1. Record Nr. UNINA9911002546103321

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| Autore | Balasescu Alexandru |
| Titolo | Climate Change in the Age of Artificial Intelligence : Nature, Culture and the Politics of Technology / / by Alexandru Balasescu |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025 |
| ISBN | 9783031900426 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (XXXII, 166 p. 28 illus., 25 illus. in color.) |
| Collana | Artificial Intelligence, Simulation and Society, , 3004-9830 |
| Disciplina | 304.2 |
| Soggetti | Human ecology<br>Social policy<br>Environmental sciences - Social aspects<br>Sustainability<br>Environmental Anthropology<br>Social Policy<br>Environmental Social Sciences |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Introduction: Between Nature and Technology -- ACT I: HERE AND NOW -- What’s (the) Matter? -- Body Matters -- Culture Matters -- ACT II - PAST TRACES OF THE FUTURE -- Knowing Nature -- Data, Facts, Reality -- Survey and Reward -- ACT III - WHERE TO? -- AI and diverse ways of knowing -- The Non-human Stakeholders -- What Now?. |
| Sommario/riassunto | This book invites the reader to follow seemingly unrelated paths towards the same goal: making sense of what it means to be human in a world that casually blends discourses on nature, technology, and biology with ideas of progress, optimization and their capitalization at the centre. The author critically analyses current thinking which often looks at technological solutions to the challenges posed by climate change, and where artificial intelligence is instrumental in fulfilling the promise of ecological capitalism. He instead advocates that we take a closer look at the politics of optimization within and outside managerial perspectives, which could reveal that one of the main sources of our repeated failures related to governance and climate change lies not intrinsically in the qualities of the tools we use, but in |

the underlying assumptions with which we design, and in the scope of their use. Therefore, the book looks at possible solutions for humanity that may lie between the rock of technology and the hard place of nature. That is, it asks for a revision in our implicit assumptions for building our tools; critiques the thinking about our relationships with them; and re-assesses their use. Richly documented, imaginatively argued, and captivatingly written, this book explores unexpected entanglements of nature, culture, and technology that emerge in A.I.’s unruly and unforeseen trajectories. - George Paul Meiu, Professor of Anthropology, University of Basel Balasescu develops wide-ranging thick-descriptions that provocatively draw together lotus flowers and data banks, snakes and algorithms to delve into how bodies, cultures and power are invisibly ensconced in every aspect of the digital realm.< - Susan Ossman, Distinguished Professor of Anthropology, University of California Riverside This important work traces the evolution and development of the paradigms that made artificial intelligence possible and perhaps even inevitable. - Guy Nasmyth, Associate faculty, Royal Roads University Alec Balasescu skillfully broadens our horizons for not just nuanced thinking and diverse ways of knowing, but in a fast-changing landscape how we might more consciously choose to act and relate to nature. - Wanda Krause, award-winning author, program head Global Leadership and associate professor, Royal Roads University.

2. Record Nr. UNINA9911019255503321

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| Autore | Ogunseitan Oladele |
| Titolo | Microbial diversity : form and function in prokaryotes / / Oladele Ogunseitan |
| Pubbl/distr/stampa | Malden, MA, : Blackwell Pub., c2005 |
| ISBN | 9786611213923<br>9781281213921<br>1281213926<br>9780470750490<br>0470750499<br>9781405144483<br>1405144483 |
| Descrizione fisica | 1 online resource (316 p.) |
| Disciplina | 579/.17 |
| Soggetti | Microbial diversity<br>Microbial ecology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | The concept of microbial species -- Microscopic methods for assessing microbial diversity -- Culture methods -- Molecular and genomic methods -- Phylogenetic analysis -- Environmental evolution -- Biogeochemical cycling of carbon and nitrogen -- Biogeochemical cycling of phosphorus, sulfur, metals, and trace elements -- Cross-species interactions among prokaryotes -- Interactions between microorganisms and large eukaryotes -- Microbial diversty and global environmental issues. |
| Sommario/riassunto | This book offers the first comprehensive, in-depth treatment of microbial diversity for undergraduate and graduate students. Using a global approach, Microbial Diversity illustrates the impact of microorganisms on ecological and Earth system phenomena. * Accompanied by a devoted website with resources for both instructors and students: www.blackwellpublishing.com/ogunseitan * Uses key ecological and global phenomena to show the continuity of microbial contribution. * Illustrates the importance of microbial diversity for the |

understanding of global physiochemical and biological processes. * Presents analyses of microscopic, culture, molecular, and phylogenetic systematic methods. * Shows the relevance of microbial diversity to global environmental problems, such as climate change and ozone depletion. * Features numerous illustrations, including over 60 4-color photographs of microbes.