

Abstract Submitted
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Raman Spectroscopy of Plants DMITRI VORONINE, Texas A&M University — Raman spectroscopy has been used for fast, noninvasive tool for chemical analysis of complex biological systems such as plants. Application of lasers to plant identification and taxonomy offers advantages over traditional methods. Raman spectra provide spectroscopic signatures of plant chemical composition. New applications of portable and lab-based Raman spectroscopy and microscopy of plants will be presented. Advantages and limitations of current instruments will be discussed.

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