

1. Record Nr.	UNINA9910429760503321
Titolo	Galassia Ariosto : il modello editoriale dell'Orlando furioso dal libro illustrato al web / a cura di Lina Bolzoni
Pubbl/distr/stampa	Roma, : Donzelli, 2017
ISBN	978-88-6843-680-3
Descrizione fisica	XV, 459 p., [8] carte di tav. : ill. ; 22 cm
Collana	Saggi. Arti e lettere
Disciplina	851.3
Locazione	FSPBC
Collocazione	IX A 1554
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Atti del Convegno tenuto a Pisa nel 2016

2. Record Nr.	UNINA9910886064203321
Titolo	Safety, Health and Welfare in Agriculture and Agro-Food Systems : Ragusa SHWA 2023 // edited by Remigio Berruto, Marcello Biocca, Eugenio Cavallo, Massimo Cecchini, Sabina Failla, Elio Romano
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031635045 3031635043
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (0 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 521
Disciplina	338.10289
Soggetti	Agricultural biotechnology Food - Safety measures Environmental engineering Civil engineering Forests and forestry Agricultural Biotechnology Food Safety Environmental Civil Engineering Forestry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Noise, Vibration, Dust -- Inhalable Wood Dust Produced During Chainsaw Operations -- 1 Introduction -- 2 Material and Methods -- 3 Results and Discussion -- 4 Conclusions -- References -- Evaluation of Noise Emissions and Cutting Performance of Chainsaws for Small Scale Forestry Operations -- 1 Introduction -- 2 Materials and Methods -- 3 Results and Discussion -- 4 Conclusions -- References -- Assessment of Hand-Arm Vibrations of Chainsaws for Urban Trees Maintenance -- 1 Introduction -- 2 Material and Methods -- 3 Results and Discussion -- 4 Conclusions -- References -- Frequency Analysis from Electric Portable Harvesters for Olives -- 1 Introduction -- 2 Material and Methods -- 2.1 The Hand-Held Harvesters -- 2.2 The

Experimental Activity -- 2.3 Signal Analysis and Data Processing -- 3  
Results and Discussion -- 4 Conclusion -- References -- Investigation  
on the Applicability of an Active Noise Control System in the Tractor  
Cabin Under Controlled Workload Conditions -- 1 Introduction -- 2  
Materials and Methods -- 2.1 Tractor and Test Bench -- 2.2 The Active  
Noise Control System -- 2.3 Phonometric Instrumental Chain -- 3  
Results -- 4 Conclusions -- References -- Whole Body Vibration  
Transmission to the Human Rachis in Agricultural Tractors -- 1  
Introduction -- 1.1 Vibrations -- 1.2 Objectives -- 2 Materials  
and Methods -- 2.1 Tested Vehicle -- 2.2 The Test Track -- 2.3  
Operative Conditions -- 2.4 The Vibration Measurement and Analysis  
System -- 3 Results and Discussions -- 4 Conclusions -- References  
-- Application of ANN for the Identification of Discriminating Variables  
by Noise Analysis on Portable Motorised Equipment -- 1 Introduction  
-- 2 Materials and Methods -- 2.1 Description Neural Network -- 3  
Results and Discussion -- 3.1 Results Neural Network -- 4 Limitation  
-- 5 Conclusion.  
References -- Occupational Health -- A Survey for the Introduction  
of New Parameters for the Assessment of Work-Related Stress  
in Agriculture -- 1 Introduction -- 2 Materials and Methods -- 3  
Results -- 4 Conclusion -- References -- Lights and Shadows  
of Agricultural Workplace Safety Legislation in the Main EU Member  
States -- 1 Introduction -- 2 Materials and Methods -- 2.1 Statistical  
Part -- 2.2 Legislative Part -- 3 Results -- 3.1 Statistical Part -- 3.2  
Legislative Part -- 3.3 Spain -- 3.4 France -- 3.5 Italy -- 3.6 Germany  
-- 4 Discussion -- 5 Conclusions -- References -- Work-Related  
Injuries and Illnesses Among Food Services Workers: A Literature  
Review -- 1 Introduction -- 2 Methodology -- 3 Results -- 4  
Conclusions -- References -- Work Safety Issues in Non-professional  
Vegetables Gardens -- 1 Introduction -- 2 Methods -- 3 Results -- 4  
Conclusions -- References -- Impacts of Crops and Livestock  
Productions -- Beet Sowing Seed Production: Environmental  
and Economic Aspects in Irrigation System - Some Insights -- 1  
Introduction -- 2 Material and Methods -- 2.1 Irrigation Systems -- 2.2  
Life Cycle Assessment and Life Cycle Costing -- 3 Results  
and Discussions -- 3.1 Meteorological Data -- 3.2 Irrigation Systems  
-- 3.3 LCA-LCC -- 4 Conclusion -- References -- Quinoa Cultivation  
in Italy: Some Insights in Seed Production -- 1 Introduction -- 2  
Materials and Methods -- 2.1 Agronomic Management -- 2.2 The  
Harvest Combine Setting and Harvesting Losses -- 2.3 Economic  
and Environmental Aspects -- 2.4 Statistical Analysis -- 3 Results  
and Discussions -- 3.1 Agronomic Issues -- 3.2 Different Combine  
Setting for the Mechanical Harvesting -- 3.3 Economic  
and Environmental Issues -- 3.4 Discussion -- 4 Conclusions  
and Perspectives -- References -- Rops and Stability Research.  
An Evaluation of Operator Perception in Manual Handling of Front  
Foldable Rollover Protective Structures Mounted in Narrow-Track  
Tractors -- 1 Introduction -- 2 Materials and Methods -- 2.1 Data  
Analysis -- 3 Results -- 3.1 ROPS Manual Handling: Discomfort  
Perceived -- 3.2 ROPS Manual Handling Procedure -- 4 Conclusions --  
References -- Experimental Validation of the Influence of Obstacles  
on Tractor Rollover Stability -- 1 Introduction -- 2 Material  
and Methods -- 2.1 Stability Test-Rig -- 2.2 Obstacles Configuration  
-- 2.3 Rollover Stability Model -- 2.4 Experimental Stability Test -- 3  
Results -- 4 Conclusions -- References -- Survey on the Stability  
of Tractor-Implement Combination on Increasing Slopes -- 1  
Introduction -- 2 Materials and Method -- 3 Results and Discussion --  
4 Conclusions -- References -- Compact Tractor 4.0: An Investigation

for the Development of a Low-Profile Full Electric Specialized Tractor --

1 Introduction and Objectives -- 1.1 Tractor Overturning in Agriculture -- 1.2 Agricultural Machinery Electrification -- 1.3 Objectives -- 2 Materials and Methods -- 2.1 PTO Power Requirements -- 2.2 Traction Power Requirements -- 3 Results -- 3.1 PTO Power Requirements -- 3.2 Traction Power Requirements -- 4 Conclusions -- References -- Applicability to Narrow-Track Tractors of an Official Standard for the Calculation of Self-propelled Agricultural Machines Stability -- 1 Introduction -- 2 Materials and Method -- 2.1 Terms and Definitions -- 2.2 The Tested Tractors -- 2.3 The Tilting Platform -- 2.4 Test Method -- 3 Results -- 4 Discussion and Conclusions -- References -- An Assisted Folding Rear Rollbar for Agricultural Tractors: The QROPS -- 1 Introduction -- 2 Materials and Method -- 2.1 Structure Design -- 2.2 Electric Linear Actuator -- 2.3 The Prototype -- 3 Results and Discussion -- 4 Conclusions -- References.

Semi-quantitative Risk Assessment Framework for Tractor Rollover Prevention Systems Based on the Functional Resonance Analysis Method (FRAM) -- 1 Introduction -- 2 Materials and Methods -- 2.1 The CAST Accident Analysis Method -- 2.2 FRAM Model -- 2.3 Working Modes as Indicators for Semi-quantitative Risk Analysis -- 3 Results -- 3.1 CAST Analysis -- 3.2 FRAM Models -- 4 Limitation -- 5 Conclusion -- References -- Machine Milking, Animal Welfare, Sustainable Livestock Farming -- Ammonia and GHG Emission Rates from Traditional and Vegetable Crops' Litter: First Results in Reusing Vegetal By-Products and Probiotics in the Pet Industry -- 1 Introduction -- 2 Materials and Methods -- 2.1 Samples Collection -- 2.2 Static Chamber Method -- 2.3 Emission Factors Calculations -- 2.4 Odor Score -- 2.5 Statistical Analysis -- 3 Results and Discussion -- 4 Conclusions -- References -- Relationship Between Bees Activity Level with Their Load of Lead, Cadmium and Selenium and Climatic Conditions of the Sites -- 1 Introduction -- 2 Materials and Methods -- 2.1 Locations of the Experimental Study -- 2.2 The Hives Monitoring System -- 2.3 Bees Collection -- 2.4 Heavy Metals, Metalloids, and Other Elements Detection -- 2.5 Statistical Analysis -- 3 Results and Discussion -- References -- Vertical Profile of Noxious Gas Concentrations in an Open Dairy Barn in Mediterranean Area -- 1 Introduction -- 2 Materials and Methods -- 2.1 Barn Description and Management -- 2.2 Measurement Set up -- 2.3 Data Analysis -- 3 Results and Discussion -- 4 Discussion -- 5 Conclusion -- References -- An Innovative Indoor and Controlled Sustainable Snail Breeding System -- 1 Introduction -- 1.1 Historical Notes and the Snail Market -- 1.2 Objectives -- 1.3 Main Snail Species Bred -- 2 Materials and Methods -- 2.1 Snail Farming Systems -- 2.2 Snail Outdoor Breeding. -- 2.3 Snail Indoor Breeding -- 2.4 Experimental and Innovative Farming System with Stackable Modular Cell (SMC) -- 2.5 Stackable Modular Cell (SMC) System Description -- 3 Results -- 3.1 Stackable Modular Cell (SMC) Breeding System Advantages Compared to Traditional Farming Systems -- 4 Discussion -- 4.1 Stackable Modular Cell (SMC) Breeding System Innovation -- 4.2 Snail Slime -- 5 Conclusions -- References -- Monitoring Milking Process Variation Using Model Driven Multivariate Control Charts (MDMVCC) -- 1 Introduction -- 2 Materials and Methods -- 2.1 Data Collection -- 2.2 Model Driven Multivariate Control Chart -- 3 Results and Discussion -- 4 Conclusions -- References -- Efficient Use of Artificial Lighting and Intensive Use of Natural Light in Milking Parlours: Preliminary Results of the MUNGILUX Project -- 1 Introduction -- 2 Materials and Methods -- 3 Results and Discussion -- 4 Conclusion -- References --

Agriculture 4.0, Automation, Remote Control, Robot and Innovative Vehicle -- Is It Possible to Do a Reliable Assessment of Bergamot Colour in the Field with a Smartphone Camera? -- 1 Introduction -- 2 Material and Methods -- 2.1 Colour Assessment Comparing Mobile Camera and Conventional Instrumental Colour Analysis -- 3 Results and Conclusive Considerations -- References -- Comparing the Performance of Traditional and Autonomous Tractors in Maize Sowing: An Overall Evaluation of Agricultural Robot Adoption -- 1 Introduction -- 1.1 Objectives -- 2 Materials and Methods -- 2.1 Study Site -- 2.2 Experimental Design and Vehicle Characteristics -- 2.3 Working and Turning Times -- 2.4 Model to Assess the Power Required in Relation to the Covered Area -- 3 Results and Discussion -- 4 Conclusions -- References -- Preliminary Design and Analysis of a Modular Autonomous Mobile Robot for Vineyard Operations -- 1 Introduction -- 2 State of the Art. 3 Requirements and Design Boundaries.

---

### Sommario/riassunto

This book gathers the latest advances, innovations, and applications in the fields of agricultural biotechnology, agro-food systems and forestry, as presented by leading international researchers and engineers at the 7th International Conference on Safety, Health and Welfare in Agriculture and Agro-food Systems (SHWA), held in Ragusa, Italy, on September 6–9, 2023. The papers cover a range of topics such as agricultural assistive technologies, machine milking, animal welfare, sustainable livestock farming, work organization and logistic in agro-food supply chain, agricultural instrumentation and equipment, safety and health in building, agriculture 4.0, automation, occupational health, precision farming, effect of landscapes on human health, environmental safety, rural health, agricultural machinery, ROPS, augmented reality and IoT, cyber security. The contributions included in the book were selected by means of a rigorous peer-review process and offer an extensive and multidisciplinary overview of interesting solutions in the field of sustainable agriculture.

---