1. Record Nr. UNISALENTO991003272299707536

Autore	Dvalishvili, B. P.
Titolo	Bitopological spaces [e-book] : theory, relations with generalized algebraic structures, and applications / B.P. Dvalishvili
Pubbl/distr/stampa	Amsterdam ; Boston : Elsevier, c2005
ISBN	9780444517937 0444517936
Descrizione fisica	xiii, 415 p. ; 25 cm
Collana	North-Holland mathematics studies ; 199
Disciplina	514.32
Soggetti	Topological spaces Topology Metric spaces
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 321-332) and index
Nota di contenuto	Preface ; Chapter 0: Preliminaries ; Chapter I: Different Families of Sets in Bitopological Spaces ; Chapter II: Different Relations between Two Topologies on a Set and Bitopological Insertions ; Chapter III: Dimension of Bitopological Spaces ; Chapter IV: Baire-Like Properties of Bitopological Spaces ; Chapter V: Dynamics of Bitopological Relations, Baire-Like Properties and Dimensions ; Chapter VI: Generalized Boolean Algebras and Related Problems. Representation Theorems ; Chapter VII: Applications of Bitopologies ; Bibliography ; List of Special Symbols and Notations ; Index
Sommario/riassunto	This monograph is the first and an initial introduction to the theory of bitopological spaces and its applications. In particular, different families of subsets of bitopological spaces are introduced and various relations between two topologies are analyzed on one and the same set; the theory of dimension of bitopological spaces and the theory of Baire bitopological spaces are constructed, and various classes of mappings of bitopological spaces are studied. The previously known results as well the results obtained in this monograph are applied in analysis, potential theory, general topology, and theory of ordered topological spaces. Moreover, a high level of modern knowledge of bitopological spaces theory has made it possible to introduce and study

	algebra of new type, the corresponding representation of which brings one to the special class of bitopological spaces. It is beyond any doubt that in the nearest future the areas of essential applications will be the theories of linear topological spaces and topological groups, algebraic and differential topologies, the homotopy theory, not to mention other fundamental areas of modern mathematics such as geometry, mathematical logic, the probability theory and many other areas, including those of applied nature. Key Features: - First monograph is "Generalized Lattices" * The first introduction to the theory of bitopological spaces and its applications.

2.	Record Nr.	UNINA9910576879803321
	Autore	Qiao Yongliang
	Titolo	Advances in Sensors, Big Data and Machine Learning in Intelligent Animal Farming
	Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
	Descrizione fisica	1 online resource (228 p.)
	Soggetti	History of engineering & technology Technology: general issues
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	Animal production (e.g., milk, meat, and eggs) provides valuable protein production for human beings and animals. However, animal production is facing several challenges worldwide such as environmental impacts and animal welfare/health concerns. In animal farming operations, accurate and efficient monitoring of animal information and behavior can help analyze the health and welfare status of animals and identify sick or abnormal individuals at an early stage to reduce economic losses and protect animal welfare. In recent years, there has been growing interest in animal welfare. At present, sensors, big data, machine learning, and artificial intelligence are used

to improve management efficiency, reduce production costs, and enhance animal welfare. Although these technologies still have challenges and limitations, the application and exploration of these technologies in animal farms will greatly promote the intelligent management of farms. Therefore, this Special Issue will collect original papers with novel contributions based on technologies such as sensors, big data, machine learning, and artificial intelligence to study animal behavior monitoring and recognition, environmental monitoring, health evaluation, etc., to promote intelligent and accurate animal farm management.