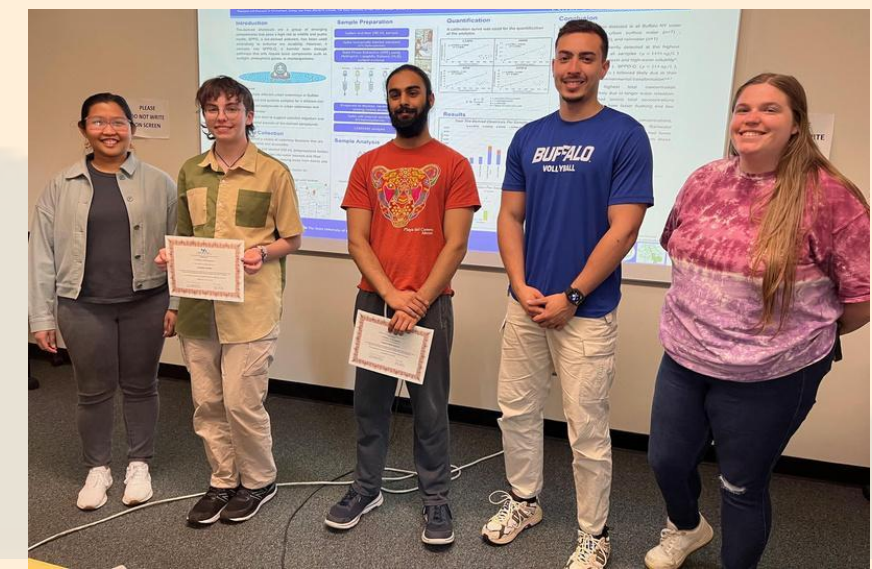


Science Research University at Buffalo

Dr. Diana Aga- Professor of Chemistry
Jaspen Sippel and Hershveer Singh Ahuja

Dr. Ning Da- Associate Professor of Civil, Structural and Environmental Engineering
Sophia Shaikh

Dr. Haiqing Lin- Professor of Chemical and Biological Engineering
Matthew Huang, Abigail Kremer and Jayson Nguyen



Science Research Class

Lewiston-Porter High School

- Dr. Sarah Evans teaches a new Science Research Class at Lew-Port High School
- 10 students are conducting individual science research
- Topics of interest and discovery
- Collaboration with local Universities



Japan Super Science Fair

Oral Project Presentation


Jayson Nguyen (12th) - “Separation of Gas Mixtures by PEG-DA Nanofiltration Membranes”

Poster Project Exhibition

Jaspen Sippel (11th) - “The Capability of Water Filters in Per and Polyfluoroalkyl Substances (PFAS) Removal and Reliability of Filter Warning Lights”


Matthew Huang (10th) - “Lithium Ion Separation by Nanofiltration Membranes Modified by Crown Ether”

Sophia Shaikh (11th) - “Drinking Water Quality: Impact of Iron Oxides on Chlorine Reactions with Disinfectants Leading to Toxic Biproducts”





What is the Japan Super Science Fair?



- **Global Exchange of Ideas:** Brings people together from around the world to share scientific research, innovative ideas and diverse perspectives
- **Interdisciplinary & Cross-Cultural Learning:** Promotes scientific thinking while encouraging learning across multiple subjects and cultures
- **Building Confidence & Connections:** Grow in confidence and form meaningful friendships with others through curiosity and discovery
- **Inspiring Future Scientists:** Pursue ambitions and empower the next generation to shape the future through science and innovation



How does science research impact your future?

What was your favorite memory from JSSF?





JAPAN SUPER
SCIENCE FAIR

NOVEMBER 1 - 5, 2025

*Unite in
Superbloom*