



Module PMRF-ISSS051

Principles of IR, NMR and Mass Spectroscopy

Name of the PMRF student

Shreya Banerjee

Details of the content of the module

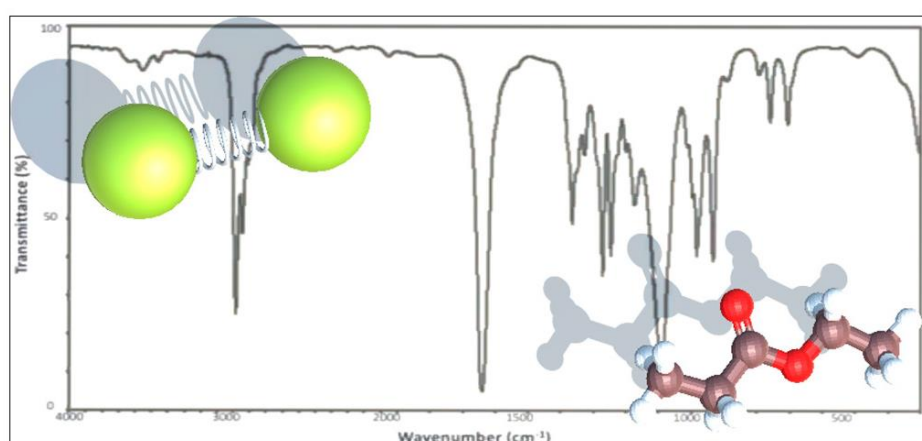
The course introduces the primary spectroscopic methods used in the structural elucidation of organic and biological molecules.

- Infrared (IR)
- Nuclear Magnetic Resonance (NMR)
- Mass (HRMS, MALDI)

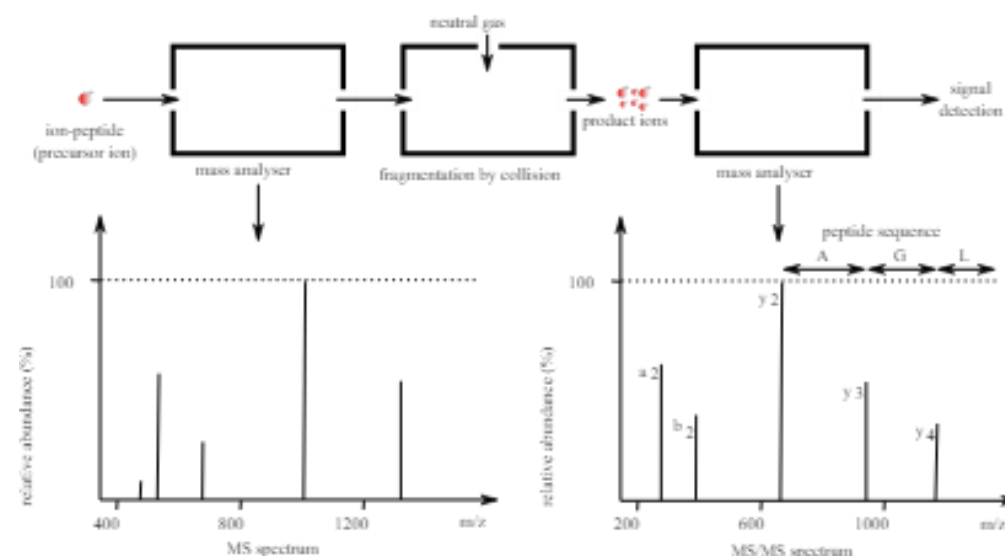
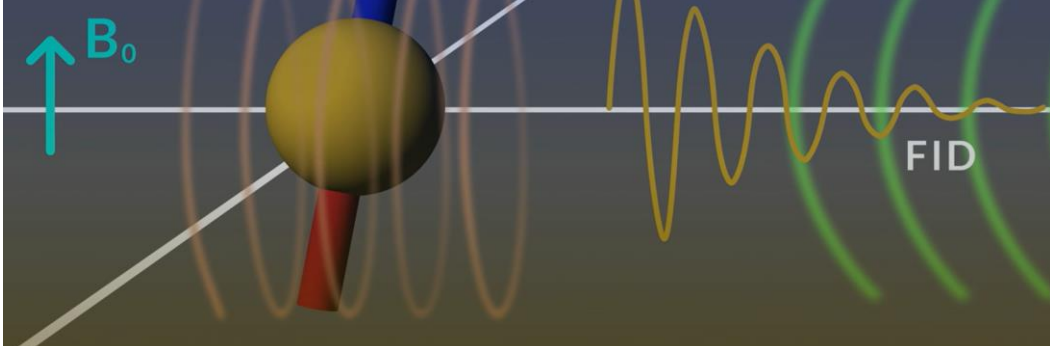
The application of these techniques in structure elucidation of simple molecules is discussed. Problems will be solved where, from a given spectrum, the molecule will be identified.

Required background of the students taught

+2 level understanding of chemistry, physics and biology



NMR nuclear magnetic resonance



Schedule of the module

Start Date: 18.03.24 (Tentative)

End Date: 29.04.24 (Tentative)

Timings: Saturdays, 6:00 to 7:00 p.m. ,Mondays,
7:00 to 8:00 p.m.

Total hours: ~ 13

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link:

<https://forms.gle/9aphj3HcapW9RXzw9>