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Nota di contenuto	Characterization of Atmospheric Carbonaceous Species in PM10 over Darjeeling, an Eastern Himalayan Region of India -- Establishment of Sound Impedance Tube facility at CSIR-National Physical Laboratory, New Delhi, India -- Timing Accuracy for Internet of Things and Industry 4.0 Applications: Technologies and Research Trends -- Effect of continuous NIR exposure on the absorbance studies of glucose solutions at physiological levels -- Accuracy in Object Detection by using Deep Learning method -- Metrological Controls and Performance studies on a Liquefied Natural Gas Dispenser -- Intermediate checks: Ensure confidence in validity of Measurement results Comparison of Texture, Shape and Combined Feature Vectors for Classification of

Breast Ultrasound Images -- Investigations on Sound absorption properties of perforated designed panels for the selective frequency absorption -- Parametric study of factors affecting Sound Absorption Characteristics of Acoustical materials -- Precise and Secure Time Dissemination through White Rabbit Network based Optical Fibre Link -- Variation of Atmospheric Boundary Layer Height and Application of Forward Selection Technique during Diwali -- Separation of Weak Signals from White Noises using Python-Based Software -- Ozone formation potential of Volatile Organic Compounds during November 2021 at an urban site of Delhi.

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Sommario/riassunto

This book presents the select proceedings of the 11th National Conference on Advances in Metrology (AdMet 2022). The book highlights and discusses the recent technological developments in the areas of fundamental and quantum metrology, physico-mechanical and electrical metrology, time and frequency metrology, materials metrology, industrial and legal metrology, digital transformation in metrology, among others. This book is aimed for those engaged in conformity assessment, quality system management, calibration, and testing in all sectors of industry. The book is a valuable reference for metrologists, scientists, engineers, academicians, and students from research institutes and industrial establishments to explore the future directions and research in the areas of sensors, advance materials, measurements, and quality improvement.

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