



2024-25 FACULTY AND STAFF
GRANT PROGRAM APPLICATION

Name of Project/Program: Enhancing Organic Laboratory Facilities Date: 05.01.2024

Applicant's Name: Asmik Oganesyanyan

GCC Position: Chemistry Professor, FT Department: PS, Chemistry

E-mail: aoganesy@glendale.edu Phone x5348

Please check which category best describes your project:


- Arts & Culture
- Athletics & Fitness
- Career & Work Training
- College Operations & Facilities
- Humanities/Social Sciences
- Science & Technology
- Other

Amount requested: \$ \$25,712.50

Please attach a one- to two-page typed request that provides a comprehensive summary of your project/program and establishes the need. Please include the following:

- What do you propose to do?
 - Who will be involved in the project/program?
 - What are the benefits of this project/program to the students, college, and the community?
 - How does this project/program support the College's [Institutional Strategic Plan](#)?
 - Timeline for the project/program.
 - How do you propose to use the funds requested? Please include specific budget information.
 - Please list any other sources of funding you have applied for and include dollar amounts if already awarded.
 - How will the Foundation's support be recognized?
 - How do you plan to evaluate this project's success?
 - If your project/program is successful, how will it inform your practice moving forward?
- Please email this completed and signed form along with your proposal to jjacobs@glendale.edu

Submission Deadline – Thursday, May 30, 2024 by 5:00 PM PST

Your signature indicates approval of this request to the Glendale College Foundation	
Applicant's signature	<u>Asmik Oganesyanyan</u>
Chair or Department Head Signature	
Print name of Chair or Department Head	SEVADA CHAMRAS

Grant Review Committee comments and/or recommendations:

This grant was denied/approved on _____ The amount awarded is \$ _____

GLENDALE COLLEGE FOUNDATION GRANT PROGRAM-APPLICATION FORM

Submission deadline - Wednesday May 30, 2024 by 5pm

Name of Project/Program: Enhancing Organic Chemistry Laboratory Facilities

Date: 05.01.2024

Please check which category best describes your project: Science & Technology

Applicant's name: Asmik Oganesyan on behalf of the Chemistry Department

GCC position: Professor of Chemistry **Department:** Chemistry

E-mail: aoganesy@glendale.edu **Phone:** 818-240-1000 x 5348 (cell: 818-438-9303)

Amount requested: \$25,712.50 (taxes and shipping not included)

Please attach a one to two-page typed request that provides a comprehensive summary of your project/program, and establishes the need. Include the following:

1. What do you propose to do: The primary objective of this proposal is to enhance the Organic Chemistry laboratory facilities at Glendale College by acquiring the following equipment.

1. Dean-Stark apparatus
2. Melting point apparatus
3. Vernier Gas chromatography instruments

2. How does this request support the mission of the college: The acquisition of the proposed equipment and software is crucial for several reasons:

The Dean-Stark apparatus, melting point apparatus, and Vernier Gas chromatography instruments are essential tools for conducting a wide range of experiments in Organic Chemistry. During our move to the new building, some of these instruments were damaged beyond reasonable repair. Dean-Stark apparatus is essential in understanding and utilizing the principles of forcing the reaction towards formation of desired product by removing the water from the reaction mixture using azeotropic mixture of water and toluene. With added number of organic chemistry labs, we are at severe shortage of melting point apparatus and GC instruments. These instruments will allow students to continue gain hands-on experience with techniques commonly used in research and industry, thereby enhancing their understanding of theoretical concepts.

3. No other sources are available to fund this proposal. We are actively looking for other sources to support the purchase of the instruments and software.

4. N/A

5. What are the benefits of this project to the student, college, and the community?

With state of the art laboratory spaces provided generously to our division in the new building, we need additional equipment and software to support the growth of the program. Purchase of the glassware listed above will allow us to make a better correlation between the lecture and lab materials, thus making it more enjoyable. Purchase of new sets of melting point and GC instruments will allow us to simultaneously conduct organic

chemistry labs. New desktops will make the analysis of the data faster, and will match the current technology of the IR instruments that we recently purchased.

6. How do you propose to use the funds requested?

The price breakdown for the listed glassware and instruments is provided below.

7. Timeline for the project: Upon approval of the grant, we anticipate completing the procurement process and installing the equipment and software within [Insert Timeline]. Following installation, we will provide training sessions for faculty members and students to ensure effective utilization of the new resources.

8. How will the Foundation's award be recognized In conclusion, the acquisition of Dean-Stark apparatus, melting point apparatus, Vernier Gas chromatography instruments, ChemDraw software licenses, and desktop computers for Infrared Instruments will significantly enhance the Organic Chemistry laboratory facilities at Glendale College. By supporting this grant proposal, the Glendale College Foundation will not only contribute to the academic success of our students but also strengthen the college's reputation as a leader in science education.

We sincerely thank the Glendale College Foundation for considering our proposal and look forward to the opportunity to enhance our Organic Chemistry laboratories.

9. How do you plan to evaluate this project's success?

- Students will be able to apply the knowledge from the lecture to the actual lab skills.
- New lab experiments will be designed to include use of the instrument for characterization of the products.
- It will attract more chemists to apply to teach at GCC and will promote improved enrollment in STEM courses.

Budget Breakdown:

Company	Name of the equipment	Catalog #	Price	Number of units	Total
kemtech-america.com/	Dean-Stark apparatus https://www.kemtech-america.com/Product/Product_Info.aspx?ProductID=573	D451414 DISTILLATION RECEIVER, DEAN STARK Capacity (mL) 5 Joints 14/20 Stop	\$138.25	10	\$1,382.5

Categories

- ACCESSORY >
- ADAPTER >
- BEAKER >
- BOTTLE >
- BUBBLER >
- CHROMATOGRAPHY >
- CLAMP >
- COLUMN >
- CONCENTRATOR TUBE >
- CONDENSER >
- CRUCIBLE >
- DESICCATOR >
- DISH >
- DISTILLATION APPARATUS >
- DISTILLATION HEAD >
- DISTILLATION RECEIVER >
- DISTILLING >

Products >Browsing > DISTILLATION RECEIVER > DEAN STARK > DEAN STARK



D451414 DISTILLATION RECEIVER, DEAN STARK Capacity (mL) 5 Joints 14/20 Stop

List price: ~~\$138.25~~

Login or Sign up for upto 40% off.

Status: On sale

Unit:

Free Shipping?: No

Share to:



Product Detail

Vernier.com	Gas chromatograph	(GDX-GC)	\$3,599.00	5	\$24,330.00
	Go Direct[®] Mini GC[™]	(CB-USB-C-MINI)	\$9.00		
	Mini USB-C Cable				
	Melting point apparatus	(MLT-BTA)	\$629.00	5	
	Melt Station			10	

Shopping Cart

PRODUCT	PRICE	QUANTITY	SUBTOTAL
Go Direct[®] Mini GC[™] (GDX-GC)	\$3,599.00	<input type="button" value="-"/> <input type="text" value="5"/> <input type="button" value="+"/> <input type="button" value="x"/>	\$17,995.00
Mini USB-C Cable (CB-USB-C-MINI)	\$9.00	<input type="button" value="-"/> <input type="text" value="5"/> <input type="button" value="+"/> <input type="button" value="x"/>	\$45.00
Melt Station (MLT-BTA)	\$629.00	<input type="button" value="-"/> <input type="text" value="10"/> <input type="button" value="+"/> <input type="button" value="x"/>	\$6,290.00

Educators Also Purchased

Cart Totals

SUBTOTAL \$24,330.00



SHIPPING Shipping options will be updated during checkout.

TAX Applicable taxes and exemptions will be calculated at checkout.

TOTAL **\$24,330.00**

Total Budget request: \$25,712.50 (taxes and shipping not included)

Please email this completed and signed form along with your proposal to zjacobs@glendale.edu

Your signature indicates approval of this request to the Glendale College Foundation	
	
Applicant's signature	
Signature of Chair or Department Head	
	
Sevada Chamras	
Print name of Chair or Department Head	SEVADA CHAMRAS

Grant Review Committee comments and/or recommendations:

This grant was denied/approved on _____ The amount awarded is \$ _____