

1. Record Nr.	UNINA9910590065303321
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Titolo	Banking Crises in Italy : An Application and Evaluation of the European Framework // by Giuseppe Boccuzzi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2022
ISBN	9783031013447 9783031013430
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (269 pages)
Collana	Palgrave Studies in Financial Instability and Banking Crisis Regulation, , 2662-3935
Disciplina	332.10945
Soggetti	Financial services industry Finance - Law and legislation Financial Services Financial Law
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: Introduction -- Part I: The management of banking crises in Italy: old and new solutions in a framework of increasing complexity -- Chapter 2: The overall picture. System weaknesses and individual problems -- Chapter 3: The Tercas case: a watershed -- Chapter 4: The first application of the BRRD: the case of the four banks in resolution -- Chapter 5: Two types of public intervention: orderly liquidation and precautionary recapitalisation -- Chapter 6: Establishment of the FITD's Voluntary Scheme and interventions carried out -- Chapter 7: The FITD's preventive and alternative measures -- Part II: Lessons learned and the (many) open questions -- Chapter 8: How to manage the crises? -- Chapter 9: The debate on the harmonised insolvency framework in Europe -- Chapter 10: Who gets the bill in a crisis? -- Chapter 11: Public intervention in crises -- Chapter 12: Deposit Guarantee Schemes: role and functioning in bankingcrises -- Chapter 13: Conclusion: A long list of open issues.
Sommario/riassunto	This book offers the first original study on banking crises management in Italy from 2014 to 2020 with a comprehensive overview of the resolution tools used. In Italy, the issue of banking crises is now the

focus of attention, not only as a result of the cycle of crises that occurred in the years 2014-2020 but also because of the banking reform carried out in Europe with the directives on bank recovery and resolution and the implementation of the Single Resolution Mechanism and the Single Resolution Fund within the framework of the Banking Union. The Italian banking crises have been managed by applying the new European regulatory framework; in this sense they constitute a significant test to assess its effectiveness and coherence. This book, divided into two parts, makes an initial assessment of the crisis situations and the application of the new rules, and offers an initial evaluation of their functioning. In the first part, an in-depth examination is made of the various cases of crisis, following a methodology of classification by type of solution and instruments adopted. The second part is dedicated to lessons learned and open issues. In detail, the most sensitive issues of the current debate are addressed, relating to the improvement of the institutional set-up and the rules for crisis management, the harmonization of insolvency rules in Europe, the funding of resolution, public intervention and, finally, the role of deposit guarantee systems. An articulated and complex picture emerges with various areas for improvement and policy indications, offering a framework that will be of interest to scholars, researchers, professors, students and practitioners of banking and banking regulation.

2. Record Nr.	UNINA9911064733803321
Autore	Rabiei Marzieh
Titolo	Hydroxyapatite-Based Nanocomposites : Structure, Mechanics and New Methods // by Marzieh Rabiei, Arvydas Palevicius, Sohrab Nasiri, Giedrius Janusas
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-12583-9
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (238 pages)
Collana	Springer Series in Chemical Physics, , 2364-9003 ; ; 127
Disciplina	543.62
Soggetti	X-ray spectroscopy Atomic structure Molecular structure Atoms Molecules Biophysics Biomolecules Physics Astronomy X-Ray Spectroscopy Atomic and Molecular Structure and Properties Atomic, Molecular and Chemical Physics Molecular Biophysics Physics and Astronomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Assessing Techniques for Determining Nano Crystal Size of Natural Hydroxy-apatite via X-Ray Diffraction -- Determination of Elasticity Modulus in Relation to Atomic Density of Planar Structures in Crystal Lattice Unit Cells -- Correlation Between Young's Modulus and Planar Density of Unit Cell, Super Cells (2 × 2 × 2), Symmetry Cells of Perovskite (CaTiO ₃) Lattice -- X-ray Diffraction Analysis and the Williamson-Hall Method in the USDM Model to Estimate More Precise Values of Stress-Strain in the Unit Cell and Supercells (2 × 2 × 2) of

Hydroxyapatite, as Validated by Ultrasonic Pulse-Echo Testing -- Novel Methodology for the Fabrication of In-vitro Bioactive Scaffolds Comprised of Silver-Doped Hydroxyapatite Combined with Polyvinyltrimethox-ysilane -- Influence of Calcination Temperature on the Photophysical and Mechanical Characteristics of Hydroxyapatite Doped with 5 mol% Copper Iodide.

Sommario/riassunto

This book presents an innovative approach to the synthesis and mechanical characterization of hydroxyapatite (HA)-based nanocomposites for biotechnological applications. By integrating advanced X-ray diffraction (XRD) techniques with ultrasonic pulse-echo testing, it provides a high-precision method for determining nanocrystal size, stress-strain behavior, and elastic modulus. The book investigates the effects of doping HA with silver and copper iodide, enhancing structural integrity and bioactivity, and offering new perspectives for optimizing HA-based materials in biomedical applications. The book explores the investigation of nanocrystal size of natural HA using X-ray diffraction, as well as the evaluation of an innovative technique for measuring the modulus of elasticity related to the atomic density of planes in unit cell and super cells of crystal lattices. It also examines the relationship between Young's modulus and planar density in unit cells, super cells (2x2x2), and symmetry cells of cubic crystal lattices. Furthermore, the book explores the effect of calcination temperature on the mechanical and photophysical properties of CuI-doped HA, providing a deeper understanding of material stability under varying conditions. By linking fundamental materials science with applied biomedical engineering, this book establishes a robust framework for the development of next-generation biomaterials. The combination of innovative synthesis techniques and advanced mechanical characterization offers practical insights to improve the longevity and performance of HA-based implants and scaffolds. This book will be a valuable resource for researchers, engineers, and professionals in materials science, nanotechnology, and biomedical engineering. It will particularly benefit those working with bioactive materials, implant development, and mechanical characterization, as it provides cutting-edge methods for optimizing HA composites for clinical use. With its systematic presentation of theory, experimental methods, and practical case studies, this book is well suited as a textbook for advanced graduate and PhD courses in materials science, microsystems engineering, nanotechnology, and biomaterials engineering.
