

1. Record Nr.	UNINA9910155744103321
Autore	Boothroyd Jennifer
Titolo	Caution in the Kitchen! : Germs, Allergies, and Other Health Concerns
Pubbl/distr/stampa	Lerner
ISBN	1-5124-4691-2
Descrizione fisica	1 online resource (32 p.) : ill
Disciplina	363.19/2
Lingua di pubblicazione	Inglese
Formato	Musica
Livello bibliografico	Monografia
Sommario/riassunto	<p>Food safety is important. What are some other good food safety rules to follow? And what steps can you take to keep your own kitchen safe? This title provides an educational introduction to key ideas of food safety, from washing your hands before you eat and keeping food properly refrigerated, to avoiding foods you may be allergic to and respecting others' dietary restrictions. A hands-on activity and a list of fun facts round out Caution in the Kitchen!</p>

2. Record Nr.	UNINA9910595061603321
Autore	Lekiavichius E (Edmundas)
Titolo	Biodiversity : Maintenance, Function, Origin, and Self-Organisation into Life-Support Systems // by Edmundas Lekeviius
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-031-11582-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (237 pages)
Disciplina	333.740684 577
Soggetti	Evolution (Biology) Life - Origin Evolutionary genetics Species Evolutionary Theory Origin of Life Evolutionary Genetics Speciation Biodiversitat Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I IN SEARCH FOR A FUNCTIONAL EXPLANATION -- 1 Introduction: contemporary biology struggles to explain the great diversity of genotypes and species -- 2 Methodological excursion: an apology for theoretical synthesis, simplicity, deductive method and conceptual modelling -- 3 Species do not just 'struggle -- 4 Species diversity as trophic specialisation -- 5 Producer diversity as reflection of variation in the abiotic environment -- 6 Do consumers maintain diversity of their food sources -- 7 Species diversity ensures higher total biomass and helps to stabilise it -- 8 Conspecifics do not just 'struggle' either -- 9 Genotype diversity as even more delicate specialisation -- 10 Environmental fluctuations and the daily role of selection -- 11 Summing-up: Biodiversity and plasticity of life (General Adaptation

Theory) -- 12 So, is nature a battlefield or a cooperative arena? -- Part II IN SEARCH FOR A SYNTHETIC EXPLANATION -- 13 Why an evolutionary biologist should start with ecological succession -- 14 Primary succession and self-organisation of biodiversity -- 15 Colonisation of the Hawaiian Islands, or how evolution complements succession -- 16 Self-assembly of ecosystems in the Paleozoic: Overview of the latest sources -- 17 Self-assembly of ecosystems in the Paleozoic: Interpretation and summary -- 18 The origin of life, and self-assembly of modern nutrient cycles -- 19 Appearance of modern ecological pyramids. Summing-up -- 20 Supercompetitors. Homo sapiens as a consumer of biodiversity -- 21 Has Darwin's theory really become obsolete -- AFTERWORD -- INDEX.

Sommario/riassunto

Species are not functionally independent. From a long-term perspective, only ecosystem with a fully integrated nutrient cycle is alive. The lack of trophic autonomy should be considered one of the key factors that ensure and maintain biodiversity. The variability of abiotic conditions, both in space and in time, also creates a huge diversity of niches and subniches for genotypes and species. In addition, life maintains its essential variables (biomass and productivity) as stable as possible due to the diversity of structures (genes, macromolecules, metabolic pathways, genotypes, species, etc.): the structures that reach optima are multiplied and thus activated, while the functioning of those which lost their optima is suppressed. The facts and concepts presented in this monograph thus support the conclusions that (a) genotype and species diversity is supported by trophic specialisation (b) biodiversity helps to stabilise the functions (essential variables) of individuals, populations, and ecological communities (c) the emergence of biodiversity is determined by heritable variation and the advantage of specialised (more effective) structures over non-specialised ones (d) biodiversity is characterised by its ability to increase itself and to organise itself into relatively consistent structures, which we call production pyramids and nutrient cycles. This book therefore provides an answer to the question "why the diversity of life is of such and such a nature".
