



# NEWSLETTER

## May 2024

Chemistry and Physics Department, Oxendine Science Building – Room 3101, Pembroke, NC 28372  
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### CHM 4270 Student Research Poster Session, Spring 2024



Paul A. Flowers, Ph.D.

On May 1, 2024, Dr. Paul Flowers' students in his Instrumental Analysis class presented their research posters. The session took place at 9:30 a.m. by the first-floor north hallway in the Oxendine Science Building.  
Special thanks to Madan Maharjan (Geology & Geography Department) for expeditious and expert printing of the posters!  
Congratulations to you and your students.

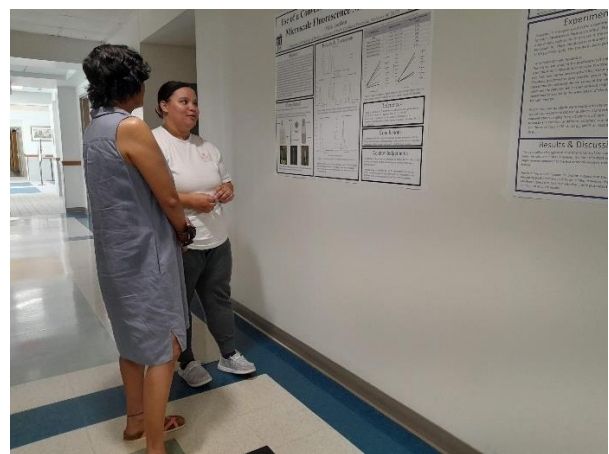
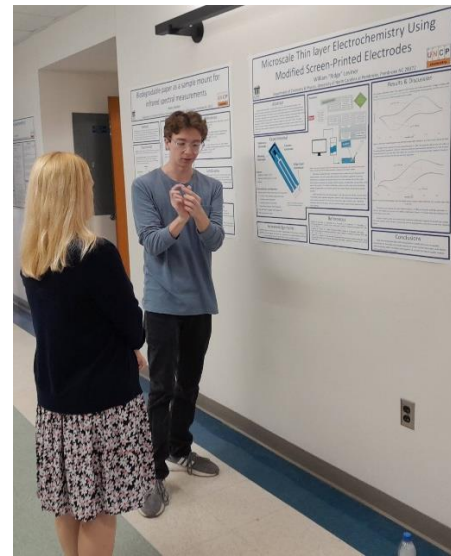
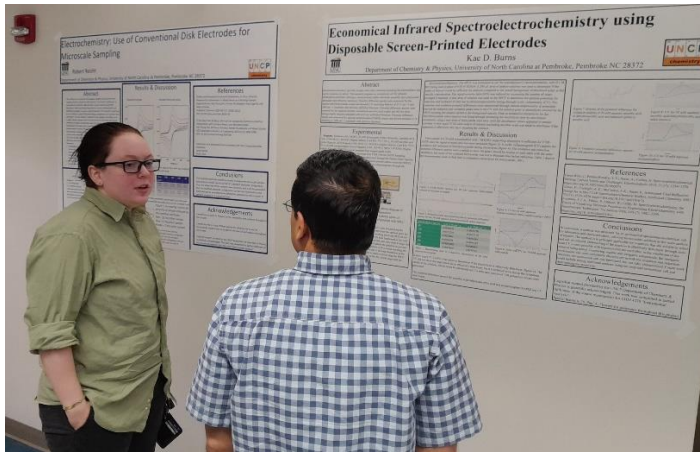
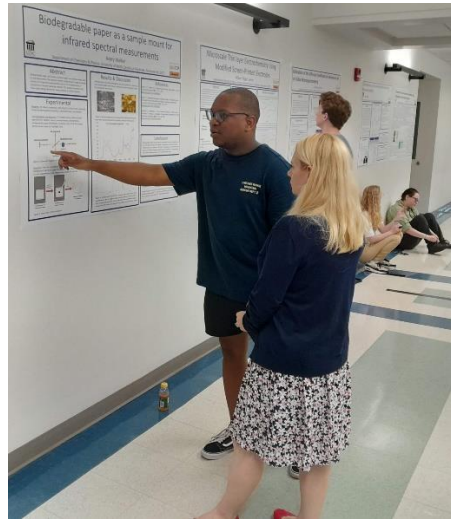


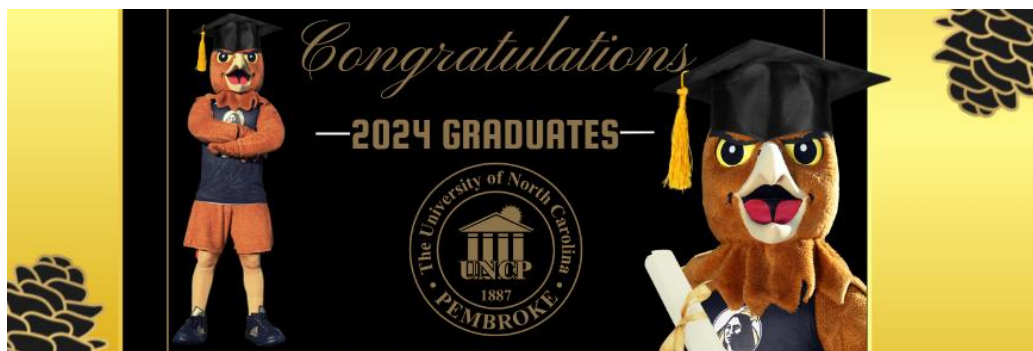
CHM 4270 poster session binder.pdf

**CHM 4270**  
**"Instrumental Analysis"**  
**End-of-semester Research Poster Session**  
Wednesday 31 Apr 2024 9:30-10:00 am  
Oxendine Science Building first-floor north hallway

	<b>Kae Burns</b>	Economical Infrared Spectroelectrochemistry using Disposable Screen-Printed Electrodes
	<b>Keirah-Lee Garry</b>	Estimation of the Diffusion Coefficient of Ammonia in Air via Visible Microspectrometry
	<b>Corey Jeffries</b>	Flame Atomic Emission Spectrometry of Microscale Samples
	<b>William "Ridge" Leviner</b>	Microscale Thin layer Electrochemistry Using Modified Screen-Printed Electrodes
	<b>Malla Locklear</b>	Use of a Conventional Fiber Optic Probe for Microscale Fluorescence Measurements
	<b>Robert Reich</b>	Use of Conventional Disk Electrodes for Microscale Electrochemistry
	<b>Avery Walker</b>	Biodegradable Paper as a Sample Mount for Infrared Spectral Measurements







**Congratulations to our *Chemistry and Physics Graduates.***



- |                            |                           |
|----------------------------|---------------------------|
| <i>Bachelor of Science</i> | Kae Dawn Burns            |
| <i>Bachelor of Science</i> | Juan Manuel Carrillo      |
| <i>Bachelor of Science</i> | Madison Elizabeth Deese   |
| <i>Bachelor of Science</i> | Keirah-Lee Marie Garry    |
| <i>Bachelor of Science</i> | Audrey Jacobs             |
| <i>Bachelor of Science</i> | William Ridge Leviner     |
| <i>Bachelor of Science</i> | Malia S. Locklear         |
| <i>Bachelor of Science</i> | London Jasiah Love        |
| <i>Bachelor of Science</i> | Sara Elizabeth Ormsby     |
| <i>Bachelor of Science</i> | Zachary Quinn Reed        |
| <i>Bachelor of Science</i> | James N. Revels           |
| <i>Bachelor of Science</i> | Tiffani Jordan Roberts    |
| <i>Bachelor of Science</i> | Avery Walker              |
| <i>Bachelor of Science</i> | Tristan Peter Dwyer       |
| <i>Bachelor of Science</i> | Mace Steven Garza Velarde |
| <i>Bachelor of Science</i> | Kyle Eli Graham           |
| <i>Bachelor of Science</i> | Jordan Morgan             |
| <i>Bachelor of Science</i> | Kaceion M. Williams       |

*Job well done!*

## Summer 2024 NSO Transfer Orientation



Dr. Rachel Smith, Ph.D.  
Professor of Chemistry

On Saturday, May 18, Dr. Smith and Dr. Neupane participated in the NSO Transfer Orientation. The orientation went well. Thank you for your commitment and dedication to connect directly with incoming students, share information about the department, and engage them in meaningful ways.



Dr. Tikaram Neupane  
Assistant Professor of Physics

## Students News

Daniel Smith received a URFS-PURC fellowship for the Summer I session under my Drs. Tikaram Neupane and Uma Poudyal's mentorship.