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Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- Overview: Media, Information Pluralism and Methodological Choices -- Chapter 1. Online Platforms and Analysis of Community Dynamics -- 1.1. Introduction -- 1.2. Outline: Ulule and YouTube platforms -- 1.3. Exploring the social network and communities on the Ulule platform -- 1.3.1. Platform, data and construction of the social graph -- 1.3.2. Algorithmic approaches for the detection of communities on Ulule -- 1.3.3. Typology of community forms -- 1.4. Exploring the social network and communities on the YouTube platform -- 1.4.1. YouTube: data and construction of interaction graph -- 1.4.2. Construction of evolving communities -- 1.4.3. Community evolution graph -- 1.4.4. Description of the evolutionary forms of communities -- 1.4.5. Forms of community development on YouTube -- 1.5. Conclusion -- 1.6. References -- Chapter 2. Echo Chambers and Opinion Dynamics: An Agent-Based Modeling Approach -- 2.1. Introduction -- 2.2. Agent-based modeling -- 2.2.1. ABM modeling principles -- 2.2.2. The modeling cycle and the ODD representation -- 2.3. The sociology of echo chambers -- 2.3.1. A descriptive definition of the echo chamber

-- 2.3.2. Reducing the echo chamber phenomenon into simple factors for modeling -- 2.4. Modeling echo chambers -- 2.4.1. The Netlogo model -- 2.4.2. ODD for the echo chamber model -- 2.4.3. A short review on the modeling of opinion dynamics -- 2.4.4. Results of the Netlogo model simulations -- 2.5. Conclusion -- 2.6. References -- Chapter 3. Diversity of Sources and Pluralism of Journalistic Framing: A Qualitative-Quantitative Sociosemiotic Approach -- 3.1. The sources: interfaces between writing and reality -- 3.2. Theoretical background -- 3.2.1. Framing theories -- 3.2.2. Toward a typology of sources -- 3.2.3. Citing sources -- 3.2.4. Formalizing hypotheses about discourse. 3.3. Processing and analysis of the corpus -- 3.3.1. Scope and corpus -- 3.3.2. Processing procedures and analysis -- 3.3.3. Processing and corpus enrichment -- 3.3.4. Analysis and results -- 3.4. Discussion and conclusion -- 3.5. References -- Chapter 4. Interviews as a Research Method for Understanding Online Information Pluralism -- 4.1. Introduction: the tools used by qualitative approaches in journalism studies -- 4.2. Semi-structured interviews to gather the views of stakeholders -- 4.2.1. Interview methods -- 4.2.2. The interview as a means to understanding the dynamics of online information pluralism -- 4.3. Conclusion -- 4.4. References -- Chapter 5. Media and Information Pluralism Through the Lens of Law -- 5.1. Introduction -- 5.2. Pluralism in European law -- 5.2.1. Council of European law -- 5.2.2. European Union law -- 5.3. Pluralism in French law -- 5.3.1. Pluralism in the constitution -- 5.3.2. Pluralism in legislation -- 5.4. Conclusion -- 5.5. References -- List of Authors -- Index.

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## Sommario/riassunto

This book, edited by Inna Lyubareva and Roger Waldeck, explores diverse methodologies in social sciences with a focus on media and online information analysis. It discusses the dynamics of online platforms like Ulule and YouTube, examining social network structures and community evolution. The book delves into the concept of echo chambers and opinion dynamics using agent-based modeling, providing insights into contemporary sociological phenomena. It also covers the pluralism of journalistic framing through a sociosemiotic approach and discusses research methods such as interviews for understanding online information pluralism. The book is intended for researchers, academics, and professionals interested in social sciences and media studies.

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Nota di contenuto	Industrial Scale-up Production of Nanoparticles; Challenges and Opportunities -- Nanocrystalisation for scaled up manufacturing of nanoparticles -- Spray drying techniques for nanoparticles production -- Mechanical milling for scaled up manufacturing of nanoparticles -- Emulsion techniques for nanoparticle production -- Vapour phase production of nanoparticles -- Microreactor for nanoparticles production -- High pressure homogenization techniques for nanoparticle production -- Extrusion for nanoparticles production -- Solgel and solvothermal methods for nanoparticles production -- Supercritical fluid technologies for nanoparticle production -- Plasma and Laser technology for nanoparticles production -- Sonochemical methods for nanoparticle production -- Nanolithographic techniques for scaled up manufacturing of nanostructures -- Microbial factories for scaled up production of nanoparticles -- Product separation, purification, storage and packaging -- Quality assurance in nanoparticles production -- Process economics in nanoparticle production -- Life cycle assessment (LCA) and nanomaterials production -- Health and safety aspects of nanoparticle production at industrial scale.

This book provides a detailed review of the scaled-up production of nanoparticles. A recent estimation suggests that the global nanotechnology is a trillion-dollar business with the exponential rise of nanotechnology-based industries worldwide. In such scenario, nanoparticle production plays a vital role. This book describes the fundamentals, practical aspects, and pros and cons of nanoparticle production techniques such as nanocrystallization, sonochemical methods, supercritical fluid technologies, emulsion techniques, nanolithographic techniques, high-pressure homogenization techniques, spray drying techniques, extrusion, mechanical milling, plasma techniques, sol-gel and solvothermal methods, vapor-phase production, microreactors, microbial factories, and laser technology. In addition, quality assurance in nanoparticle production and lifecycle assessment in nanomaterials production will be discussed. The content of this text will give insight to practitioners and researchers during the selection of nanoparticle production technologies in industrial-scale nanoparticle manufacturing for various applications. In addition, this book will be a practical guide for scaled-up production of nanoparticles for undergraduate and graduate-level students and also useful for Ph. D. students.

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