

1. Record Nr.	UNINA9910842498803321
Titolo	Janusz Czelakowski on Logical Consequence // edited by Jacek Malinowski, Rafa Palczewski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-44490-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (473 pages)
Collana	Outstanding Contributions to Logic, , 2211-2766 ; ; 27
Disciplina	511.324
Soggetti	Logic Logic, Symbolic and mathematical Mathematical Logic and Foundations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Introduction (Jacek Malinowski and Rafa Palczewski) -- Chapter 2. Biogram (Janusz Czelakowski) -- Chapter 3. Section of logic in ód 1982–1992 (Jacek Malinowski) -- Part 1: Surveys -- Chapter 4. Janusz Czelakowski's research on the theory of matrices and its applications in the seventies and eighties of the 20th century (Josep Maria Font and Ramon Jansana) -- Chapter 5. A gentle introduction to the Leibniz hierarchy (Tommaso Moraschini) -- Chapter 6. Czelakowski's work on quasivarieties (Miguel Campercholi and Diego Castaño) -- Chapter 7. On J. Czelakowski's contributions to quantum logic and the foundation of quantum mechanics (Davide Fazio) -- Chapter 8. Actions and deontology: Janusz Czelakowski on actions and their assessment (Fengkui Ju and Piotr Kulicki) -- Part 2: Research -- Chapter 9. Assertional logics and the Frege hierarchy (Hugo Albuquerque and Ramon Jansana) -- Chapter 10. Characterization of strong day implication systems (Sergey Babenyshev) -- Chapter 11. SCI – Sequentcalculi, cut elimination and interpolation property (Andrzej Indrzejczak) -- Chapter 12. Some more theorems on structural entailment relations and non-deterministic semantics (Carlos Caleiro, Sérgio Marcelino, and Umberto Rivieccio) -- Chapter 13. Boolean-like algebras of finite dimension: From Boolean products to semiring products (Antonio Bucciarelli, Antonio Ledda, Francesco Paoli, and

Antonino Salibra) -- Chapter 14. Logic of action from the perspective of knowledge representation (Andreas Herzig, Emiliano Lorini, and Elise Perrotin) -- Chapter 15. Implication in sharply paraorthomodular and relatively paraorthomodular posets (Ivan Chajda, Davide Fazio, Helmut Länger, Antonio Ledda, and Jan Paseka) -- Chapter 16. My final comments to the volume (Janusz Czelakowski) -- Chapter 17. List of publications of Janusz Czelakowski.

Sommario/riassunto

This book is dedicated to the life and work of logician Janusz Czelakowski on the topic of logical consequence. It consists of three parts – a biography, a survey and research sections. The volume begins with an autobiographic chapter by Janusz Czelakowski followed by a historical chapter written by Jacek Malinowski. The survey section forms the backbone of the volume with each chapter covering one of Janusz Czelakowski's results. They focus on his results in the area of logical consequence, demonstrate how his results influenced following research, and presents potential future results, problems and applications. This volume is of interest to logicians and mathematicians.
