

1. Record Nr.	UNINA9910483952303321
Titolo	New Developments of IT, IoT and ICT Applied to Agriculture [[electronic resource]] : Proceedings of ICAIT 2019 / / edited by Kazumi Nakamatsu, Roumen Kountchev, Ari Aharari, Nashwa El-Bendary, Bin Hu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2021
ISBN	981-15-5073-5
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (251 pages)
Collana	Smart Innovation, Systems and Technologies, , 2190-3018 ; ; 183
Disciplina	338.10285
Soggetti	Computational intelligence Application software Electrical engineering Agriculture Computational Intelligence Information Systems Applications (incl. Internet) Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Vegetable Distribution System using Machine Learning Approach -- A Purpose of a Smart Vegetable Garden Model Based on Paraconsistent Annotated Evidential Logic E -- Paraconsistent Artificial Neural Network Applied to Agribusiness -- Research and Design on an Automatic Control System Using in Antarctic Greenhouse -- Design of Microwave Triple Frequency Multimeter Based on Multilayer MoS2 -- Correlation Research on the Structure of the Apple Tree Vigor and its Fruit Quality -- Real-Time Data Transmission Design of Unmanned Aerial Vehicle Gamma Spectrometer -- 0.8GHz Low Noise Amplifier Design -- Optimization Analysis of Laying Length of Thin Wall Micro-Spray Belt under Different Slope Conditions -- L-Band Ultra-Wideband Low Noise Amplifier Design.
Sommario/riassunto	The proceedings publishes new research results of scholars from the First International Conference on Agriculture and Information (ICAIT2019) organized by IRNet International Academic Communication Center, held during November 22-24, 2019. The book covers works

from active researchers who are working on collaboration of agriculture and various information technologies such as ICT (Information and Communication Technologies) applicable/applied to agricultural produce, manufacturing preservation and distribution of agricultural products, etc. The book focuses on theory, design, development, testing and evaluation of all information technologies applicable/applied to various parts of agriculture and its infrastructure. The topics included are information technologies applicable to smart agriculture, intelligent information systems for smart farm systems, web-based intelligent information systems on agriculture, ICT-based marketing of agricultural products, agricultural product consumption network systems, IoT for agricultural produce and products, soft computing theories, intelligent management for agriculture, data science techniques for agriculture.
