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| Autore                  | Lai, Franco <1958- >   |
| Titolo                  | Spazi locali spazi globali : un saggio sul concetto di economia-mondo / Franco Lai |
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| ISBN                    | 978-88-568-4712-3  |
| Descrizione fisica      | 111 p. ; 20 cm   |
| Collana                 | Antropologia culturale e sociale ; 70  |
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| Titolo                  | Below-ground interactions in tropical agroecosystems [[electronic resource] ] : concepts and models with multiple plant components // edited by M. van Noordwijk, G. Cadisch, and C.K. Ong   |
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| ISBN                    | 1-280-83387-4<br>9786610833870<br>0-85199-924-7  |
| Descrizione fisica      | 1 online resource (462 p.)   |
| Altri autori (Persone)  | NoordwijkMeine van<br>CadischG (Georg)<br>OngC. K  |
| Disciplina              | 631.4  |
| Soggetti                | Plant-soil relationships - Tropics<br>Agricultural ecology - Tropics   |
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| Nota di contenuto       | Contributors; Foreword; Editors' Introduction; Acknowledgements; 1 Ecological Interactions in Multispecies Agroecosystems: Concepts and Rules; 2 Locally Derived Knowledge of Soil Fertility and Its Emerging Role in Integrated Natural Resource Management; 3 Models of Below-ground Interactions: Their Validity, Applicability and Beneficiaries; 4 Tree Root Architecture; 5 Crop and Tree Root-system Dynamics; 6 Opportunities for Capture of Deep Soil Nutrients; 7 Phosphorus Dynamics and Mobilization by Plants; 8 Managing Soil Acidity and Aluminium Toxicity in Tree-based Agroecosystems<br>9 Uptake, Partitioning and Redistribution of Water by Roots in Mixed-species Agroecosystems<br>10 Catching and Competing for Mobile Nutrients in Soils; 11 Below-ground Inputs: Relationships with Soil Quality, Soil C Storage and Soil Structure; 12 Soil-Atmosphere Gas Exchange in Tropical Agriculture: Contributions to Climate Change; 13 Benefiting from N <sub>2</sub> -Fixation and Managing Rhizobia; 14 Managing Mycorrhiza in Tropical Multispecies Agroecosystems; 15 Nematodes |

and Other Soilborne Pathogens in Agroforestry; 16 Soil Biodiversity and Food Webs; 17 Managing Below-ground Interactions in Agroecosystems 18 Managing Movements of Water, Solutes and Soil: from Plot to Landscape Scale 19 Soil and Water Movement: Combining Local Ecological Knowledge with that of Modellers when Scaling up from Plot to Landscape Level; 20 Challenges for the Next Decade of Research on Below-ground Interactions in Tropical Agroecosystems: Client-driven Solutions at Landscape Scale; References; Index

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Sommario/riassunto

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This book provides a synthesis of plant-soil interactions in agroforestry, intercropping and grass-legume interactions. It focuses on the process level, which is relevant to many types of multi-species agro-ecosystems. It also links basic research to practical applications in a wide range of systems with or without trees, and considers effects of global change on below-ground interactions.

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