**Research Instruments**

1. Hotplate Stirrer

2. Furnace

3. X-Ray Diffractometer (XRD)

4. Scanning Electron Microscope (SEM)

5. UV-Vis Spectrophotometer

6. Sourcemeter (Keithley 2400)

7. Workshop PASCO 750 Interface

8. PASCO Voltage Sensor

9. DataStudio Software