


[DOWNLOAD](#)


## Lignin and Lignans: Advances in Chemistry (Hardback)

By -

Taylor Francis Inc, United States, 2010. Hardback. Book Condition: New. New.. 239 x 165 mm. Language: English . Brand New Book. Over the past four decades, there has been immense progress in every area of lignin science, ranging from the enzymology of lignin biodegradation, to the delignification of wood fiber during pulping and bleaching, to advances in spectroscopy. Lignin and Lignans: Advances in Chemistry captures the developments that have been achieved by world-class scientists in the most critical aspects of this burgeoning field. Tools for the characterization of lignin and lignans After an overview of the topic, the book discusses the significance and comparative performances of the most commonly used chemical degradation methods and presents lignin structural information based on the use of these methods. Next, the book explores spectroscopic methods, including UV-visible absorption, fluorescence, Raman, infra red (IR), near-infrared (NIR), nuclear magnetic resonance (NMR), and heteronuclear NMR spectroscopy. It then compares the results of studies of lignin in situ with studies of isolated lignins. Predicting reactivity The authors discuss polymer properties related to thermal stability and molecular motion of lignin in the solid state. They describe applications of electronic structure calculations to the chemistry of lignin, and they explore...



**READ ONLINE**  
[ 5.18 MB ]

### Reviews

*I actually began reading this article book. It is actually filled with wisdom and knowledge I realized this pdf from my i and dad recommended this publication to learn.*

-- **Rhea Toy**

*Most of these pdf is the best ebook offered. It is probably the most remarkable book i actually have study. Your life period will be transform as soon as you complete reading this pdf.*

-- **Albertha Champlin**