

Science In Africa

Alain L. Fymat, Joachim Kapalanga

Science In Africa:

In Search of Modernity Paul Tiyambe Zeleza, Ibulaimu Kakoma, 2003 Having grappled with the question of modernisation for a long time Africa now faces an issue that with an increasingly knowledge based global economy has only become more urgent in this new millennium This volume examines Africa's scientific and technological literacy production and consumption focusing in detail on the constraints and challenges opportunities and developments and the strategies required to promote the advancement of IT and biotechnology in Africa to help advance our understanding of science and technology developments in Africa Science, Policy and Development in Africa R. Sooryamoorthy, 2020-09-03 An historical and empirical study of science in Africa bringing to light connections between science policy and development Science in Africa Edgar Barton Worthington, 1938

Open Science in Africa Katie Wilson, Rania Mohamed Hassan Baleela, Heila Pienaar, Martie Van Deventer, Dale Peters, 2023-08-30 There is an ongoing transition in the research enterprise towards Open Science OS increasing transparency in researchers collaboration knowledge exchange and how science is organized The Open Access OA movement can be seen as a case study of the challenges that this transition can present For example despite all the advantages of OA and the fact that the concept is exceptionally strong as a principle it is yet to be implemented across all institutions particularly in Africa Even though research productivity from the African continent has increased over the last two decades the global north still dominates the scholarly communication and publication sphere High article processing charges APCs can make it difficult for some African researchers to publish in highly rated and respected academic journals which are critical to their career advancement Fee waivers and discounts are available but eligibility and percentages vary by publisher

and predatory publishing presents a challenge to African researchers In addition the exclusion of many African publication sources from the major bibliographic databases such as Scopus and the Web of Science skews and limits bibliometric analysis and influences the outcomes of world university rankings This Research Topic aims to investigate the transition to OS in the African continent This will include researchers and other stakeholders support services policy makers concerns regarding OS as well as the advantages it offers them Moreover the role of new technologies is also of interest in the implementation of OA as it is the knowledge divide between different countries and regions It is also crucial to address what needs to change in the research enterprise to make OS a worthwhile venture practice for most researchers and research role players and how they can cope with the contradictory challenges Science Research and Education in Africa Alain L. Fymat, Joachim Kapalanga, 2017-03-07 For various economic and political reasons many African countries lag behind the rest of the industrialised world in scientific and medical research and development However the presence of intellectual islands scattered across the continent gives hope that this is only a transient situation on the cusp of undergoing a profound and beneficial change For this reason the Society for the Advancement of Science in Africa was established to catalyse and contribute to this needed evolution Its mission is to contribute to Africa's economic advancement and sustainability through science research education and innovation This book provides a selection of papers from the Advancement of Science in Africa s third annual conference The conference was held under the overarching theme of science research and education in Africa with several important sub themes including but not limited to improving health research and disease surveillance education epidemic diseases with high mortality promoting women's interest in science careers fostering youth development with science education The collection illustrates how although the chapter contributors come from various countries and universities representing their own academic research they all share a common interest in advancing science research and education in Africa Science in Africa Edgar Barton Worthington, 1938 Advancing Africa's Sustainable Development Society for the Advancement of Science in Africa. Annual International Scientific Conference, 2018 While many African countries lag behind the rest of the industrialised world in scientific and medical research and development the situation is progressively improving This is why the Society for the Advancement of Science in Africa was established to contribute to economic advancement and sustainability through science research education and innovation This book provides a selection of papers from the Advancement of Science in Africas fourth annual conference The conference was held under the overarching theme of science technology and innovation in Africa with several important sub themes including but not limited to improving health research and disease surveillance education collaborating in research responding to epidemic diseases with high mortality in Africa and promoting women s interest in science careers The collection illustrates how although the chapter contributors come from various countries and universities representing their own academic research they all share a common interest in advancing science technology and innovation in Africa **Independent Africa**,

Dependent Science R. Sooryamoorthy, 2023-10-28 This book offers an examination of Africa's scientific landscape based on extensive empirical data encompassing fifty four African countries It traces the evolution of science on the continent highlighting research areas global partnerships funding sources research capacity and the impact of science policies Acknowledging that Africa relies heavily on external sources particularly from the Global North for scientific research the book identifies and addresses obstacles hindering self reliance and underscores the urgent need for revitalized partnerships and cooperation to bolster Africa's scientific autonomy. It offers valuable recommendations to promote self reliance making it What Do Science, Technology, and Innovation an indispensable resource for scholars policymakers and practitioners Mean from Africa? Clapperton Chakanetsa Mavhunga, 2017-06-09 Explorations of science technology and innovation in Africa not as the product of technology transfer from elsewhere but as the working of African knowledge In the STI literature Africa has often been regarded as a recipient of science technology and innovation rather than a maker of them In this book scholars from a range of disciplines show that STI in Africa is not merely the product of technology transfer from elsewhere but the working of African knowledge Their contributions focus on African ways of looking meaning making and creating The chapter authors see Africans as intellectual agents whose perspectives constitute authoritative knowledge and whose strategic deployment of both endogenous and inbound things represents an African centered notion of STI Things do not always mean the same from everywhere observes Clapperton Chakanetsa Mavhunga the volume s editor Western colonialist definitions of STI are not universalizable. The contributors discuss topics that include the trivialization of indigenous knowledge under colonialism the creative labor of chimurenga the transformation of everyday surroundings into military infrastructure the role of enslaved Africans in America as innovators and synthesizers the African ethos of fixing the constitutive appropriation that makes mobile technologies African and an African innovation strategy that builds on domestic capacities The contributions describe an Africa that is creative technological and scientific showing that African STI is the latest iteration of a long process of accumulative multicultural knowledge production Contributors Geri Augusto Shadreck Chirikure Chux Daniels Ron Eglash Ellen Foster Garrick E Louis D A Masolo Clapperton Chakanetsa Mavhunga Neda Nazemi Toluwalogo Odumosu Katrien Pype Scott Remer **Science in Africa** American Association for the Advancement of Science. Sub-Saharan Africa Program, 1992 Science in Africa American Association for the Advancement of Science. National Meeting, 1991 Sub-Saharan African Science, Technology, Engineering, and Mathematics Research Andreas Blom, George Lan, Mariam Adil, 2015-12-21 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 Paulin Hountondji and the Science Ouestion in Africa Zeyad el Nabolsy, 2025-07-18 This book offers a systematic reconstruction of Paulin Hountondji's contributions to the debate about the place of modern science on the African continent The book shows that Hountondji develops an account of modern science that is sociologically sensitive to the entanglement between modern science and colonialism on the African continent without falling into epistemic relativism about the claims of modern science It is argued that Hountondji s views on modern science express a strong historical materialist influence and that he develops a theory of science that draws both on the Hessen Grossmann hypothesis and dependency theory Thus this book brings together two strands of historical materialist thought about science that have hitherto been isolated from one another This book is of interest to scholars who specialize in African philosophy history and philosophy of science global philosophy and African studies Africa Since 1935 Ali Al'Amin Mazrui, Christophe Wondji, Unesco. International Scientific Committee for the Drafting of a General History of Africa, 1993 V 1 Methodology and African prehistory v 2 Ancient civilizations of Africa v 3 Africa from the seventh to the eleventh century v 4 Africa from the twelfth to the sixteenth century v 5 Africa from the sixteenth to the eighteenth century v 6 The nineteenth century until the 1880s v 7 Africa under foreign domination 1880 1935 v 8 Africa since 1935 *Introducing African Science* Jonathan O. Chimakonam, 2012-08-20 You are about to read a much needed book that will open your eyes to the Africa that has been hidden from us Thinking out of the box of Western thought pattern Dr Jonathan has been able to give to the world this revolutionary masterpiece in the intellectual history of Africa By systematizing African science he has emphasized that more than one cock crows We may therefore call him the Demiurge of new African renaissance Mary Nelson Sankofa Directions Houston Texas USA Se wo were fi na wosan kofa a yenkyi Learning from the past in building the future With this masterpiece Dr Jonathan has answered all the critics of Africas intellectual and inventive ability He has opened a door to Africas authentic renaissance The work is a beacon in Africas history and the author has emerged as one of the continents brightest minds Chris Iwarah The Sun Newspaper With this towering intellectual accomplishment Dr Jonathan Chimakonam has not only proven that Africans are capable of revolutionary thoughts but has emerged as one of the leading original thinkers on the continent In fact in this piece of adorable literature Jonathan could be said to have done for Africa what thinkers like Francis Bacon did for the West Prof G O Ozumba Head Department of Philosophy University of Calabar Nigeria What Jonathan has done is not different from what the builders of Western science did In fact he has taken his seat as the Francis Bacon of African science project and it would not be out of place if one describes him in the future as the father of African science Okechukwukelu Okonkwo Deputy Director Programmes Anambra Broadcasting Service This book is a great exploration into a rich repository of wisdom and knowledge which needs to be recaptured It is African renaissance that will

reposition Africa in the world of technology and development This is both challenging and refreshing With emerging scholars like Jonathan there is hope for Africa Hakuna Matata Venerable Professor Udobata Onunwa Director International Center for the Study of African Languages and Culture Birmingham UK

A Parliament of Science Michael Tobias, Teun Timmers, Gill Wright, 2003-09-11 Interviews with scientific leaders focus on the challenges promises and perils of science and technology

Reviewing Science In Africa: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Science In Africa**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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