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| Nota di contenuto       | Front matter -- Contents -- List Of Contributors -- List Of Tables -- List Of Figures -- 1. Documenting Domestication: Bringing Together Plants, Animals, Archaeology, And Genetics -- 2. Documenting Domesticated Plants In The Archaeological Record -- 3. Seed Size Increase As A Marker Of Domestication In Squash (Cucurbita Pepo) -- 4. A Morphological Approach To Documenting The Domestication Of Chenopodium In The Andes -- 5. Identifying Manioc (Manihot Esculenta Crantz) And Other Crops In Pre-Columbian Tropical America Through Starch Grain Analysis: A Case Study From Central Panama -- 6. Phytolith Evidence For The Early Presence Of Domesticated Banana (Musa) In Africa -- 7. Documenting The Presence Of Maize In Central And South America Through Phytolith Analysis Of Food Residues -- 8. Genetic Data And Plant Domestication -- 9. DNA Sequence Data And Inferences On Cassava's Origin Of Domestication -- 10. Relationship Between Chinese Chive (Allium Tuberosum) And Its Putative Progenitor |

A. Ramosum As Assessed By Random Amplified Polymorphic DNA (RAPD) -- 11. Using Multiple Types Of Molecular Markers To Understand Olive Phylogeography -- 12. Origins Of Polyploid Crops: The Example Of The Octoploid Tuber Crop *Oxalis Tuberosa* -- 13. Archaeological Approaches To Documenting Animal Domestication -- 14. A Critical Assessment Of Markers Of Initial Domestication In Goats (*Capra Hircus*) -- 15. The Domestication Of The Pig (*Sus Scrofa*): New Challenges And Approaches -- 16. The Domestication Of South American Camelids: A View From The South-Central Andes -- 17. Early Horse Domestication On The Eurasian Steppe -- 18. Documenting Domestication: Reading Animal Genetic Texts -- 19. Genetic Analysis Of Dog Domestication -- 20. Origins And Diffusion Of Domestic Goats Inferred From DNA Markers: Example Analyses Of mtDNA, Y Chromosome, And Microsatellites -- 21. Mitochondrial DNA Diversity In Modern Sheep: Implications For Domestication -- 22. Genetics And Origins Of Domestic Cattle -- 23. Genetic Analysis Of The Origins Of Domestic South American Camelids -- 24. Genetic Documentation Of Horse And Donkey Domestication -- Index

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Sommario/riassunto

Agriculture is the lever with which humans transformed the earth over the last 10,000 years and created new forms of plant and animal species that have forever altered the face of the planet. In the last decade, significant technological and methodological advances in both molecular biology and archaeology have revolutionized the study of plant and animal domestication and are reshaping our understanding of the transition from foraging to farming, one of the major turning points in human history. This groundbreaking volume for the first time brings together leading archaeologists and biologists working on the domestication of both plants and animals to consider a wide variety of archaeological and genetic approaches to tracing the origin and dispersal of domesticates. It provides a comprehensive overview of the state of the art in this quickly changing field as well as reviews of recent findings on specific crop and livestock species in the Americas, Eurasia, and Africa. Offering a unique global perspective, it explores common challenges and potential avenues for future progress in documenting domestication.

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