

Advanced Environmental Monitoring

[DOWNLOAD HERE](#)

Preface.- - Section 1: Atmospheric Environmental Monitoring (Part I): Air Pollution Monitoring Systems Past Present Future. Radial Plume Mapping: A US EPA test method for area and fugitive source emission monitoring using Optical Remote Sensing. MAX-DOAS Measurements of ClO, SO₂ and NO₂ in the Mid-latitude Coastal Boundary Layer and a Power Plant Plume. Laser based chemical sensor technology: recent advances and applications. Atmospheric Monitoring With Chemical Ionisation Reaction Time-of-Flight Mass Spectrometry (CIR-TOF-MS) and Future Developments: Hadamard Transform Mass Spectrometry. Continuous monitoring and the source identification of carbon dioxide at three sites in Northeast Asia during 2004-2005. Aircraft Measurements of Long-Range Trans-Boundary Air Pollutants over Yellow Sea. Optical remote sensing for characterizing the spatial distribution of stack emissions.- - Section 2: Atmospheric Environmental Monitoring (Part II): Mass Transport of Background Asian Dust Revealed by Balloon-borne Measurement: Dust Particles Transported during Calm Periods by Westerly from Taklamakan Desert. Identifying Atmospheric Aerosols with Polarization Lidar. A Novel Method to Quantify Fugitive Dust Emissions using Optical Remote Sensing. Raman Lidar for Monitoring of Aerosol Pollution in the Free Troposphere. An innovative approach to optical measurement of atmospheric aerosols determination of the size and the complex refractive index of single aerosol particles. Remote sensing of aerosols by sunphotometer and lidar techniques. Retrieval of Particulate Matter from MERIS Observations. Bioaerosol standoff monitoring using intensified range-gated laser-induced fluorescence spectroscopy. MODIS 500500-m² resolution aerosol optical thickness retrieval and its application for air quality monitoring.- - Section 3: Contaminant-Control Process Monitoring: Aquatic colloids: Provenance, characterization and significance to environmental monitoring. Progress in earthworm ecotoxicology. Differentiating Effluent Organic Matter (EfOM) from Natural Organic Matter (NOM): Impact of EfOM on Drinking Water Sources. An advanced monitoring & control system for optimization of the ozone-AOP (Advanced Oxidation Process) for the treatment of drinking water. Monitoring of Dissolved Organic Carbon (DOC) in a Water Treatment Process by UV-Laser Induced Fluorescence.- - Section 4: Biosensors, Bioanalytical and Biomonitoring Systems: Biosensors for

Environmental and Human Health. Biological toxicity testing of heavy metals and environmental samples using fluorescence based oxygen sensing and respirometry. Omics tools for environmental monitoring of chemicals, radiation, and physical stresses in *Saccharomyces cerevisiae*. Gene Expression Characteristics in the Japanese Medaka (*Oryzias latipes*) Liver after Exposure to Endocrine Disrupting Chemicals. Optical Detection of Pathogens Using Protein Chip. Expression analysis of sex-specific and endocrine-disruptors-responsive genes in Japanese medaka, *Oryzias latipes*, using oligonucleotide microarrays. Assessment of the hazard potential of environmental chemicals by quantifying fish behaviour. Biomonitoring studies performed with European eel populations from the estuaries of Minho, Lima and Douro rivers (NW Portugal). In vitro testing of inhalable fly ash at the air liquid interface.- - List of Abbreviations.- Index. EAN/ISBN : 9781402063640 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Kim, Young J. - Platt, Ulrich

[DOWNLOAD HERE](#)

Similar manuals: