



**"Historical evolution of infrared microspectroscopy:
fundamentals and applications"**

by Ibraheem Yousef

Beamline responsible of MIRAS, ALBA Synchrotron

Many researchers through the ages have taken up the challenge of finding out "What is Light?". One of the important outputs of these researches has led to the discovery of infrared light during the 19th century. Since then, the infrared light and, in particular, its use in microspectroscopy, has been involved in many multidisciplinary applications.

Fourier transform infrared (FTIR) microspectroscopy, is a valuable tool to identify the chemical composition of materials at the molecular level. The scientific applications of FTIR microspectroscopy are covering a wide range of research fields, including surface and material science, biochemistry, microanalysis, archaeology, geology, cell biology, biomedical diagnostics, environmental science, etc.

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