

INAUGURAL FUNCTION OF CENTER FOR ADVANCED MATERIAL RESEARCH 11.02.2016























MCA Institute of Technology & Management
National Institute of
2008
To create, advance and sustain the excellence
in education.
2009
To nurture the young minds and to bring
passion and love for discipline to
personal education and good guidance.

MCA Institute of Technology & Management
National Institute of
2007
To impart world-class technical education to students and
equip them in various scientific, technological and
management skills for the future.
2008
To provide world-class technical education through
innovative pedagogical and academic methodology.
To enhance students' technical knowledge and
develop creative solutions for the field of engineering.

MCA Institute of Distance Education
2008
To provide quality education through
distance mode in various fields of Technology
Department of Distance and Technology
Department of Administration

Guest Teacher (Guest) / 7/1













Center for Advanced Material Research sponsored by Department of Science and Technology, Govt. of India, Vision Group of Science and Technology, Govt. of Karnataka.

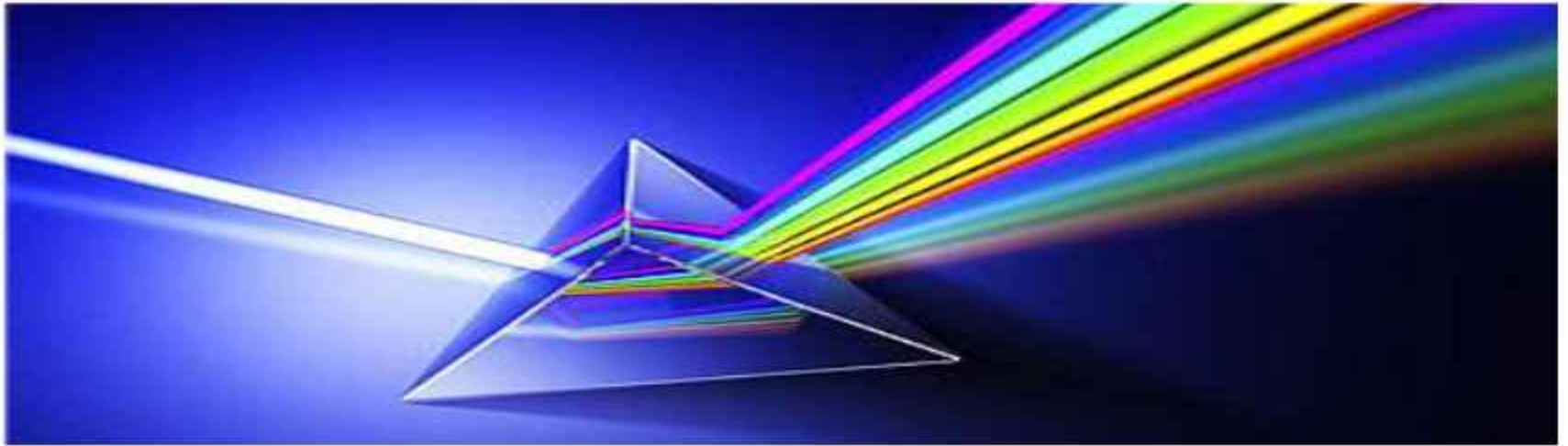


Dr. C. Kavitha, Scientist, Dept. of Chemistry received DST-SERB Young Scientist Research Grant worth Rs. 32 Lakhs



Dr. N. Dhananjaya, Associate Prof. Dept. Physics received DST-SERB, VGST Young Scientist Research Grant worth Rs. 25 Lakhs

Research facilities for spectroscopy characterization



Raman Spectroscopy

Fourier Transform Infrared (FTIR) Spectroscopy

Peak Seeker Raman Spectrometer-Available



Raman Characterization facility for nominal Charges

For non BMSITans, the Raman Characterization is available for nominal payment basis

For an academic candidates - 5 samples/hour has to pay Rs. 1000

For an Industry candidates - 5 samples/hour has to pay Rs. 2000

The payment will be in the mode of cheque/DD addressed to Principal, BMSIT, and Payable at Bangalore. Further the candidates should acknowledge Raman facility, R&D Chemistry, BMSIT in their publications.

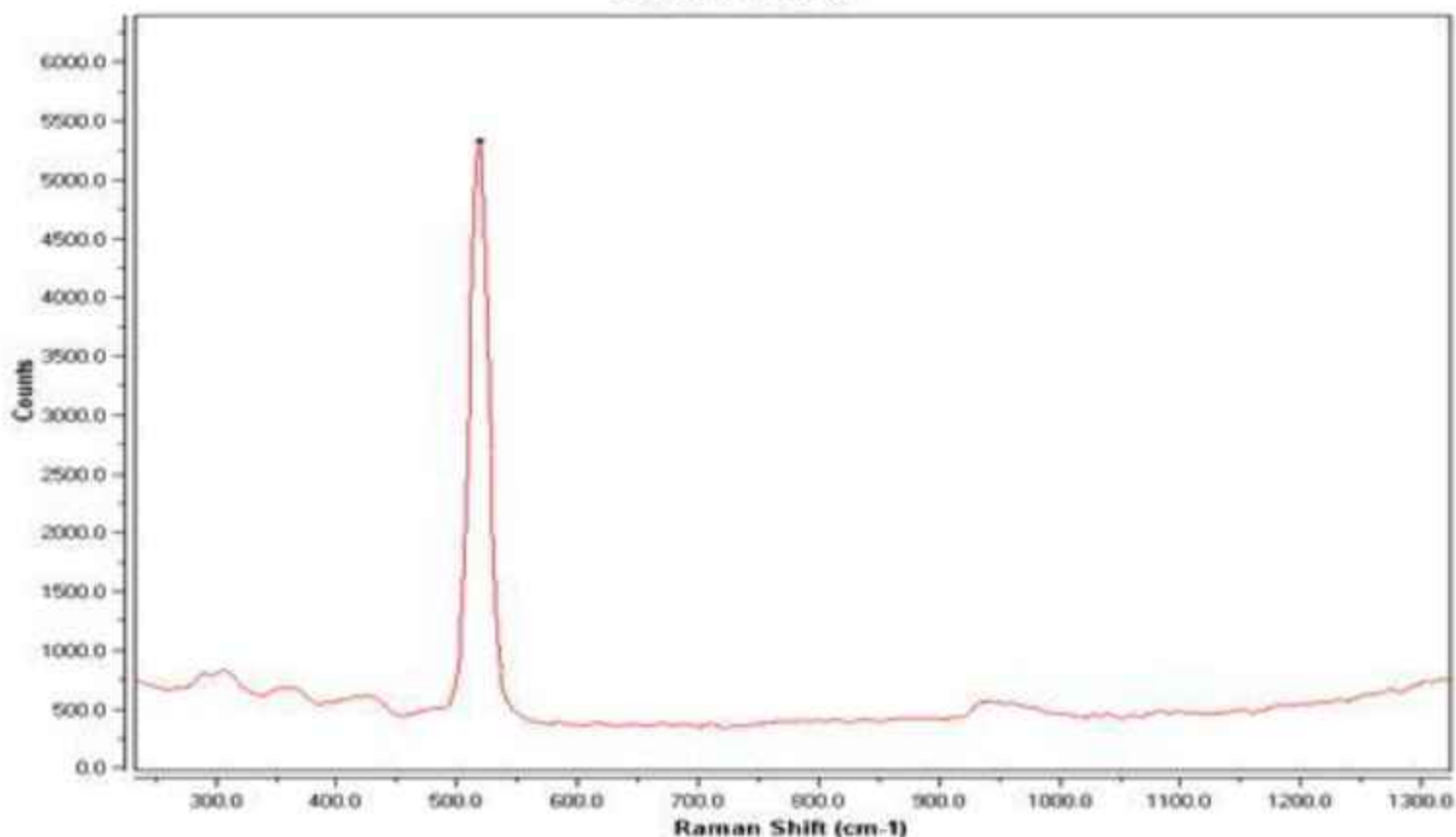
BMSIT faculties are welcome to utilize our research facilities for their Ph.D work in a collaborative manner. Faculties are strictly advised not to bring others sample for Raman characterization.

Perkin Elmer Fourier Transform Infrared (FTIR) Spectroscopy Yet to come-under process



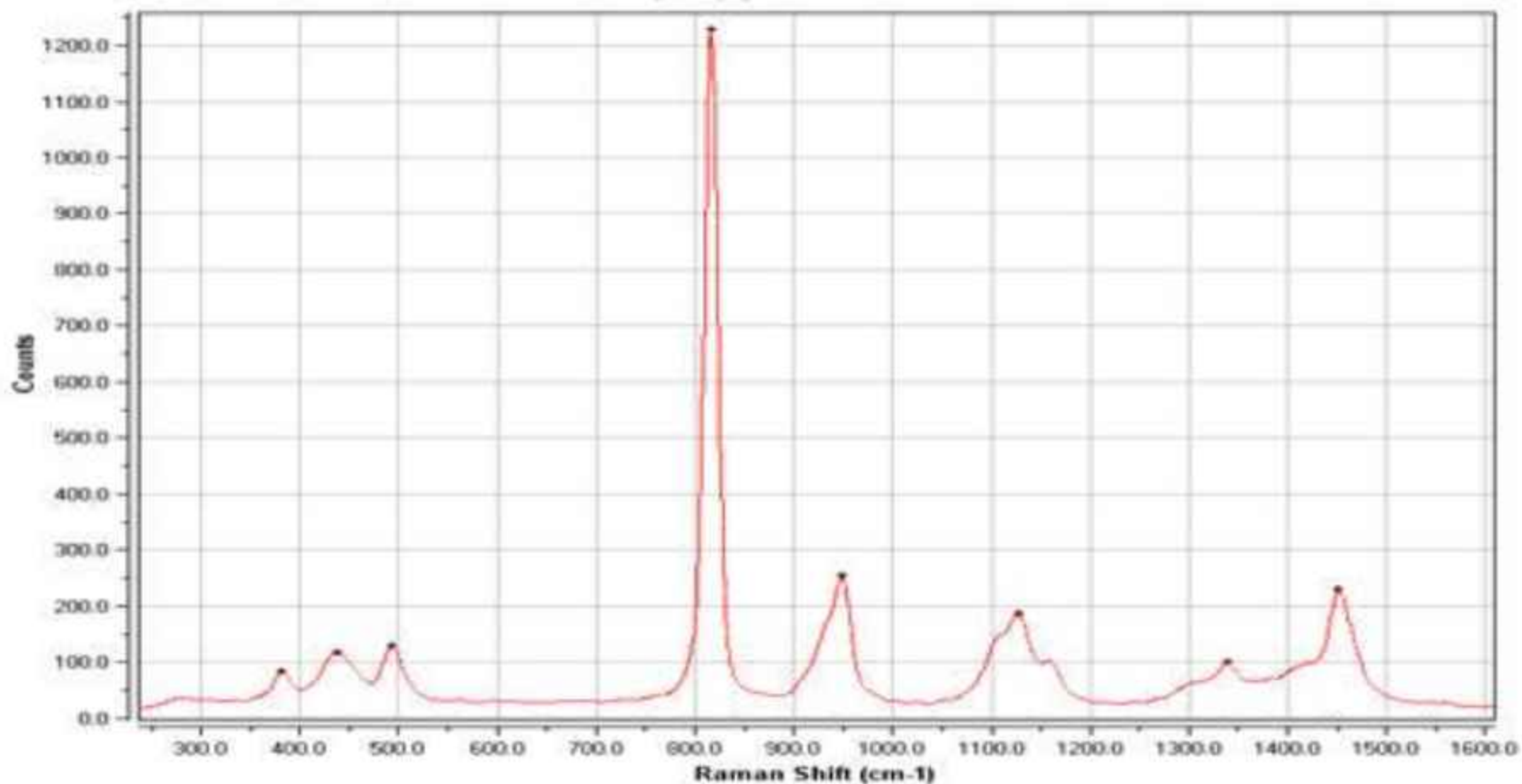
SAMPLE RAMAN SPECTRA FOR SEMICONDUCTOR

Silicon Wafer

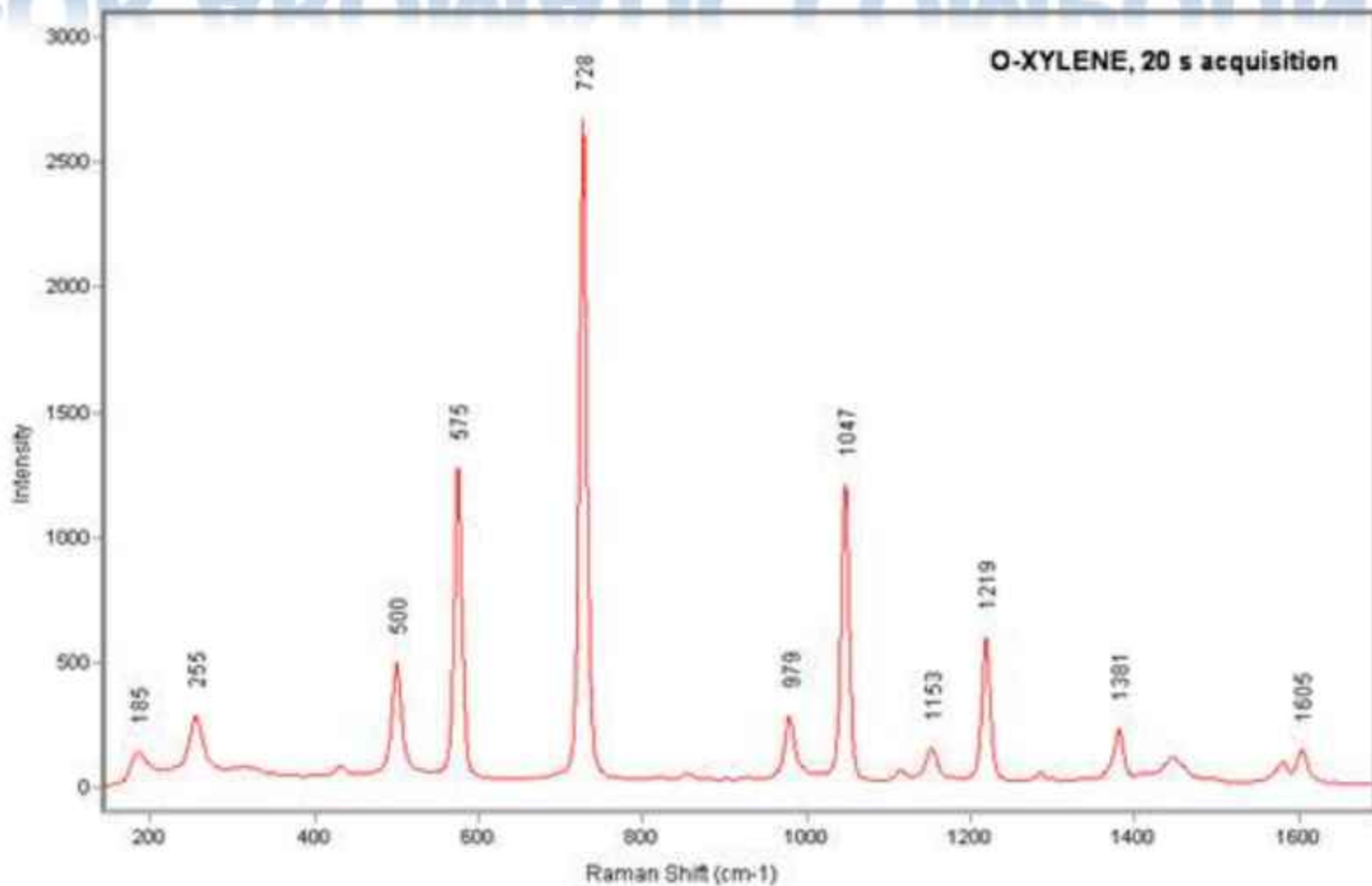


SAMPLE RAMAN SPECTRA FOR CHEMICAL SOLVENTS

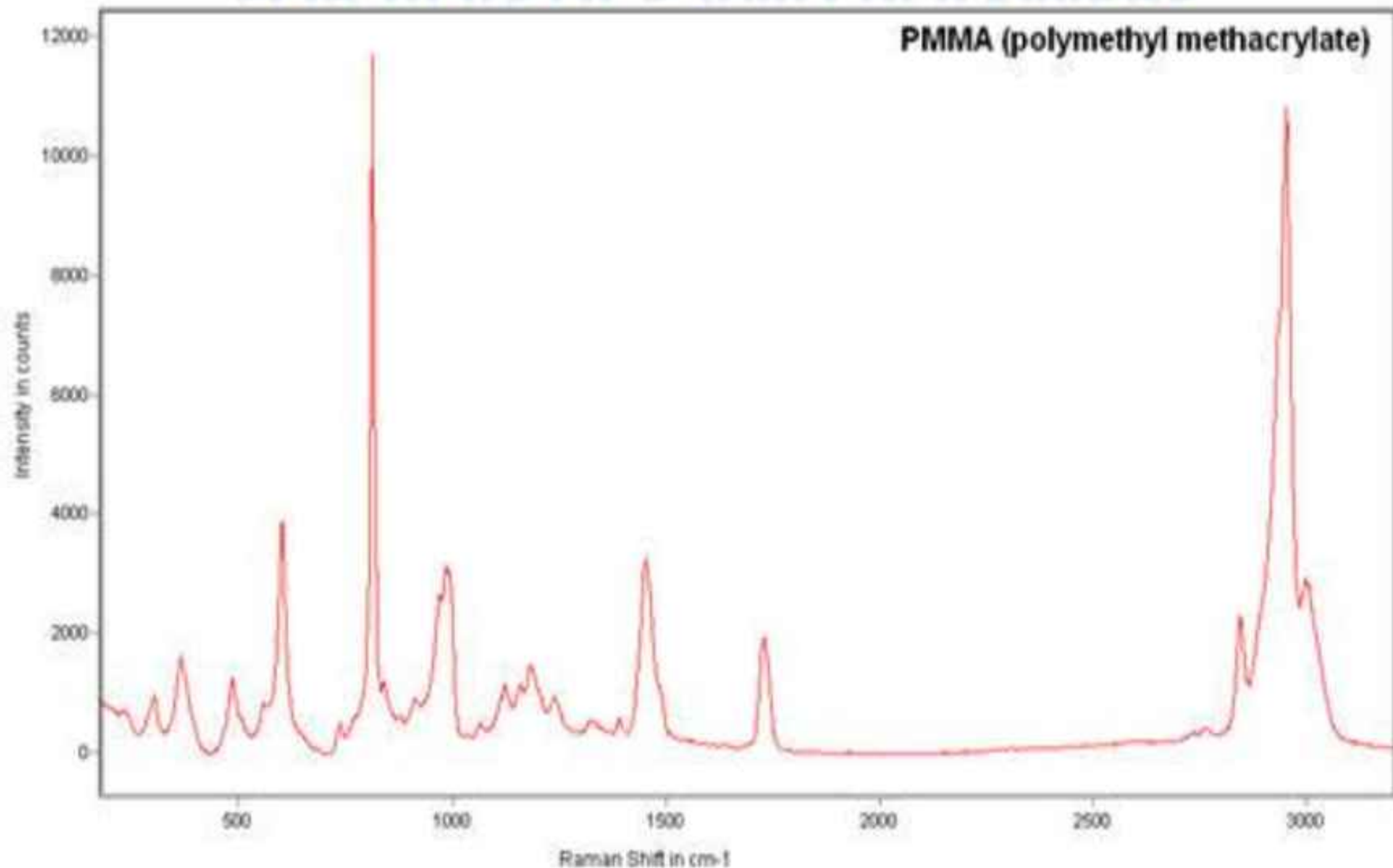
Isopropyl Alcohol



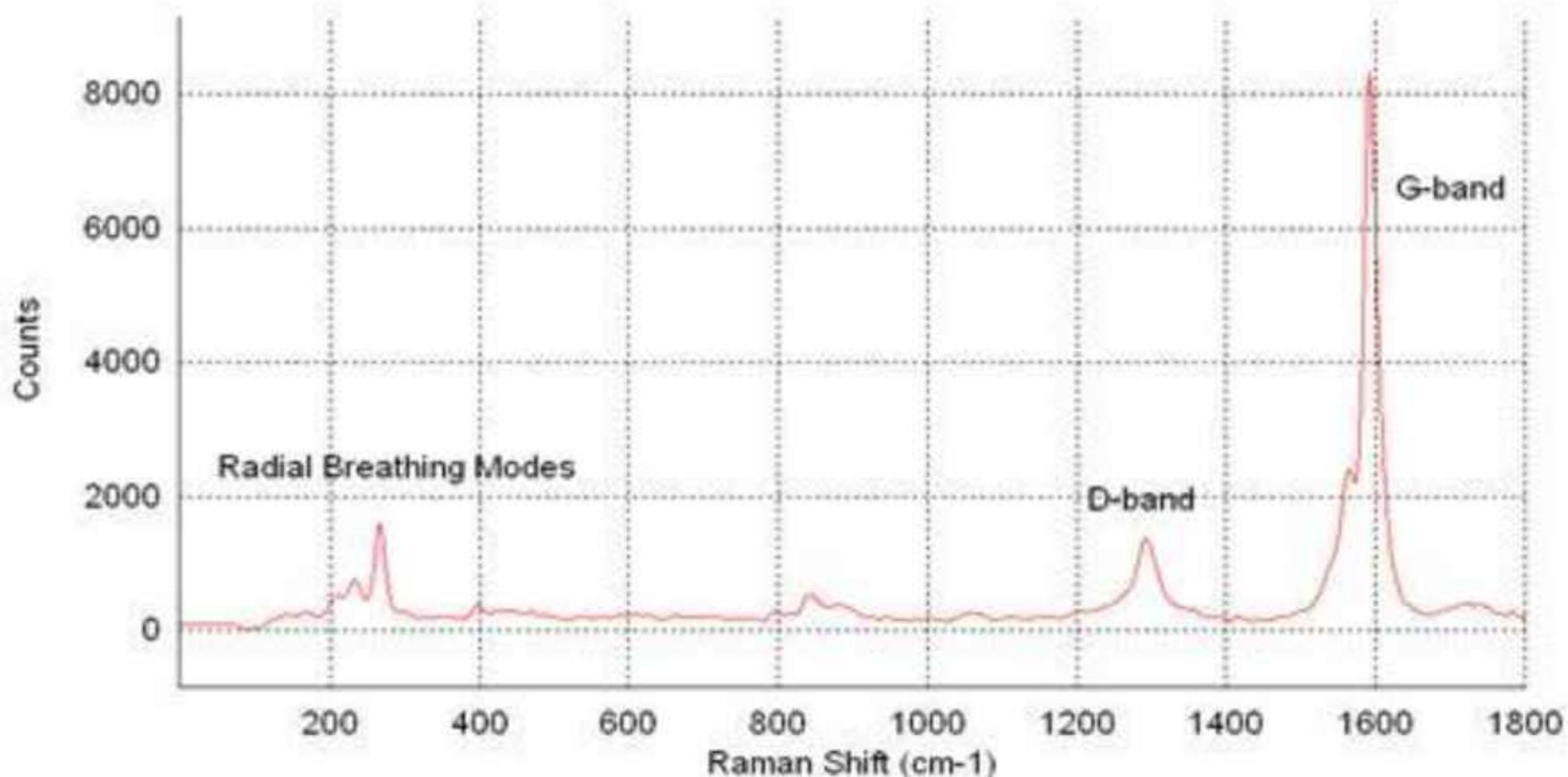
SAMPLE RAMAN SPECTRA FOR AROMATIC COMPOUNDS



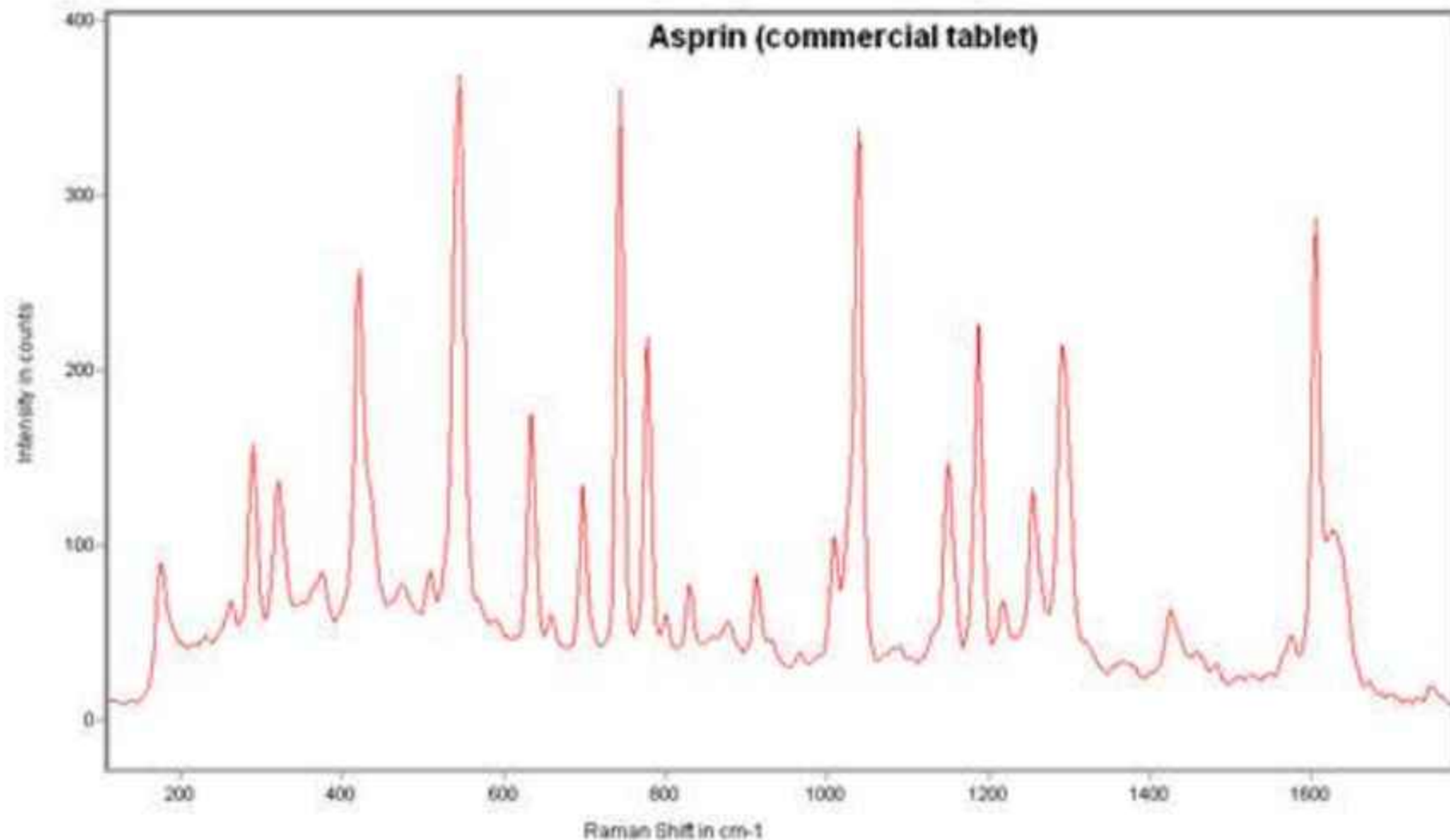
SAMPLE RAMAN SPECTRA FOR PLASTICS AND POLYMERS



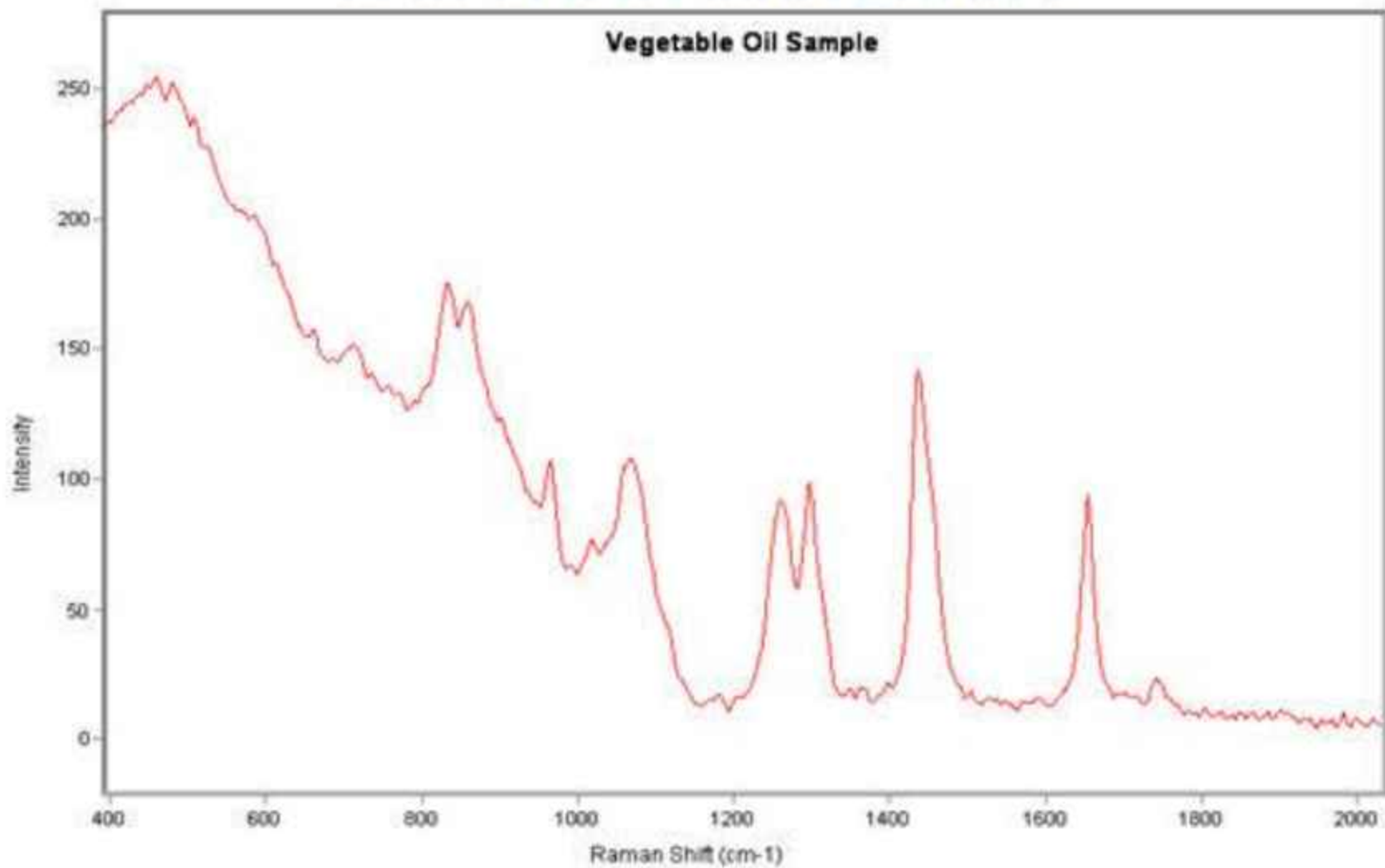
SAMPLE RAMAN SPECTRA FOR CARBON NANOTUBE



SAMPLE RAMAN SPECTRA FOR PHARMACEUTICAL DRUGS



SAMPLE RAMAN SPECTRA FOR FOOD MATERIALS



SYNTHESIS FACILITIES

Muffle furnaces



Hot-Air Oven and UV-degradation unit



RESEARCH FACILITIES

Digital Microbalance and Sonicator



Consumables



Pelletizer



Consumables



Computer with Printer



Micro Balance



Centrifuge Machine



Heater with Magnetic Stirrer

