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Context of the Variscan Belt -- 2.1. Introduction -- 2.2. Litho-tectonic zonation of the Variscan belt and identification of the principal "paleogeographical domains": contribution of great precursors and evolution of ideas -- 2.3. Paleogeographic reconstructions: paleontological, paleo-climatological and mineralogical data -- 2.4. Paleomagnetic data and paleogeographic reconstructions -- 2.4.1. First investigations: 1980-2010 -- 2.4.2. Paleomagnetic, mantle and unified kinematic models: 2010-2020.
2.5. Concluding remarks -- 2.6. References -- Chapter 3. Pre-collision Magmatism -- 3.1. Introduction -- 3.2. Cadomian magmatism in brief -- 3.3. Geochronological data: two magmatic phases in the Lower Paleozoic -- 3.4. Cambrian-Ordovician magmatism -- 3.4.1. Ophiolites -- 3.4.2. Metabasites: amphibolites, eclogites and basic granulites of allochthonous units -- 3.4.3. The leptyno-amphibolite complex -- 3.4.4. Orthogneisses of allochthonous metamorphic units -- 3.4.5. Magmatism of autochthonous and para-autochthonous units -- 3.4.6. Summary, petrogenic and geodynamic proposals -- 3.5. Devonian magmatism -- 3.5.1. Calc-alkaline plutons -- 3.5.2. Subalkaline lava -- 3.5.3. Central and North American dolerites -- 3.5.4. The ophiolites issue -- 3.5.5. Summary, petrogenic and geodynamic proposals -- 3.6. Conclusions and perspectives -- 3.7. References -- Chapter 4. Early Metamorphisms and Deformations in the French Variscan Belt -- 4.1. Introduction -- 4.2. Metamorphisms and deformations in the Moldanubian domain -- 4.2.1. Eo-Variscan events -- 4.2.2. Lower Carboniferous Variscan tectono-metamorphic events -- 4.3. Metamorphisms and deformations in the Saxothuringian domain -- 4.4. Metamorphisms and deformations in the eastern Variscan branch -- 4.4.1. Massifs free of alpine superimposition: Maures-Tanneron and Corsica-Sardinia Massif -- 4.4.2. Alpine Variscan substratum -- 4.5. Conclusion -- 4.6. References -- List of Authors -- Index -- EULA.

Sommario/riassunto

This book deals with the geological record and the evolution of ideas concerning the Variscan orogenic belt in France and neighboring regions. Volume 1 is based on a general introduction concerning the imprint of the Variscan period on the geology of France, as well as on the particularities of the study of this ancient orogen. A history of the concepts applied to the Variscan belt is proposed in order to consider this orogen in the history of Earth Sciences. A paleogeodynamic analysis of the Variscan cycle sets the general framework for the evolution of the orogen, which is then tackled through the prism of the magmatic, metamorphic and tectonic record of the early phases (from Cambrian to Lower Carboniferous). Volume 2 proposes an analysis of the late evolution of the Variscan orogenic belt, reflecting its dismantling in a high-temperature context during the Upper Carboniferous and Permian. The sedimentary archives are described, as well as the questions raised by the specificities of this ancient orogen.

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Sommario/riassunto	This widely acclaimed text covers the whole field of modern food microbiology. Now in its second edition, it has been revised and updated throughout and includes new sections on stress response, Mycobacterium spp., risk analysis and new foodborne health problems such as BSE. Food Microbiology covers the three main aspects of interaction between micro-organisms and food - spoilage, foodborne illness and fermentation - and the positive and negative features that result. It discusses the factors affecting the presence of micro-organisms in food and their capacity to survive and grow. Also included are recent developments in procedures used to assay and control the microbiological quality of food. Food Microbiology presents a thorough and accessible account of this increasingly topical subject, and is an ideal text for undergraduate courses in the biological sciences, biotechnology and food science. It will also be valuable as a reference for lecturers and researchers in these areas.