

1. Record Nr.	UNINA9910456833503321
Autore	Thompson John N
Titolo	The coevolutionary process [[electronic resource] /] / John N. Thompson
Pubbl/distr/stampa	Chicago, : University of Chicago Press, c1994
ISBN	1-282-53730-X 9786612537301 0-226-79767-8
Descrizione fisica	1 online resource (390 p.)
Disciplina	575
Soggetti	Coevolution Insect-plant relationships Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 296-343) and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Overview -- Part I. The Entangled Bank -- Part II. The Evolution of Specialization -- Part III. Natural Selection and the Geographic Structure of Specialization -- Part IV. Specialization and Coevolution -- Synthesis: The Geographic Mosaic in Evolving Interactions -- Epilogue: Specialization, Coevolution, and Conservation -- Literature Cited -- Index
Sommario/riassunto	Traditional ecological approaches to species evolution have frequently studied too few species, relatively small areas, and relatively short time spans. In <i>The Coevolutionary Process</i> , John N. Thompson advances a new conceptual approach to the evolution of species interactions—the geographic mosaic theory of coevolution. Thompson demonstrates how an integrated study of life histories, genetics, and the geographic structure of populations yields a broader understanding of coevolution, or the development of reciprocal adaptations and specializations in interdependent species. Using examples of species interactions from an enormous range of taxa, Thompson examines how and when extreme specialization evolves in interdependent species and how geographic differences in specialization, adaptation, and the outcomes of interactions shape coevolution. Through the geographic mosaic theory,

Thompson bridges the gap between the study of specialization and coevolution in local communities and the study of broader patterns seen in comparisons of the phylogenies of interacting species.

---