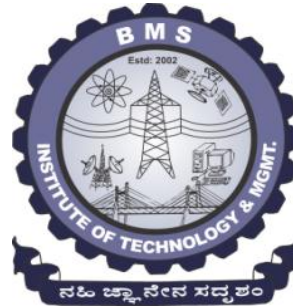


INAUGURAL FUNCTION OF CENTER FOR ADVANCED MATERIAL RESEARCH 11.02.2016















Late. Sri. P. S. NARAYAN
DONOR

Slide 12 of 17

FUME HOOD
Data Power Controls, Bangalore-560001









BMS Institute of Technology & Management
Department of Chemistry

VISION
To aspire, achieve and sustain for excellence in academics.

MISSION
To nurture the young minds and to bring awareness and flair for chemistry by personal attention and good guidance.

BMS Institute of Technology & Management
Malkangaluru - 64
Department of Physics

VISION
To impart sound fundamentals and concepts in physics which helps students to nurture scientific temperament and creativity in the field of engineering.

MISSION
• To provide sound knowledge in applied physics through innovative techniques and scientific experimentation.
• To motivate students to pursue scientific analysis and develop problem solving ability in the field of engineering.

Need Based to Young Students to Research
Sponsored and Supported by
Higher Group on Science and Technology
Department of Science and Technology
Government of Karnataka

Female Transition - Inland P.F.R.















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

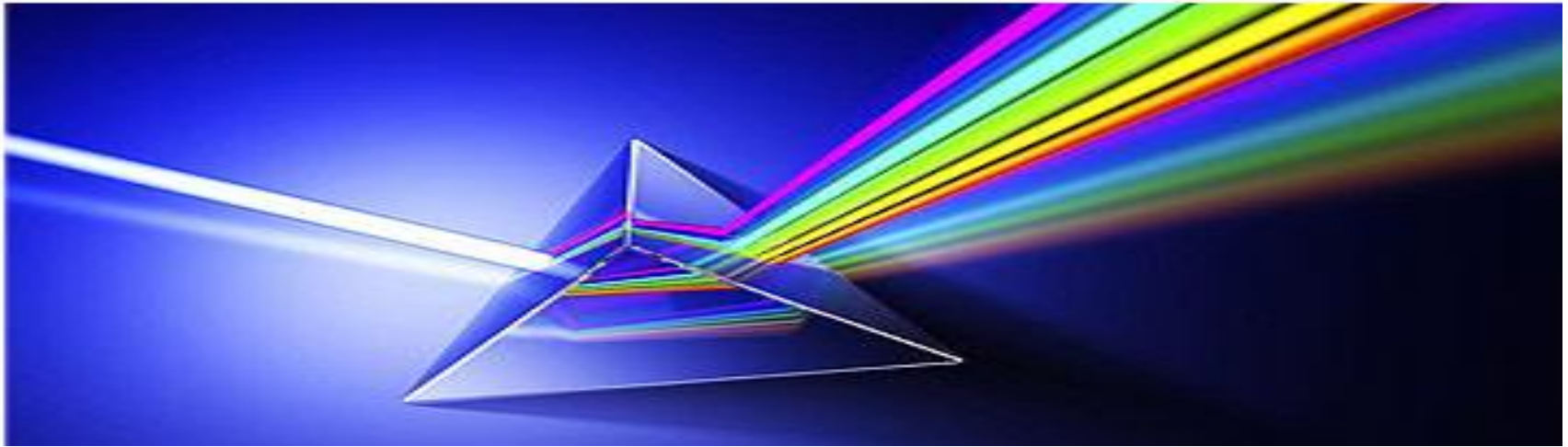


Dr. C. Kavitha, Scientist, Dept. of Chemistry received DST-SERB Young Scientist Research Grant worth Rs. 32 Lakhs



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

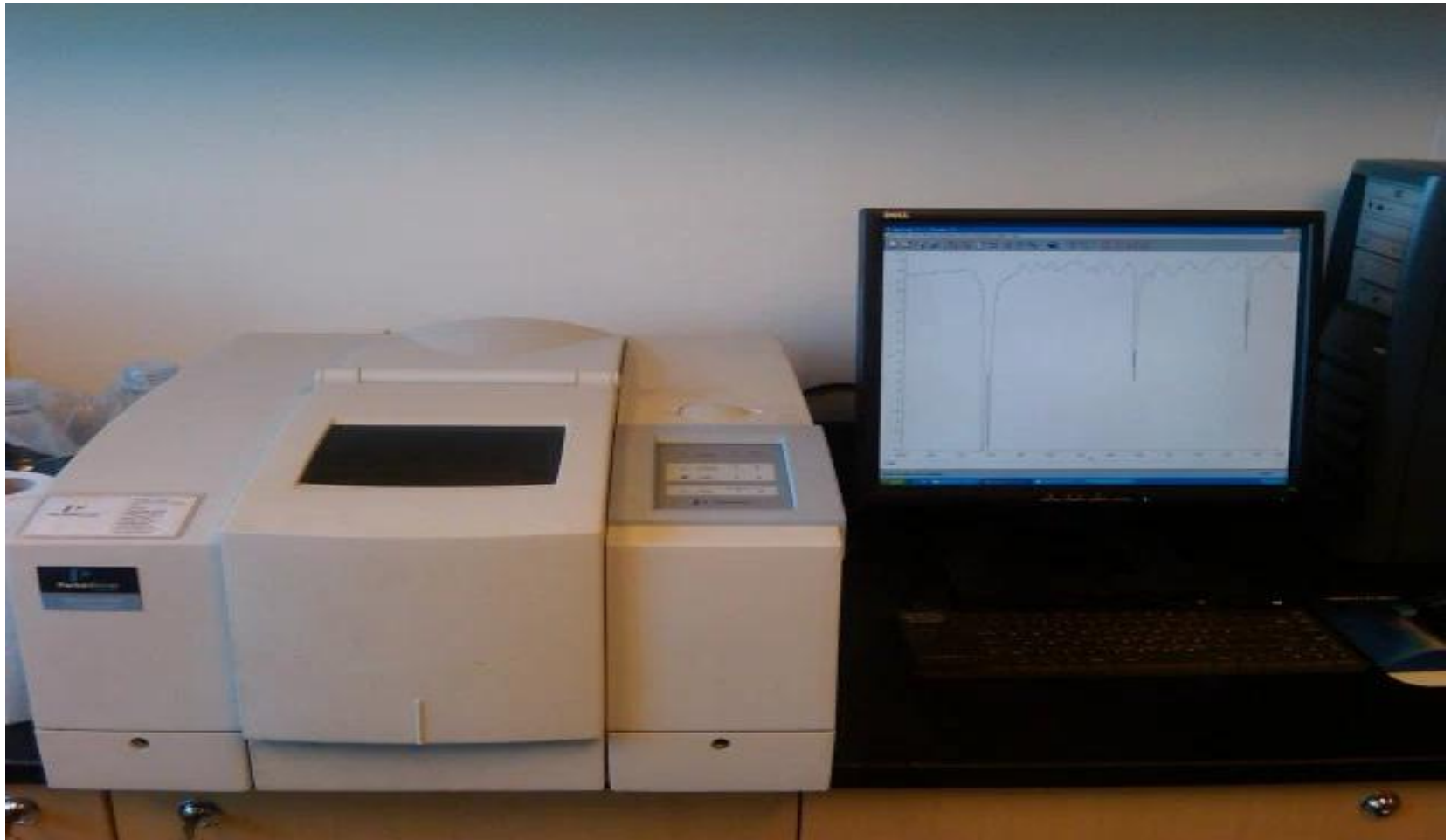
For an academic candidates - 5 samples/hour has to pay Rs. 1000

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.

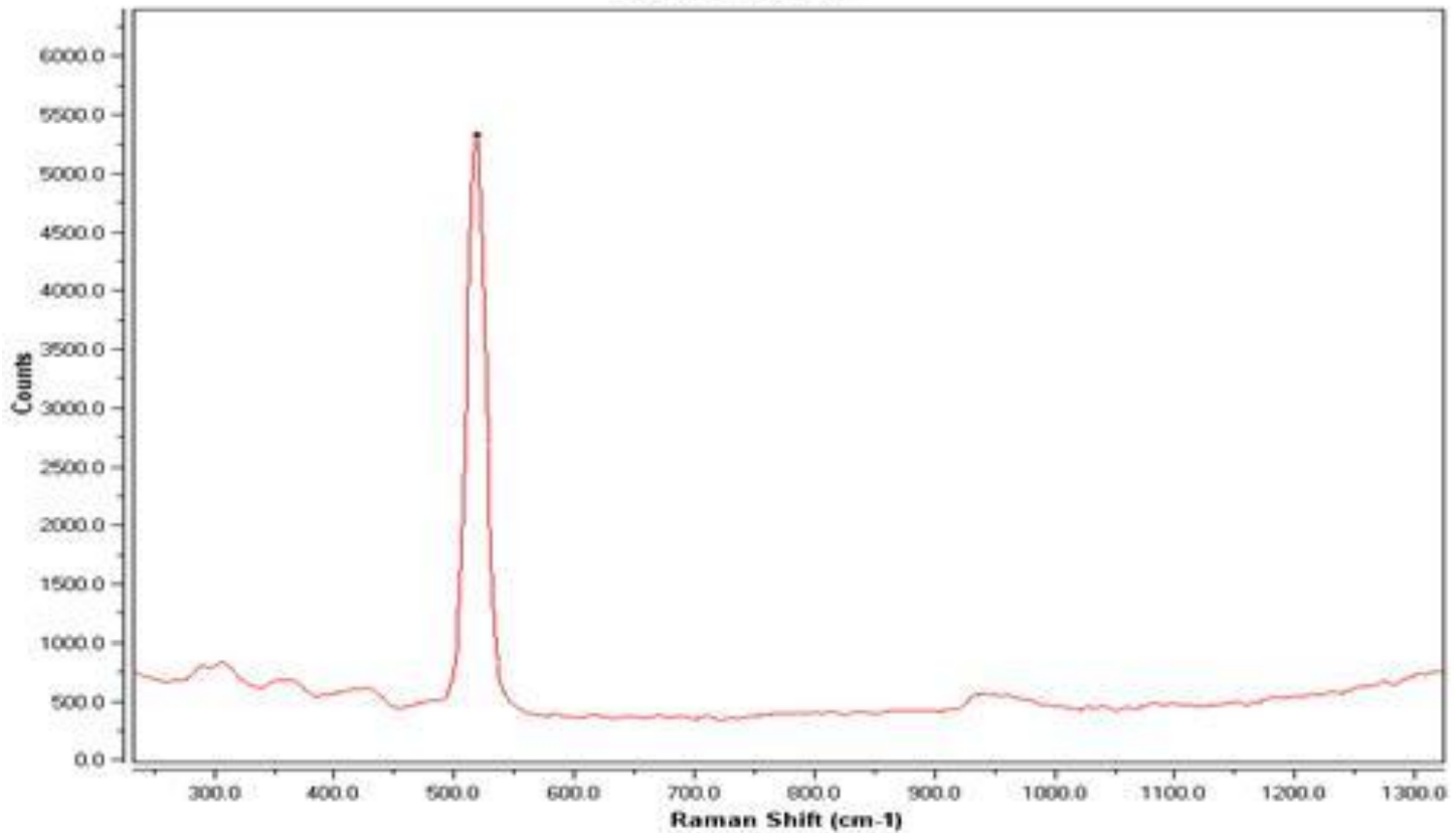
BMSIT faculties are welcome to utilize our research facilities for their Ph.D work in a collaborative manner. Faculties are strictly advised not to bring others sample for Raman characterization.

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



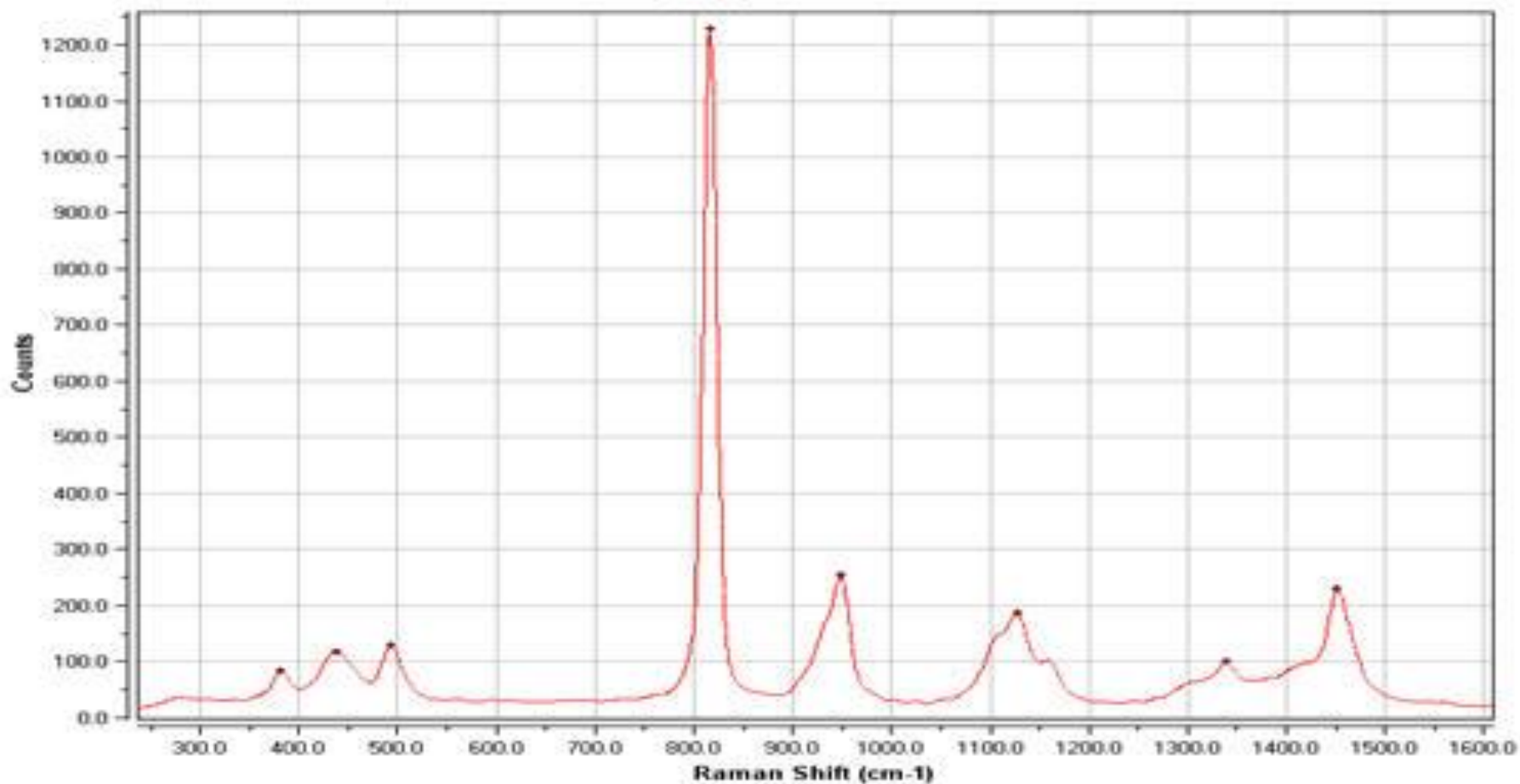
SAMPLE RAMAN SPECTRA FOR SEMICONDUCTOR

Silicon Wafer

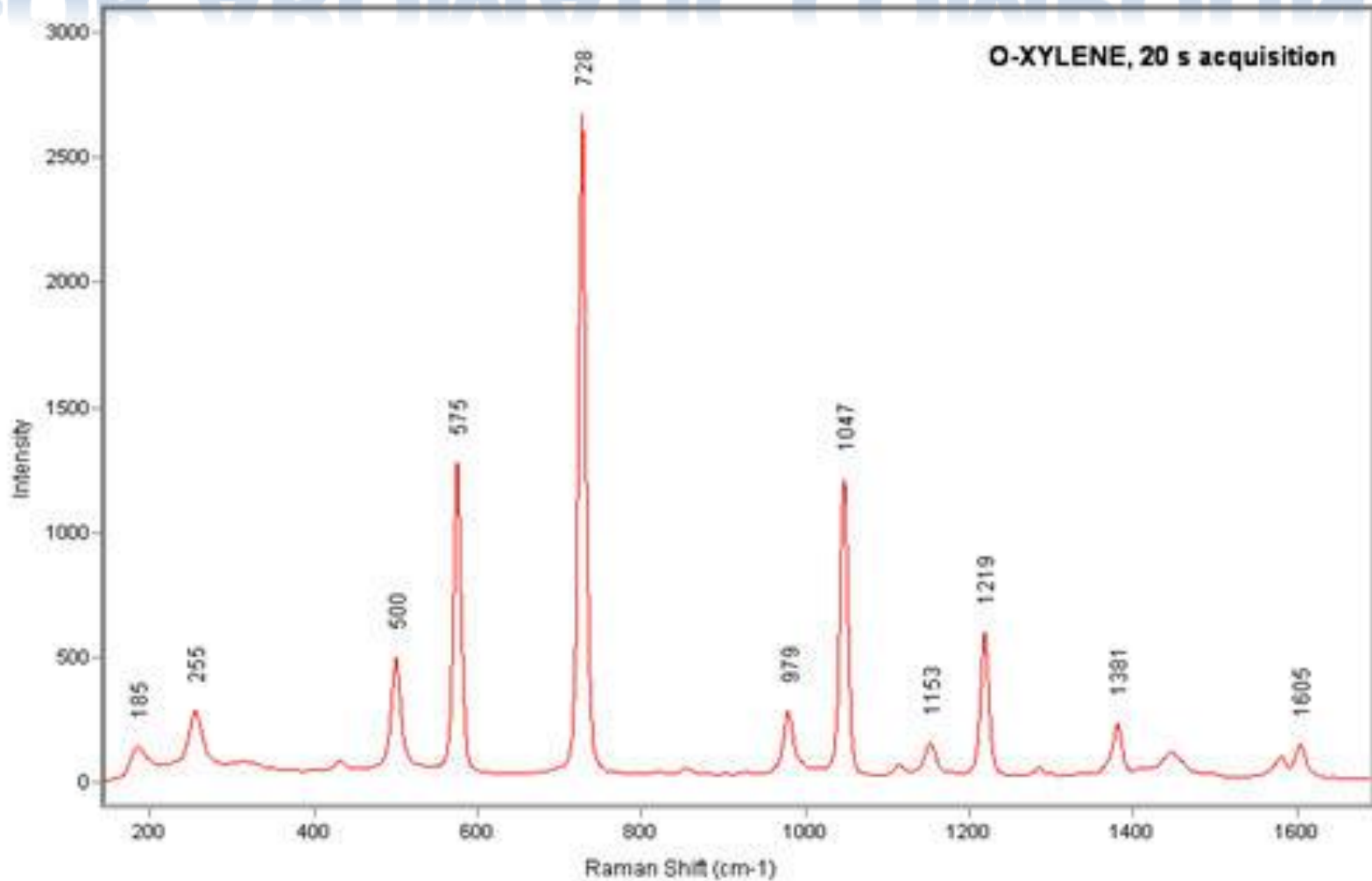


SAMPLE RAMAN SPECTRA FOR CHEMICAL SOLVENTS

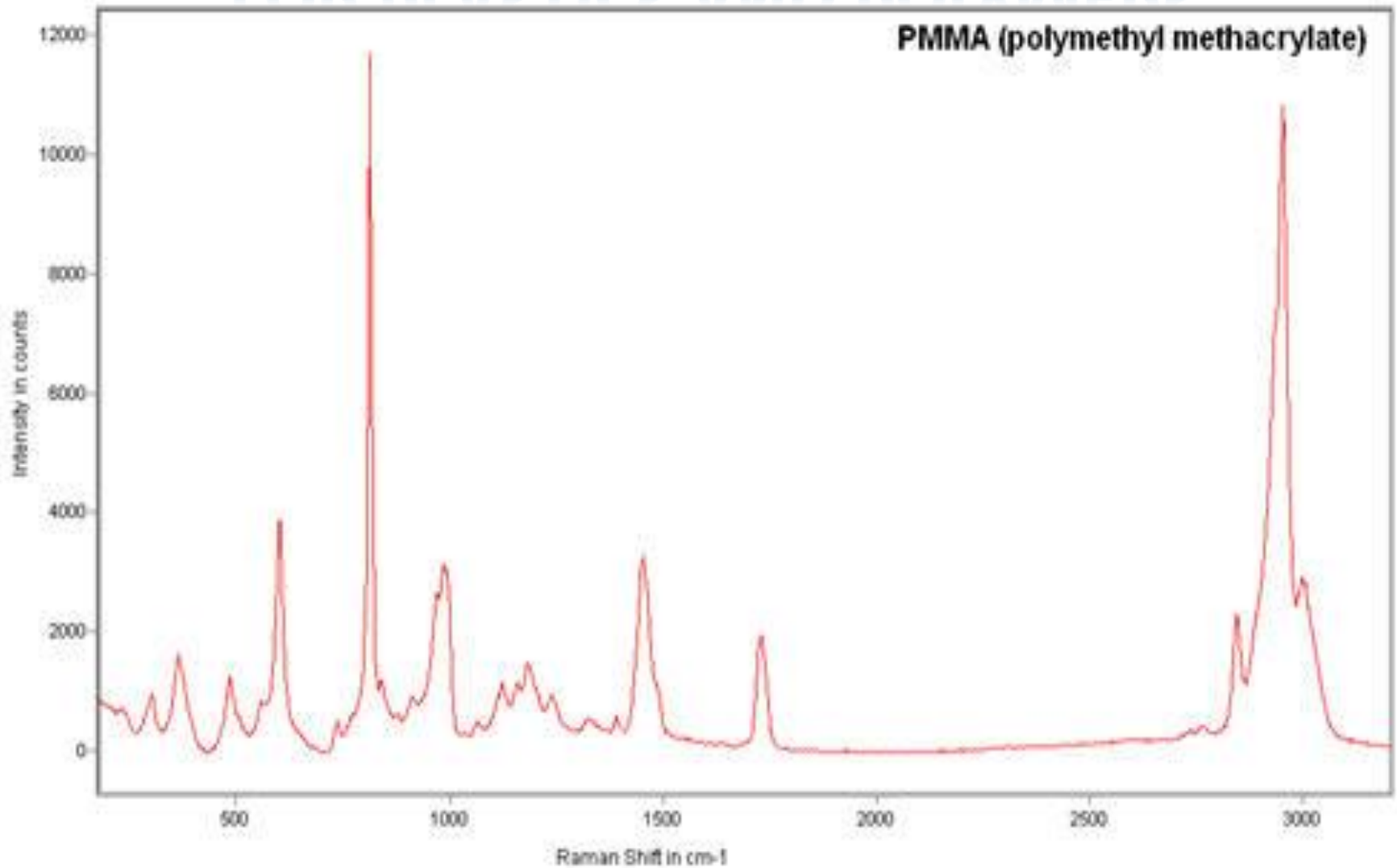
Isopropyl Alcohol



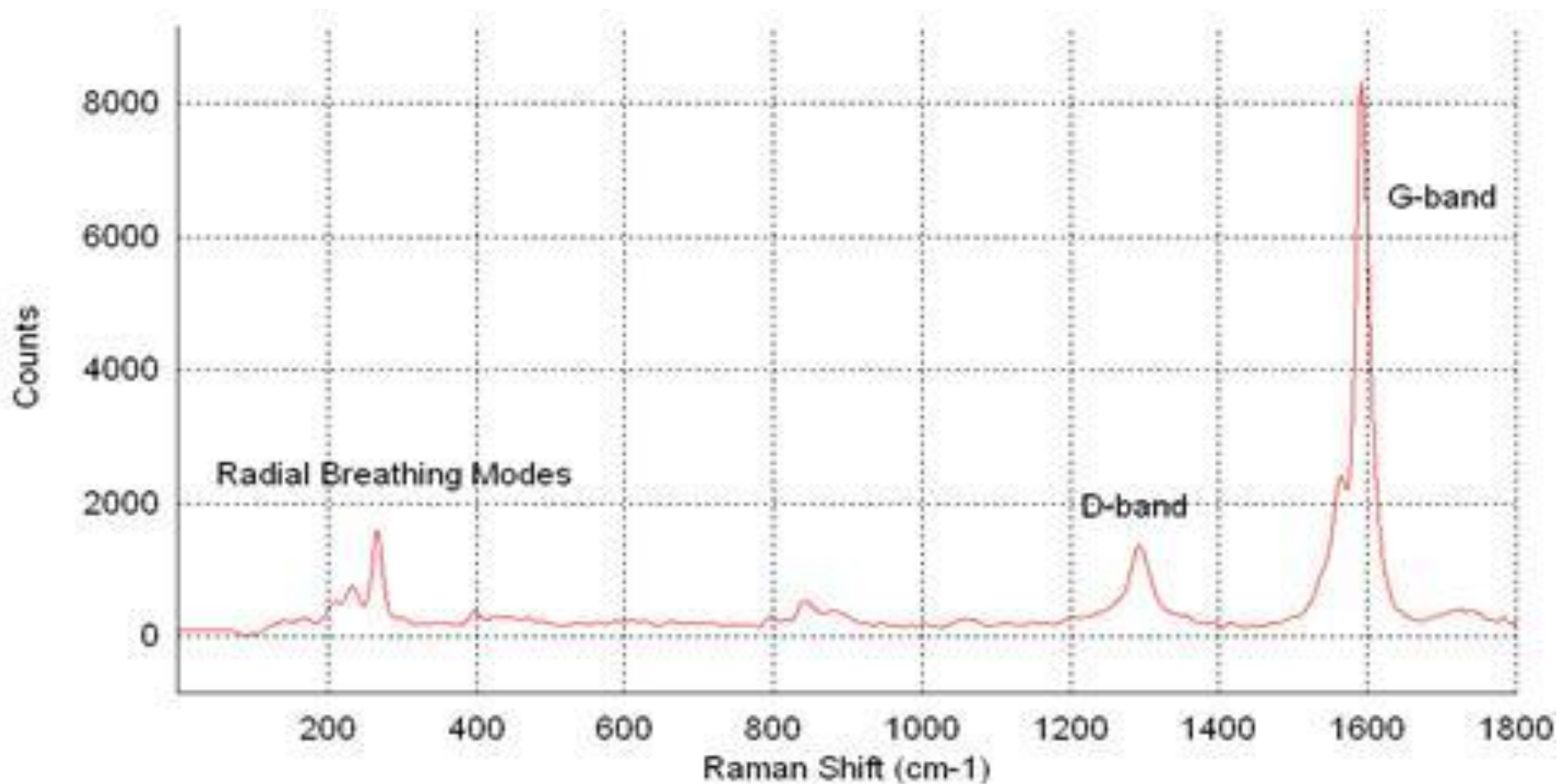
SAMPLE RAMAN SPECTRA FOR AROMATIC COMPOUNDS



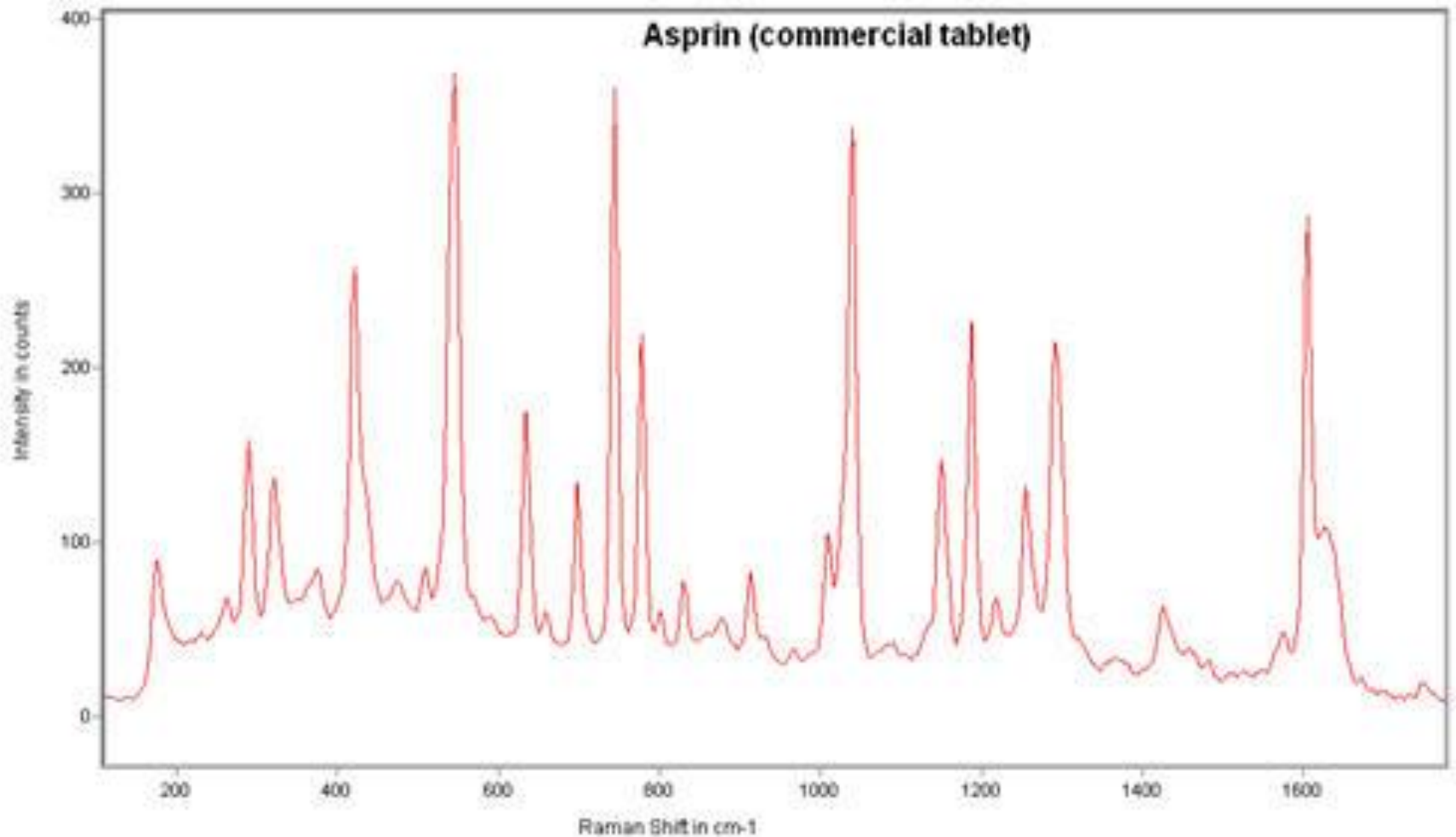
SAMPLE RAMAN SPECTRA FOR PLASTICS AND POLYMERS



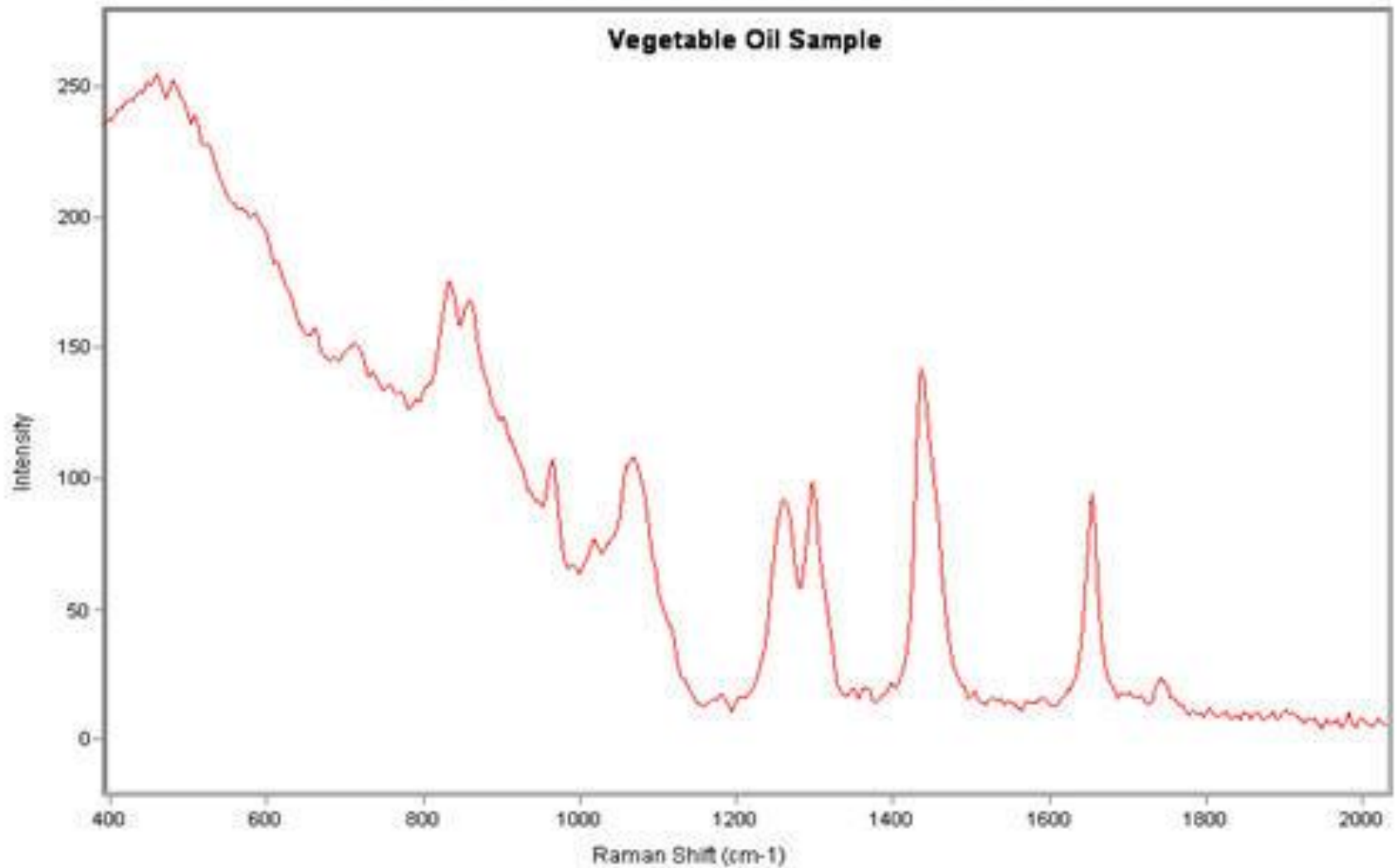
SAMPLE RAMAN SPECTRA FOR CARBON NANOTUBE



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



Muffle Furnace with Fume hood



Hot-Air Oven



Pelletizer



Consumables



Computer with Printer



Micro Balance



Centrifuge Machine



Heater with Magnetic Stirrer

