Wenceslao J. Gonzalez Editor

Methodological Prospects for Scientific Research

From Pragmatism to Pluralism



Contents

1	Pragmatism and Pluralism as Methodological Alternatives to Monism, Reductionism and Universalism			
Part	A New Framework for Methodological Prospects to Scientific Research			
2	Levels of Reality, Complexity, and Approaches to Scientific Method . Wenceslao J. Gonzalez $$	21		
3	Multiscale Modeling: Explanation and Emergence	53		
Part	II Pragmatist Approaches to Methodology of Science			
4	Methodological Pragmatism Nicholas Rescher	69		
5	Methodological Incidence of the Realms of Reality: Prediction and Complexity Amanda Guillan	81		
Part	t III Contextual Factors for Methodology of Science			
6	Information and Pluralism. Consequences for Scientific Representation and Methods	99		
7	The Methodology of Theories in Context: The Case of Economic Clustering	121		

vi Contents

Part	IV	Methodological Pluralism in Natural Sciences and Sciences of the Artificial	
	and	rality of Explanatory Strategies in Biology: Mechanisms Networks aro Moreno and Javier Suárez	141
	Imp and	ntific Prediction and Prescription in Plant Genetic rovement as Applied Science of Design: The Natural the Artificial	167
Part	V	Methodological Pluralism in Social Sciences and Ethical Values	
10	Plui	Illenges to Validity from the Standpoint of Methodological ralism: The Case of Survey Research in Economics	185
11	Plui App	"Economic Method" and Its Ethical Component: ralism, Objectivity and Values in Amartya Sen's Capability roach ssandra Cenci	207
Inde	x of	Names	235
Subi	iect]	[ndex	241