

Climate Of The Romanian Carpathians Variability And Trends

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[Studies on the Palaeolithic of Western Eurasia](#) May 06 2020 Papers from Session 4 disseminate a wealth of archaeological data from Bavaria to the Russian Plain, and discuss Aurignacian, Gravettian, Epigravettian, and Magdalenian perspectives on lithic tool kits and animal remains. Session 6 was concerned with lithic raw material procurement in the Caucasus and in three areas of the Iberian peninsula.

[Abstracts of Romanian Scientific and Technical Literature](#) Oct 30 2019

[Palaeolimnological Proxies as Tools of Environmental Reconstruction in Fresh Water](#) Nov 11 2020 [Palaeolimnology](#) is one of the most rapidly developing fields of limnology. The primary objective of this volume is to present new palaeolimnological findings from eastern and central Europe. Although this area has sometimes received less attention than other areas of Europe, the lakes and mires, coupled

with the variability in landscape and the local differences in climate, provide unique opportunity for studying palaeolimnology. The volume starts with a review on late Quaternary records from the Carpathian region, followed by new results on the history of a crater lake, Lake Saint Ana, glacial lakes in the Tatra Mountains and Lake Bled in Slovenia. In addition, the various papers provide new insights on the development of lakes and bogs during the late glacial and Holocene, using a wide range of palaeolimnological proxies, including diatoms, pollen, macrofossils, pigments, cladoceran remains, chironomids, chaoborids, stable isotopes and geochemistry. The motivation for collecting recent knowledge derives from the recognition of the importance, and applicability of palaeolimnological tools to help in defining "reference conditions" as designated within the Water Framework Directives and estimating influence of global climate change on surface waters.

Recent Landform Evolution Jul 08 2020 The Carpatho-Balkan Geomorphological Commission and the International Association of Geomorphologists (IAG) Carpatho-Balkan-Dinaric Regional Working Group, promote networking between researchers and the exchange of research experience. Following a brief introduction into the geology, climate, hydrology and land cover of the Carpatho-Balkan-Dinaric region, the book provides detailed information on research applying both traditional and innovative techniques and summarizes contemporary knowledge on recent geomorphic processes. It also presents studies of exogenic geomorphic processes from each country. The chapters on Poland, the Czech Republic, Slovakia, Ukraine, Hungary, Romania, Slovenia, Croatia, Serbia, Bulgaria and Macedonia examine the geomorphic processes in shaping the topography of each country. This volume also examines key geomorphic processes influencing land use and economic activities as well as contributions discussing processes under climate change.

Ciomadul (Csomád), The Youngest Volcano in the Carpathians Aug 09 2020 This book delivers the present state-of-the-art of scientific characteristics of the unique Ciomadul volcano (Romania, East-Central Europe) from as many aspects as possible.. Multidisciplinary research results obtained on this geologically young volcanic complex are presented to a wider audience (geologists, volcanologists, botanists, archaeologists, historians and teachers). Moreover, the book provides information at a general level for interested laypersons and decision-makers. The first part of the book, after summarizing the research history of Ciomadul, presents the details of the volcanism and related topics (volcanology, geology, landscape evolution, minerals, post-volcanic activity and spa culture) in eight chapters; the second part deals with the palaeo-environmental issues of the larger area, along with human history, in nine chapters.

European Glacial Landscapes Aug 21 2021 European Glacial Landscapes: The Role of Glaciers in Shaping the Landscape of Europe During the Last Deglaciation brings together relevant experts on the history of glaciers and their impact on the landscape of the main European regions. The European glaciers ended their maximum expansion of the Last Glacial Cycle approximately 20,000 years ago, when ice-sheets covered all the Scandinavian countries, Finland, much of the British Isles, the shores of the Baltic Sea and Central-Europe until roughly the present Rhine River. The glaciers covered also large areas of the main European mountains, such as the Urals, the Carpathians, the Alps, the Balkans, the Pyrenees, etc. Glaciers were also present even in the southernmost mountains, sometimes forming remarkable ice caps with cirque glaciers on relatively low mountains bordering the Mediterranean Sea. Soon after the Last Glacial Maximum from around 20,000 years ago a rapid process of glacial retreat began throughout Europe, which was interrupted several times by abrupt cooling of the climate, which caused rapid, though limited, re-advance of the glaciers, until the beginning of the Holocene, 11,700 years ago when climate became relatively stable and warm. These successive glacial advances and retreats during the Last Deglaciation have shaped much of the European landscape, reflecting abrupt climatic fluctuations. The Last deglaciation is especially important for the landscape of Europe because the evidence is so well-preserved since it records the most recent evidence of the Pleistocene ice age. In recent decades, research on the origin and age of the resulting glacial landforms has greatly improved in many regions of Europe. In addition, the evolution of the climate is becoming better known through detailed analysis of lacustrine and marine sediments, and Greenland ice cores. As our

knowledge on abrupt climate changes since the Last Glacial Maximum progresses, new uncertainties arise that are critical for understanding (i) the influence of atmospheric and oceanic currents on palaeoclimates and their spatial representation; (ii) the existence of asynchronies in the timing of occurrence of ice masses expansion and shrinkage; (iii) the time lags between oceanic and atmospheric changes, on one hand, and changes in precipitation and temperature patterns, on the other; (iv) the way in which climate changes disseminate through Europe and, consequently, the lag between climate changes and the expansion or contraction of glaciers; (v) the role of the large continental ice-sheets on the European climate, and particularly on the response of mountain glaciers, with special reference to the Mediterranean mountains. All these contributions are included in this book, in which the reader will find a complete review organized according to the main climatic periods of the so-called Termination 1 the important Late Pleistocene-Holocene transition. Provides a synthesis that highlights the main similarities or differences, through both space and time, during the Last Deglaciation of Europe Features research from experts in palaeo-climatology, palaeo-oceanography and palaeo-glaciology on the Last Deglaciation in Europe during Termination 1 and the important Late Pleistocene-Holocene transition Includes detailed color figures and maps, providing a comprehensive comparison of the glacial landscapes of European Pleistocene glaciers

Climate of the Romanian Carpathians Oct 03 2022 This book is a comprehensive climatic monograph, which addresses one of the most complex mountain environments in Europe, the Carpathians Chain, focusing on the branches that lie over Romania. The volume aggregates high quality input data, state-of-the-art techniques, regional analysis and overview perspectives, while addressing the spatial and temporal patterns of the main climatic elements. The study covers the period 1961-2010, for the present climate, while the perspective is extended up to 2050. The main climatic elements (e.g. air temperature, precipitation, wind) are analyzed, but some specific variables like snow depth and snow cover are also examined, both in terms of average behaviour and extreme characteristics. This is the first synthesis addressing the climate of this mountain region, and it provides useful information for scientists, mountain stakeholders, decision-makers and general public.

The Carpathians, the Hutsuls, and Ukraine Nov 23 2021 This book examines the relationship between Ukraine's Galician Hutsuls and the Carpathian landscape between 1848 and 1939. The author analyzes the intersections of ecology and culture in the history of the Carpathian Mountains, with a focus on the region's economy and biodiversity.

Bibliography and Index of Geology Mar 16 2021

Stable Isotope Studies of the Water Cycle and Terrestrial Environments Dec 25 2021 This volume is devoted to Earth surface environmental reconstructions and environmental changes that may be deciphered and modelled using stable isotopes along with mineralogical/chemical, sedimentological, palaeontological/biological and climatological methodologies. The book is divided into two sections, both using stable isotopes (see www.geolsoc.org.uk/SP507) in various samples and phases as the main research tool. The first section is devoted to studies focusing on the distribution of isotopes in precipitation, groundwater, lakes, rivers, springs, tap water, mine water and their relationship with terrestrial environments at regional to continental scale. In relation to this, the second section includes case studies from a range of continental settings, investigating cave deposits (stalagmites, bat guano), animal skeletons (dinosaurs, alligators, turtles, bivalves), present and past soils (palaeosols) and limestones. The sections focus on the interaction between the surficial water cycle and underground water storage with deposits acting as archives of short- to long-term climatic and environmental changes. Examples from the Early Cretaceous to present time come from Europe, Asia, Africa, North and South America.

Witchcraft in Romania Jun 30 2022 This book provides a history of witchcraft in the territories that compose contemporary Romania, with a focus on the sixteenth to nineteenth centuries. The first part presents aspects of earthly justice, religious and secular, analysing the codes of law, trials and verdicts, and underlining the differences between Transylvania on one hand, and Moldavia and Wallachia on the other. The second part is concerned with divine justice, describing apocalyptic texts that talk about the

pains of witches in hell, but also the ensembles of religious painting where, in vast compositions of the Last Judgment, various punishments for the sin of witchcraft are imagined.

Campanian and Maastrichtian Foraminifera from the Lublin Upland, Eastern Poland Jan 14 2021
Mason's World Encyclopedia of Livestock Breeds and Breeding, 2 Volume Pack Sep 29 2019 Mason's World Encyclopedia of Livestock Breeds and Breeding describes breeds of livestock worldwide as well as a range of breed-related subjects such as husbandry, health and behaviour. This definitive and prestigious reference work presents easily accessible information on domestication (including wild ancestors and related species), genetics and breeding, livestock produce and markets, as well as breed conservation and the cultural and social aspects of livestock farming. Written by renowned livestock authorities, these volumes draw on the authors' lifelong interest and involvement in livestock breeds of the world, presenting a unique, comprehensive and fully cross-referenced guide to cattle, buffalo, horses, pigs, sheep, asses, goats, camelids, yak and other domesticants.

Floods and Long-Term Water-Level Changes in Medieval Hungary Jul 20 2021 The book provides an overview of the floods and major hydrological changes that occurred in the medieval Hungarian kingdom (covering the majority of the Carpathian Basin) between 1000 and 1500 AD. The analysis was based on contemporary documentary evidence presented for the first time and the results of archaeological and scientific investigations. Beyond the evidence on individual flood events, the book includes a comprehensive overview of short-, medium-, and long-term changes detected in a hydrologically sensitive environment during the transition period between the Medieval Warm Period and the Little Ice Age. It also discusses the possible causes (including climate and human intervention) and the consequences for the physical and human environment, namely the related hydro-morphological changes, short- and long-term social response, and human perception issues.

Multiaged Silviculture Mar 04 2020 This book presents the latest scientific and management information on multiaged silviculture, an emerging strategy for managing forestry systems worldwide. Over recent decades, forest science and management have tended to emphasize plantation silviculture. Whilst this clearly meets our wood production needs, many of the world's forests need to be managed far less intensively and more flexibly in order to maintain their natural ecosystem functions together with the values inherent in those processes. Developing multiaged management strategies for these complex forest ecosystems represents a global challenge to successfully integrate available science with sustainable management practices. Multiaged Silviculture covers the ecology and dynamics of multiaged stands, the management operations associated with regeneration, tending, and stocking control, and the implications of this strategy on production, genetic diversity, and stand health. It is primarily aimed at graduate level students and researchers in the fields of forestry and silviculture, but will also be of relevance and use to all professional foresters and silviculturists.

Rare Breeds and Plant Varieties in the Carpathian Mountains Aug 28 2019

Climate and Land Use Impacts on Natural and Artificial Systems Sep 09 2020 Climate and Land Use Impacts on Natural and Artificial Systems: Mitigation and Adaptation provides in-depth information on the linkages between climate change and land use, how they are related, how land use is shifting over time, and the major global regions at risk for climate and land use changes. This comprehensive resource discusses climatic factors and processes that impact natural and artificial systems, as well as the relationship between climate change and both natural and man-made hazards. The book includes case studies and original maps to provide real-life examples of climate change and land use over regions around the globe. In addition, the book presents future perspectives on mitigation and adaptation of the climate change impact. Summarizes current research on land use and climate change Provides future perspectives on climate change using climate models Includes case studies to provide real-life examples from various countries Incorporates high level graphics, images, and maps to support reviews and case studies

Carpathians Environment Outlook Feb 24 2022

Forest Insects and Pathogens in a Changing Environment: Ecology, Monitoring & Genetics (IUFRO Joint Meeting of WP7.03.05 & 7.03.10) Apr 28 2022 After the successful conclusion of the Joint

Meeting of IUFRO's 7.03.05 & 7.03.10 working parties and given the exciting and novel studies that have been presented in the framework of this meeting, we decided to present some of these studies in the current Special Issue of Forests. To make this issue more appealing and interesting to everyone in the field of Forest Protection, studies that cover a wide range of topics were selected, ranging from ecology and phylogeography to forest management and protection. More importantly, as these studies refer to pests and pathogens from different parts of the world, it is expected that the knowledge gained can be further used in the protection of natural environment worldwide.

Ciomadul (Csomád), The Youngest Volcano in the Carpathians Jun 18 2021 This book delivers the present state-of-the-art of scientific characteristics of the unique Ciomadul volcano (Romania, East-Central Europe) from as many aspects as possible.. Multidisciplinary research results obtained on this geologically young volcanic complex are presented to a wider audience (geologists, volcanologists, botanists, archaeologists, historians and teachers). Moreover, the book provides information at a general level for interested laypersons and decision-makers. The first part of the book, after summarizing the research history of Ciomadul, presents the details of the volcanism and related topics (volcanology, geology, landscape evolution, minerals, post-volcanic activity and spa culture) in eight chapters; the second part deals with the palaeo-environmental issues of the larger area, along with human history, in nine chapters.

Petroleum Abstracts Jun 26 2019

Hydrological, Socioeconomic and Ecological Impacts of the North Atlantic Oscillation in the Mediterranean Region Apr 16 2021 The Mediterranean basin represents one of the most important "hot spots" of climate change in the world, with recent trends towards a hotter and drier climate being related to changes in atmospheric circulation patterns. Such changes can have significant impacts in the climate of this region but also on the natural environment and several socioeconomic activities. Among these patterns, the North Atlantic Oscillation (NAO) is one of the main forcing factors in the region with impact on extreme events such as droughts, severe precipitations or heat and cold waves, the availability of water resources, the ecological dynamics, the quality and quantity of crops, the migration and welfare of animal populations, the fisheries dynamics, the triggering of landslides and the air pollution and human health, among others. The aim of Hydrological, Socioeconomic and Ecological Impacts of the North Atlantic Oscillation in the Mediterranean Region, is to serve as an updated reference text that covers the wide range of evidences on the NAO impacts in the Mediterranean regions and from a multidisciplinary perspective. This volume constitutes a unique document to present the state of the art of the numerous studies undertaken on the hydrological, socioeconomic and ecological impact of the NAO, collecting the expertise of researchers from several complementary earth science fields (geography, hydrology, remote-sensing, climatology, agriculture, energy), but that have been lacking a common ground.

Analysis of Genetic Variation in Animals Jul 28 2019 Analysis of Genetic Variation in Animals includes chapters revealing the magnitude of genetic variation existing in animal populations. The genetic diversity between and within populations displayed by molecular markers receive extensive interest due to the usefulness of this information in breeding and conservation programs. In this concept molecular markers give valuable information. The increasing availability of PCR-based molecular markers allows the detailed analyses and evaluation of genetic diversity in animals and also, the detection of genes influencing economically important traits. The purpose of the book is to provide a glimpse into the dynamic process of genetic variation in animals by presenting the thoughts of scientists who are engaged in the generation of new idea and techniques employed for the assessment of genetic diversity, often from very different perspectives. The book should prove useful to students, researchers, and experts in the area of conservation biology, genetic diversity, and molecular biology.

Earthworm Ecology May 30 2022 Since the publication of the highly-successful first edition of Earthworm Ecology, there were two international symposia and an increased number of publications on the subject, demanding a revision of the book that addresses the most rapidly developing areas of earthworm research. Earthworm Ecology, Second Edition updates the most comprehens

Climate of the Romanian Carpathians Nov 04 2022 This book is a comprehensive climatic monograph, which addresses one of the most complex mountain environments in Europe, the Carpathians Chain, focusing on the branches that lie over Romania. The volume aggregates high quality input data, state-of-the-art techniques, regional analysis and overview perspectives, while addressing the spatial and temporal patterns of the main climatic elements. The study covers the period 1961-2010, for the present climate, while the perspective is extended up to 2050. The main climatic elements (e.g. air temperature, precipitation, wind) are analyzed, but some specific variables like snow depth and snow cover are also examined, both in terms of average behaviour and extreme characteristics. This is the first synthesis addressing the climate of this mountain region, and it provides useful information for scientists, mountain stakeholders, decision-makers and general public.

Dynamics of Neogene Carpathian Basins in Relation to Deep Structure, Crustal Type and Fuel Deposits May 18 2021

Scientific and Technical Aerospace Reports Dec 01 2019

Quaternary Glaciations - Extent and Chronology Oct 23 2021 The book presents an up-to-date, detailed overview of the Quaternary glaciations all over the world, not only with regard to stratigraphy but also with regard to major glacial landforms and the extent of the respective ice sheets. The locations of key sites are included. The information is presented in digital, uniformly prepared maps which can be used in a Geographical Information System (GIS) such as ArcView or ArcGIS. The accompanying text supplies the information on how the data were obtained (geomorphology, geological mapping, air photograph evaluation, satellite imagery), how the features were dated (14C, TL, relative stratigraphy) and how reliable they are supposed to be. All references to the underlying basic publications are included. Where controversial interpretations are possible e.g. in Siberia or Tibet, this is pointed out. As a result, the information on Quaternary glaciations worldwide will be much improved and supplied in a uniform digital format. The information on the glacial limits is compiled in digital form by the coordinators of the project, and is available for download at:

<http://booksite.elsevier.com/9780444534477/> Completely updated detailed coverage of worldwide Quaternary glaciations Information in digital, uniformly prepared maps which can be used in a GIS such as ArcView or ArcGis Step-by-step guideline how to open and use ArcGis files Possibility to convert the shapefiles into GoogleEarth kmz-files Availability of chronological controls

Advances in earthworm taxonomy Feb 01 2020

Cave and Karst Systems of Romania Jan 26 2022 This book focuses on Romania's more than 12,000 caves, which developed in limestone (including thermal water caves), salt, gypsum, and occasionally in sandstone. It examines these caves and related topics in a format suitable for cavers, while also addressing a broad range of aspects useful for students and researchers. Since the Institute of Speleology was first established by Emil Racovita in 1920, a great deal of research has been conducted on all cave and karst types. As such, the book examines a variety of scientific fields, including karst geology, hydrogeology, biospeleology, paleoclimatology, mineralogy and archaeology.

Landform Dynamics and Evolution in Romania Sep 02 2022 New and innovative scientific theories, discussion and explanations are presented on landform dynamics and evolution in Romania along with a comprehensive understanding of the geomorphological processes shaping the large variety of Romania's landscape. Thematically arranged the book deals with landform dynamics of specific relief types: glacial and periglacial, denudational, fluvio-denudational, fluvial, karst and coasts, as well as sediment fluxes, geomorphic hazards and risks. The authors are key scientists and researchers in the field and offer innovative views on research methods and concepts applied to the topics in question. This work will be of interest to students and researchers in geography, geomorphology, geology, environmental science, paleoclimatology and soil science as well as policy and decision-makers in spatial planning.

Detecting and Modelling Regional Climate Change Mar 28 2022 For the very first time, this book provides updated, integrated and organized, theoretical and methodological information on regional climate change and the associated environmental and socio-economic impacts on a regional scale. The

most recent findings in the field of long-term climate change, which improve our understanding of the global climate puzzle, will be presented. Readers are introduced to state-of-the-art research in downscaling and GCMs, which involve the construction of reliable regional climate scenarios and the solution to key problems regarding the assessment of the impacts of climate change in the most important geographical areas of the world, from the Arctic to Antarctic regions, with special emphasis on the Northern Hemisphere.

Water Resources Management in Romania Aug 01 2022 This book discusses water resources management in Romania from a hydrological perspective, presenting the latest research developments and state-of-the-art knowledge that can be applied to efficiently solve a variety of problems in integrated water resources management. It focuses on a wide range of water resources issues – from hydrology and water quantity, quality and supply to flood protection, hydrological hazards and ecosystems, and includes case studies from various watersheds in Romania. As such, the book appeals to researchers, practitioners and graduates as well as to anybody interested in water resources management.

An International History of Mammalogy: Eastern Europe and Fennoscandia Feb 12 2021

Forest Tree Breeding in Europe Oct 11 2020 Forest tree breeding has been ongoing for more than 70 years across Europe. It has successfully generated improved varieties for the major economical forest tree species. They are part of the present European forestry landscape and largely contribute to intensive wood production and other forest activities. In this book, we describe the state-of-art of breeding for the main forest tree species. We provide a comprehensive, unique and up-to-date overview of the major scientific results and breeding achievements gathered from the many programmes scattered across Europe. The book is divided into 10 chapters, each as a monograph corresponding to a species or group of species *Abies* spp., (*Larix* spp., *Picea abies*, *Picea sitchensis*, *Pinus sylvestris*, *Pseudotsuga menziesii*, and Mediterranean pines; *Acer pseudoplatanus*, *Fraxinus excelsior*, and *Prunus avium*). Each of them is written by a group of experts and focuses on the distribution and economical importance of the species; motivation for breeding and breeding objectives; intraspecific genetic variability, breeding populations and breeding strategy; forest reproductive material deployment including mass-propagation and, prospects and perspectives for joint research and breeding. The book is a unique and up-dated source of information for students, researchers and professionals interested in the genetics and domestication of forest tree species.

Ungulate Management in Europe Apr 04 2020 This book considers a number of problems posed by ungulates and their management in Europe. Through a synthesis of the underlying biology and a comparison of the management techniques adopted in different countries, the book explores which management approaches seem effective - and in which circumstances. Experts in a number of different areas of applied wildlife biology review various management problems and alternative solutions, including the impact of large ungulates on agriculture, forestry and conservation habitats, the impact of disease and predation on ungulate populations and the involvement of ungulates in road traffic accidents and possible measures for mitigation. This book is directed at practising wildlife managers, those involved in research to improve methods of wildlife management, and policy-makers in local, regional and national administrations.

Západné Karpaty Jan 02 2020

Innovation Issues in Water, Agriculture and Food Dec 13 2020 In a worldwide context of ever-growing competition for water and land, climate change, droughts and man-made water scarcity, and less-participatory water governance, agriculture faces the great challenge of producing enough food for a continually increasing population. In this line, this book provides a broad overview of innovation issues in the complex water – agriculture – food nexus, thus also relative to their interconnections and dependences. Issues refer to different spatial scales, from the field or the farm to the irrigation system or the river basin. Multidisciplinary approaches are used when analyzing the relationships between water, agriculture, and food security. The covered issues are quite diverse and include: innovation in crop evapotranspiration, crop coefficients and modeling; updates in research relative to crop water use and saving; irrigation scheduling and systems design; simulation models to support water and

agricultural decisions; issues to cope with water scarcity and climate change; advances in water resource quality and sustainable uses; new tools for mapping and use of remote sensing information; and fostering a participative and inclusive governance of water for food security and population welfare. This book brings together a variety of contributions by leading international experts, professionals, and scholars in those diverse fields. It represents a major synthesis and state-of-the-art on various subjects, thus providing a valuable and updated resource for all researchers, professionals, policymakers, and post-graduate students interested in the complex world of the water – agriculture – food nexus.

Landslide Science and Practice Jun 06 2020 This book contains peer-reviewed papers from the Second World Landslide Forum, organised by the International Consortium on Landslides (ICL), that took place in September 2011. The entire material from the conference has been split into seven volumes, this one is the sixth: 1. Landslide Inventory and Susceptibility and Hazard Zoning, 2. Early Warning, Instrumentation and Monitoring, 3. Spatial Analysis and Modelling, 4. Global Environmental Change, 5. Complex Environment, 6. Risk Assessment, Management and Mitigation, 7. Social and Economic Impact and Policies.

The Carpathians: Integrating Nature and Society Towards Sustainability Sep 21 2021 The book includes a broad spectrum of perspectives from different scientific disciplines (both the natural and social sciences) as well as practical knowledge. It gives a new insight into the Carpathian mountain region