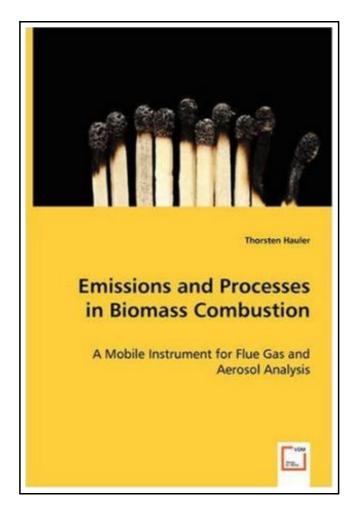
Emissions and Processes in Biomass Combustion



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Reviews

A top quality publication along with the font utilized was exciting to learn. It can be full of wisdom and knowledge Your way of life span will be transform when you comprehensive reading this book. (Sherwood Kshlerin IV)

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Book Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | A Mobile Instrument for Flue Gas and Aerosol Analysis | Biomass combustion for heating or energy generation purposes is a significant source of air pollution. Besides gaseous chemicals, respirable particulate matter makes an important contribution. A comprehensive flue gas analysis is required to estimate health risks emanating from these emissions. For this purpose, a mobile analytical instrument was developed which enabled a combined real-time detection of compounds in both the gas and the particle phase. Infrared laser desorption was used for solid samples. Organic molecules were ionized by means of a tuneable UV laser and detected in a time-of-flight mass spectrometer. The author presents field measurements that were carried out at different incinerators, ranging in size from a domestic stove to an industrial pilot plant. For the first time, combustion processes involving different wood species were observed in real time, and conclusions drawn regarding their dynamic behaviour. Laboratory experiments on wood and environmental samples supplement these results. This book is aimed at scientists working in the area of environmental research and manufacturers as well as operators of biomass combustion facilities. | Format: Paperback | Language/Sprache: english | 310 gr | 224x151x17 mm | 220 pp.



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