

SOE YU WADI (Ms.)

1764 Park Lawn Drive | Harrisonburg VA22801

Email: soeyuwadi97@gmail.com | Mobile: [+1 \(540\) 246-9740](tel:+15402469740)

Career Objectives: To work for an organization that provides me the opportunities to improve and my skills, knowledge and continuous upgrade in the long-term career to become a successful professional achieving an everlasting impression in the related fields along with the organizational objectives are being accomplished.

Education and Academic Honors & Awards

Bachelor of Science (Honors) in Biotechnology | James Madison University | Class of May 2020

- ❖ **Degree Honors:** • Magna Cum Laude • Honors Scholar • Distinction in Chemistry
- ❖ **Excellence in Biotech Academic:** Awarded for achieving the highest “Cum GPA 3.843” of the Graduating Class of Spring 2020
- ❖ **Phi Beta Kappa (ΦBK) Honors Society:** The most prestigious academic honor society in the United States induct the most outstanding students of arts and sciences at American colleges and universities
- ❖ **President’s List (3 Achievements):** • Fall Semester 2017 • Fall Semester 2018 • Spring Semester 2019
- ❖ **Dean’s List (3 Achievements):** • Spring Semester 2018 • Fall Semester 2019 • Spring Semester 2020

Honors Capstone Research Project (Jan 2019 – May 2020)

Project Title: Regeneration of used cooking oil and making Biodiesel

I collected four different types of used cooking oil samples from Myanmar during this summer. This 3 -semester long project mainly focusses on treating those used oil using green chemistry techniques, converting them to biodiesel.

Relevant Experience from the Project:

- ❖ Have more than 2 years coursework lab research experience in the chemistry field v Share a fair knowledge regarding the GMP procedures
- ❖ Handle & clean the hazardous chemicals and lab equipment
- ❖ Have critical thinking and problem-solving skills
- ❖ Strong computational skills: programming with Java Scripts

Technical Skills

- ❖ Gene cloning using recombinant plasmid
- ❖ Protein purification using affinity columns and Hydrophobic Interaction Chromatography
- ❖ Western blot / SDS PAGE
- ❖ dCAP PCR
- ❖ Creating mutation in the gene using CRISPR CAS9
- ❖ Assembly and annotate phage sequence using Blackbox software
- ❖ Various Organic chemistry techniques: chemical extraction, vacuum filtration, running NMR & IR and Gas Chromatography
- ❖ Interpreting HNMR and CNMR data
- ❖ Utilizing A Plasmid Editor (ApE) Sequence Editing Software
- ❖ Writing software using Java script and Vega lite
- ❖ Purification and Identification of the specific activity of the given protein
- ❖ ELIZA
- ❖ HPLC
- ❖ Bilingual: Fluent in both English & Burmese

Work Experience @James Madison University (Part-Time)

- ❖ Chemistry 131 Tutor @ **Chemistry Department & Science and Math Learning Centre**
- ❖ Peer Assisted Study Sessions(PASS) Leader for chemistry students
 - Prepared worksheets beforehand, organized and led a one-hour study session for 20-30 students

Leadership and Volunteer Experience

- ❖ **JMU Alternative Break Programs:**
 - **Homelessness Issues | JMU ABP | Spring 2018:**
 - Led a group of 12 people for a week-long break to Georgia States.
 - Rebuilt houses for lower-income families, in partnership with Fuller center, nonprofit organization.
 - **Environmental Issues | JMU ABP | Spring 2018:**
 - Led a group of 10 people for a weekend break to a Kiptopeke States Park.
 - Picked up recyclable trash around the coastal area near the beach and hill sides.
 - **Homelessness Issues | JMU ABP | Summer 2019:**
 - Participated in a week-long break in New Orleans with other 50 JMU students.
 - Partnered with a non-profit organization and rebuilt houses for victims of Hurricane Katrina.
- ❖ **Humanitarian Works:** Joined James Madison University’s Habitat for Humanity Club which helps in building houses for the public and found own charitable group which helps children in Taung Zun in education and health affairs.

Career Expectations: Strongly motivated to kickoff my first job to accomplish a long-term successful career.