

Shimadzu RF-5301PC Spectrofluorophotometer

- 1. Log onto the computer connected to the Shimadzu RF-5301PC.
- 2. Turn the power on from the button on the side shown below.



3. Run the software "Panorama" on the desktop. Select "2D Emission measurement" from the dropdown list, shown below.



The system will initialize automatically, and wait for all tests to be done and passed.

TUNT					
COLLEGE OF SCIENCE DEPARTMENT OF PHYSICS					
	Instrument Initialization				
	Instrument: ROM Version: Serial Number: Serial Port:	RF5301 3.0 A40194602391SA COM1			
	Instrument Tests ROM RAM EEPROM Excitation Slit Emission Slit Excitation Monoc Baseline	chromator hromator			
	Testing	Passed Failed			

4. Load the sample and set the appropriate range of emission wavelength (nm). Set the excitation wavelength (nm). Click "Measure" to start measurement.



5. To save the spectrum, first, close the measurement result, and a new window with the previous data will be displayed. Save the data from "File - Save as".



😯 panorama - C:\Users\User\Documents\panorama Demo Data\Projects\Pt-POP-test1.project - 425-f	_ 0 ×
<u>File Edit Project 2</u> D View <u>R</u> F-5301 <u>Mathematics Quantify Tools Window H</u> elp	
425-f	×
6.5- Emi 6 6 6 6 6 6 6 6 6 6 6 6 6	
4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5	MAA
3.5- 450 500 550 600 650 700 750 800 Scanning Speed: Super Response Time: 0.1 [s] Sampling Interval: 1.0 [rm] Excitation Silt Width: 1.5 [rm] Emissioi [462.535492 [rm] , 6.70249 [Emil] Department: Öperator: User	850 nm 900

- 6. Once done with the spectrofluorophotometer, close the software, turn off the power of the system, and log out of the computer.
- 7. Fill in your name, date, time in, and time out on the logbook.

Learning Materials:

[1] <u>Spectrofluorophotometer manual</u> from manufacture.