

Burkina Faso Natural Sciences

Scientific and Technical Aerospace Reports
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 Worldmark Encyclopedia of the Nations
 Mapping research and innovation in the Republic of Malawi
 Sub-Saharan African Science, Technology, Engineering, and Mathematics Research
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 International Higher Education Volume 1
 Livestock Genomics and Community-based Breeding Strategies in Low-and-Middle-Income Countries: Challenges, Opportunities and Future Perspectives
 Societies and Nature in the Sahel
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 Historical Dictionary of the United Nations Educational, Scientific and Cultural Organization (UNESCO)
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 Issues in Life Sciences—Acarology, Arachnology, and Entomology: 2013 Edition
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 Natural Resource Governance in Asia
 Issues in Life Sciences: Bacteriology, Parasitology, and Virology: 2011 Edition
 Genetics Fundamentals Notes
 China's e-Science Blue Book 2020
 Issues in Life Sciences: Muscle, Membrane, and General Microbiology: 2011 Edition
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 Life Sciences Organizations and Agencies Directory
 The Environment Encyclopedia and Directory 2001
 A Natural History of the Future
 Towards Shared Research
 Education for All 2000-2015: Achievements and challenges
 Fifty Years of Women in Mathematics

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MAXIMILLIAN FITZPATRICK

Scientific and Technical Aerospace Reports National Academies Press

The volume analyses major strategic and policy issues. How to make Science, Technology and Innovation (STI) Policies relevant for inclusive growth strategies in Africa so that socio-economic transformation strategies will take off. The first part discusses the issues of human skills development as part of STI policies, based on visions, strategic plans and country cases (for Cameroon, Nigeria and Mauritania). The second part looks at STI Policies for Economic Transformation, focussing on country case studies (for Egypt and Tunisia). A third part presents book reviews and book notes.

Issues in Life Sciences—Zoology: 2013 Edition ScholarlyEditions

Intercultural, interdisciplinary, and transdisciplinary research interfaces confront researchers with considerable challenges. Towards Shared Research portrays how scholars from different disciplinary and geographical origins and at various academic career stages strive for a more inclusive and better understanding of knowledge about African environments. The book is addressed to researchers, facilitators, and policy-makers to make a case for participatory and integrative approaches resulting in systemic and co-created analyses.

Worldmark Encyclopedia of the Nations ScholarlyEditions

Natural Resource Governance in Asia: From Collective Action to Resilience Thinking identifies key leverage points where interventions can be made surrounding current and future impacts of ongoing environmental and sociopolitical challenges. The book utilizes case studies from Asia, a key demographic for natural resource management, that can be applied globally in understanding solutions and the current state of knowledge in natural resource dynamics. Users will find valuable sections on community forestry and socioecological systems, community irrigation, competing water demand, robustness issues, climate change, and natural resource dynamics and challenges. This interdisciplinary tome on the topic is invaluable to researchers and policymakers alike. - Combines collective action and resilience thinking to help readers understand complex issues and challenges in natural resource management - Presents methods and case studies to validate theory in practice - Includes up-to-date research applied to current issues to address both current and future risks and uncertainties

Mapping research and innovation in the Republic of Malawi Routledge

The Association for Women in Mathematics (AWM), the oldest organization in the world for women in mathematics, had its fiftieth anniversary in 2021. This collection of refereed articles, illustrated by color photographs, reflects on women in mathematics and the organization as a whole. Some articles focus on the situation for women in mathematics at various times and places, including other countries. Others describe how individuals have shaped AWM, and, in turn, how the organization has impacted individuals as well as the broader mathematical community. Some are personal stories about careers in mathematics. Fifty Years of Women in Mathematics: Reminiscences, History, and Visions for the Future of AWM covers a span from

AWM's beginnings through the following fifty years. The volume celebrates AWM and its successes but does not shy away from its challenges. The book is designed for a general audience. It provides interesting and informative reading for people interested in mathematics, gender equity, or organizational structures; teachers of mathematics; students at the high school, college, and graduate levels; and members of more recently established organizations for women in mathematics and related fields or prospective founders of such organizations.

Sub-Saharan African Science, Technology, Engineering, and Mathematics Research National Academies Press

Issues in Genetic Medicine / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Genetic Medicine. The editors have built Issues in Genetic Medicine: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Genetic Medicine in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Genetic Medicine: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

UNESCO science report UNESCO

Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. Volume V, edited by Jonathan Kingdon and Michael Hoffmann, comprises 83 species of carnivores, and includes jackals, wolves, dogs, foxes, weasels, polecats, striped weasels, Zorilla, otters, Ratel, fur seals, monk seals, Palm Civet, cats, genets, linsangs, African Civet, hyaenas, Aardwolf and mongooses. The volume is completed with profiles of four pangolins, four zebras and two rhinoceroses.

International Higher Education Volume 1 Frontiers Media SA

Issues in Life Sciences: Muscle, Membrane, and General Microbiology: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Life Sciences—Muscle, Membrane, and General Microbiology. The editors have built Issues in Life Sciences: Muscle, Membrane, and General Microbiology: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Life Sciences—Muscle, Membrane, and General Microbiology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Life Sciences: Muscle, Membrane, and General Microbiology: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Livestock Genomics and Community-based Breeding Strategies in Low-and-Middle-Income Countries: Challenges, Opportunities and Future Perspectives Böhlau Verlag Wien

This open access book surveys the frontier of scientific river research and provides examples to guide management towards a sustainable future of riverine ecosystems. Principal structures and functions of the biogeosphere of rivers are explained; key threats are identified, and effective solutions for restoration and mitigation are provided. Rivers are among the most threatened ecosystems of the world. They increasingly suffer from pollution, water abstraction, river channelisation and damming. Fundamental knowledge of ecosystem structure and function is necessary to understand how human activities interfere with natural processes and which interventions are feasible to rectify this. Modern water legislation strives for sustainable water resource management and protection of important habitats and species. However, decision makers would benefit from more profound understanding of ecosystem degradation processes and of innovative methodologies and tools for efficient mitigation and restoration. The book provides best-practice examples of sustainable river management from on-site studies, European-wide analyses and case studies from other parts of the world. This book will be of interest to researchers in the field of aquatic ecology, river system functioning, conservation and restoration, to postgraduate students, to institutions involved in water management, and to water related industries.

Societies and Nature in the Sahel A&C Black

Building upon presentations given during the conference on 'Disaster Risk Reduction for Natural Hazards: Putting Research into Practice', held at University College London in November 2009, the articles collected in this book examine how natural hazards research is accessed and used by practitioners and decision-makers, and conversely, how policy and practice inform research. As with the conference, this book successfully brings together views from humanitarian and development agencies, academia, business, government and funding bodies. It is rare to engage such a wide range of sectors in a discussion relating to the issues of disaster risk reduction from a natural hazards perspective, and the book captures this interaction and the resultant exchange of ideas, thus providing an insight into how stakeholders respectively undertake or engage with natural hazards research. Collectively, the articles highlight the need for greater dialogue, understanding and collaboration between all these sectors if research is to be made relevant and generate significant impact on risk reduction policy and practice. There is an urgent requirement to better understand the respective needs, ways of working, project timescales and funding mechanisms for disaster risk reduction, as well as the challenges posed by institutional and organizational structures and functions. These issues must be overcome to ensure that ultimately, and most significantly,

discussions turn into positive practical actions so that research on natural hazards is relevant and applicable. The book represents a step in that journey. This book was published as a special issue of Environmental Hazards.

Globalization, Biosecurity, and the Future of the Life Sciences UNESCO Publishing

Issues in Life Sciences—Muscle, Membrane, and General Microbiology: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Membrane Biology. The editors have built Issues in Life Sciences—Muscle, Membrane, and General Microbiology: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Membrane Biology in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Life Sciences—Muscle, Membrane, and General Microbiology: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Riverine Ecosystem Management Rowman & Littlefield

This book analyzes Africa's current performance in Science, Technology, Engineering and Math (STEM) research, as well as future trends. It looks at Africa's research performance over a decade, what it means for the continent's development and how it can benefit the growing number of young people who leave university each year looking for jobs. The book focuses on research output and citation impact, important indicators of the strength of a region's research enterprise. These indicators are correlated with the region's long-term development and important drivers of economic success. Moreover, research is a key ingredient for quality higher education. The research performance of these regions is compared to that of South Africa, Malaysia, and Vietnam; the latter two countries had a comparable research base to the SSA regions at the beginning of the period of analysis.

Historical Dictionary of the United Nations Educational, Scientific and Cultural Organization (UNESCO) Bloomsbury Publishing

Issues in Biological and Life Sciences Research: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Biological and Life Sciences Research. The editors have built Issues in Biological and Life Sciences Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Biological and Life Sciences Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Biological and Life Sciences Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Trends in Landscape, Agriculture, Forest and Natural Science Gale Cengage

There are fewer grounds today than in the past to deplore a North-South divide in research and innovation. This is one of the key findings of the UNESCO Science Report: towards 2030. A large number of countries are now incorporating science, technology and innovation in their national development agenda, in order to make their economies less reliant on raw materials and more rooted in knowledge. Most research and development (R&D) is taking place in high-income countries, but innovation of some kind is now occurring across the full spectrum of income levels according to the first survey of manufacturing companies in 65 countries conducted by the UNESCO Institute for Statistics and summarized in this report. For many lower-income countries, sustainable development has become an integral part of their national development plans for the next 10-20 years. Among higher-income countries, a firm commitment to sustainable development is often coupled with the desire to maintain competitiveness in global markets that are increasingly leaning towards 'green' technologies. The quest for clean energy and greater energy efficiency now figures among the research priorities of numerous countries. Written by more than 50 experts who are each covering the country or region from which they hail, the UNESCO Science Report: towards 2030 provides more country-level information than ever before. The trends and developments in science, technology and innovation policy and governance between 2009 and mid-2015 described here provide essential baseline information on the concerns and priorities of countries that could orient the implementation and drive the assessment of the 2030 Agenda for Sustainable Development in the years to come.

The Next Generation of Scientists in Africa Basic Books

Issues in Life Sciences: Bacteriology, Parasitology, and Virology: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Life Sciences—Bacteriology, Parasitology, and Virology. The editors have built Issues in Life Sciences: Bacteriology, Parasitology, and Virology: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Life Sciences—Bacteriology, Parasitology, and Virology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Life Sciences: Bacteriology, Parasitology, and Virology: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Issues in Life Sciences—Muscle, Membrane, and General Microbiology: 2013 Edition Routledge

Low-and-Middle-Income Countries (LMICs) are home to diverse populations of livestock species adapted to various agro-ecological zones, production systems, and harsh environmental conditions. However, the livestock in LMICs have not been systematically improved and current low levels of productivity do not meet the demand for livestock products by a growing population. Recent advances in next-generation sequencing and genotyping technologies have enabled the application of genomic selection in various livestock species in some western countries with great success. Despite the low adoption of genomic breeding in LMICs livestock industry, various studies and programs were initiated and some are still ongoing. Furthermore, community-based breeding programs (CBBP) have been initiated in many LMICs with great benefits for smallholder livestock farmers. CBBPs are based on the active participation of farmers from inception through to implementation and consider their needs, views, decisions, breeding

objectives, and available infrastructure. In Africa for instance, small ruminants CBBPs have generated substantial genetic gains and socioeconomic benefits for rural poor farmers. However, the current challenges affecting the data recording and genetic evaluation of the CBBPs in LMICS are yet to be fully reported. Furthermore, the CBBPs are yet to integrate genomic selection in their breeding strategies. For sustainable livestock breeding in LMICS, there is a need to assess the current status of livestock genomics and community-based breeding strategies to identify the challenges and suggest mitigating strategies and future improvement strategy plans. In this Research Topic, we aim to collect findings from past and current livestock genomics and community-based breeding programs, the challenges, the lessons learned, the opportunities, and future perspectives.

[Natural Hazards and Disaster Risk Reduction](#) World Bank Publications

APPEAR - »Austrian Partnership Programme in Higher Education and Research for Development« - wird von der Österreichischen Entwicklungszusammenarbeit finanziert und fördert Kooperationen in den Bereichen Lehre, Forschung und Management zwischen österreichischen Hochschulen und Universitäten, bzw. wissenschaftlichen Einrichtungen in insgesamt 13 Partnerländern. APPEAR ist nicht an einseitigem Wissenstransfer interessiert, sondern schafft transdisziplinäre und transnationale Räume des Lernens und gemeinsamen Forschens. Im Rahmen des seit 2009 laufenden Programmes wurden bislang 17 akademische Partnerschaften in lateinamerikanischen und afrikanischen Ländern; bzw. in Nepal realisiert, die in dem Reader vorgestellt werden. Dabei zeigen sich spannende Möglichkeiten partizipativer und transkultureller Wissensproduktion, die insbesondere auch für nachhaltige Entwicklungswege in den betroffenen Ländern von hoher Relevanz ist.

[Issues in Genetic Medicine: 2011 Edition](#) ScholarlyEditions

Charts the emerging world awareness of environmental issues. Provides an A-Z glossary of key terms, a comprehensive directory, an extensive bibliography, detailed maps and a Who's Who.

Appear Academic Press

Biomedical advances have made it possible to identify and manipulate features of living organisms in useful ways-leading to improvements in public health, agriculture, and other areas. The globalization of scientific and technical expertise also means that many scientists and other individuals around the world are generating breakthroughs in the life sciences and related technologies. The risks posed by bioterrorism and the proliferation of biological weapons capabilities have increased concern about how the rapid advances in genetic engineering and biotechnology could enable the

production of biological weapons with unique and unpredictable characteristics. Globalization, Biosecurity, and the Future of Life Sciences examines current trends and future objectives of research in public health, life sciences, and biomedical science that contain applications relevant to developments in biological weapons 5 to 10 years into the future and ways to anticipate, identify, and mitigate these dangers.

African Acronyms and Abbreviations Frontiers Media SA

Established in the aftermath of World War II, UNESCO succinctly states its peace mission as well as its peaceful resolution to peace in its Constitution—constructing the “defenses of peace” in the minds of peoples on the “intellectual and moral” grounds. For more than seven decades, UNESCO has been consistently positioning peace as its unwavering core and ultimate goal through promoting international understanding and cooperation in and across its five major sectors of competence in education, natural sciences, culture, communication and information, and social and human sciences. Historical Dictionary of the United Nations Educational, Scientific and Cultural Organization (UNESCO), Second Edition contains a chronology, an introduction, and an extensive bibliography. The dictionary section has more than 700 cross-referenced entries on UNESCO’s initiatives, programs, projects, normative instruments, and partners over the past 76 years. This book is an excellent resource for students, researchers, and anyone wanting to know more about UNESCO.

Mammals of Africa: Volume V Psychology Press

This up-to-date and comprehensive textbook is essential reading material for advanced undergraduate and graduate students with a course module in genetics and developmental biology. The book provides clear, concise, and rigorous foundational concepts of genetics. It opens with an introductory chapter that provides an overview of genetics. The book includes separate and detailed sections on classical genetics, molecular genetics, and population genetics. It covers basic and foundational principles such as Mendelian genetics, chromosomal theory, transcription, translation, mutation, and gene regulation. It further includes chapters on advanced topics such as molecular genetic techniques, genomics, and applied molecular genetics. The concluding section includes chapters on population genetics, developmental genetics, and evolutionary genetics. The chapters are written by authors with in-depth knowledge of the field. The book is replete with interesting examples, case studies, questions and suggested reading. It is useful to students and course instructors in the field of human genetics, developmental biology, life sciences, and biotechnology. It is also meant for researchers who wish to further their understanding about the fundamental concepts of genetics.

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