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Titolo	Exceptional events guidance: prescribed fire on wildland that may influence ozone and particulate matter concentration
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2. Record Nr.	UNINA9910806193703321
Autore	Cavallo Eugenio
Titolo	15th International Congress on Agricultural Mechanization and Energy in Agriculture : ANKAgEng'2023 // edited by Eugenio Cavallo, Fernando Auat Cheein, Francesco Marinello, Kamil Saçlk, Kasiviswanathan Muthukumarappan, Purushothaman C. Abhilash
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Altri autori (Persone)	Auat CheeinFernando MarinelloFrancesco SaçlkKamil MuthukumarappanKasiviswanathan AbhilashPurushothaman C
Disciplina	628
Soggetti	Environmental engineering Civil engineering Agriculture Industrial engineering Production engineering Renewable energy sources Environmental Civil Engineering Industrial and Production Engineering Renewable Energy
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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Machinery Systems in Agriculture -- Definition of Reference Models for Functional Parameters and Price for Mowers and Mowerconditioners -- Determination of the Effect of the Technical Parameters Which Affect the Tractor Energy Efficiency -- Chopper System for In-line Small Square Balers -- Determination of Suitable Shearing Conditions for Effective Pruning of Tree Branches -- Shear Tests of Grapevine (Vitis

vinifera L.) Canes -- The Effect of Different Tillage Methods on Plant Emergence Parameters for Wheat -- Design Approaches of One-Pass Strip-Till Machines -- Energy Systems in Agriculture -- Coefficient of Dynamic Wall Friction for Hardwood Fuel Pellets -- Mapping Biomass Energy Potential from Agricultural Residues in Tanzania -- Effect of Different Drying Temperatures on CO₂ Emissions in Acorn Drying -- Energy-Based Slow-City/Agriculture Mechanization with Circular Hydrogen and Renewable Energy Systems -- Effect of Different OLR and Mixture Ratios on Biogas Production Using Goat Dung and Maize Silage -- Post-Harvest Technologies and Process Engineering -- Optical Techniques for Automated Evaluation of Seed Damage -- Exploring Transfer Learning for Enhanced Seed Classification: Pre-trained Xception Model -- Classification of Pistachio Varieties Using Pre-trained Architectures and a Proposed Convolutional Neural Network Model -- Evaluation of Hydration State around Glycerol as a Humectant Using Microwave Dielectric Spectroscopy -- Natural Resources and Environmental Systems in Agriculture -- Development of Fertigation System for Hose Reel Irrigation Machines -- Developing a Data-Driven Model for Predicting Water Stress in Pistachio Trees -- Plant, Animal and Facility Systems in Agriculture -- Evaluation of Air Conditioning Parameters in Semi-closed Greenhouses under Turkey's Climatic Conditions -- 1 Introduction -- 2 Materials and Methods -- 3 Results -- 4 Conclusion -- References -- Criteria of Ecological Pressure on Agricultural Systems -- Discharge Coefficients for Adjustable Slot Inlets Used to Ventilate Animal Production Buildings -- Using Composted Cow Manure to Improve Nutrient Content, Aeration Porosity, and Water Retention of Pine Bark-Based Potting Media -- Impact of Building Geometry, Window Types, and Materials on Daylighting Performance of Livestock Buildings -- Estimation of Vitamin A Concentration in Cattle Blood Based on Fluorescence With/Without Blood Cell Separation by Plasma Filter -- Determination of Operating Parameters in Milking Robots with Milk First Cow Traffic -- Fine-Tuning Growth Conditions: Leaf-Level Vapor Pressure Deficit Control for Optimized Photosynthesis -- Investigation of the Compliance of the Milking Routine and the Pulsator's Working Characteristics to Them Milking Technique in the Bozanönü District of Isparta Province -- Information Technologies, Sensors and Control Systems in Agriculture -- Comparison and Evaluation of Vegetation Indices for Image Sensing Systems in Precision Agriculture -- Implementation and Assessment of an Autonomous Ground Vehicle (AGV) for On-Field Agricultural Operations -- Autonomous Ground Vehicle for Field Activities: Preliminary Sustainability Assessments -- Estimating Tall Fescue and Alfalfa Forage Biomass Using an Unmanned Ground Vehicle -- Combining Digital Image Processing and Machine Learning is Useful for the Early Detection of Salinity and Drought Stresses in Cucumber

Sommario/riassunto

This volume highlights the latest advances, innovations, and applications in the field of agricultural technologies engineering, as presented by leading international researchers and engineers at the 15th International Congress on Agricultural Mechanization and Energy in Agriculture (ANKAgEng), held in Antalya, Turkey on October 29 – November 1, 2022. It covers a diverse range of topics such as machinery and energy systems, agriculture information technologies, digital-smart agriculture, ergonomics, health & safety, system engineering, post-harvest technologies & process engineering, sustainable agriculture, natural resources & environmental systems, plant, animal & facility systems, agricultural engineering education and biosystems engineering. The contributions, which were selected by

means of a rigorous international peer-review process, present a wealth of exciting ideas that will open novel research directions andfoster multidisciplinary collaboration among different specialists.

3. Record Nr.

Autore

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Titolo

El-Othmani Mouhanad M.
Sports Medicine and Musculoskeletal Ultrasound : A Pocket Guide / / by
Mouhanad M. El-Othmani, Henry T. Goitz, J. Antonio Bouffard

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Soggetti

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Nota di contenuto

General Overview of Musculoskeletal Ultrasound -- Ultrasound of the Shoulder -- Ultrasound of the Elbow -- Ultrasound of the Hands and Wrist -- Ultrasound of the Hip -- Ultrasound of the Knee -- Ultrasound of the Foot and Ankle.

Sommario/riassunto

Ideal for all practitioners of musculoskeletal medicine, this practical pocket guide provides a standardized approach, through detailed checklists and protocols, for a complete ultrasonographic examination of the musculoskeletal system to assist in the diagnosis and management of orthopedic and sports medicine pathologies. As the trend in the US healthcare system continues to move towards optimizing value in care delivery, the utilization of ultrasound has been in the spotlight as a cost-efficient and accurate diagnostic

modality for musculoskeletal pathology. Ultrasound assessment remains user-dependent, and multiple pathologies can often be overlooked due to the lack of a standardized approach to assess a specific joint or anatomic structure. To address this challenge, this user-friendly text presents a quick, accessible, and structured approach for a complete sonographic examination. After a general overview of the use of ultrasound in musculoskeletal medicine, each chapter proceeds anatomically and includes a detailed, step-by-step approach to the ultrasound diagnostic assessment, covering all major joints and pathologies of clinical importance: shoulder, elbow, hand and wrist, hip, knee, and foot and ankle. Plentiful images support this stepwise approach, covering the entire spectrum from patient positioning to ultrasound findings and appearance. Students, residents, and fellows in orthopedics and sports medicine will find this text especially valuable, however all healthcare providers dealing with the diagnosis and management of musculoskeletal conditions will benefit from its clear and concise approach.
