

Renewable Energy is an international, multi-disciplinary journal in renewable energy engineering and research. The journal aims to be a leading peer-reviewed platform and an authoritative ...

Energy Landscape and Renewable Energy Resources in Nigeria: A Review. Ebuwa Elisabeth Eweka, Enrique Lopez-Arroyo, Christian Oluwaremilekun Medupin, Abiola Oladipo, Luiza Cintra Campos. ... International Journal of Renewable Energy Development, 13 (2), 2024. doi: 10.61435/ijred.2024.60119; Last update: 2024-11-01 02:39:13. No citation recorded. ...

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The results presented in this paper stem from the International Renewable Energy Agency's (IRENA) in-depth global energy modelling framework - REmap ... This is a result of energy resource endowment, the energy demand projection, the current renewables share and other factors. ... Wall Street Journal, 1 st November. Dow Jones & Company, Boston ...

Renewable energy is an emerging trend to replace fossil fuels as a primary energy source. However, the intermittency of sources and high investment costs inhibit the full-scale adoption of renewable energy as the principal energy producer. This study presented a stand-alone hybrid renewable energy system, comprising solar panels and wind turbines as the ...

The journal seeks to promote and disseminate knowledge of the various topics and technologies of renewable energy and therefore aimed at assisting researchers, economists, manufactures, world agencies and societies to keep abreast of new developments in their specialist fields and to unite in finding alternative energy solutions to current issues as the greenhouse effect and the ...

International Journal of Energy Research. Volume 43, Issue 12 p. 6171-6210. ... (DG) incorporating renewable energy resources (RERs). But there are associated challenges with high penetration of RERs as these resources are unpredictable and stochastic in nature, and as a result, it becomes difficult to provide immediate response to demand ...

A systematic approach to assessing the sustainability of the Renewable Energy Standard (RES) under the proposed American Renewable Energy Act (H.R. 890). International Journal of Global Energy Issues, 32 (1-2), pp. 139-159. CrossRef Google Scholar

If these suggestions are implemented, the sustainability of renewable energy resources would be addressed as

well as the seventh and thirteenth goal of sustainable development which seeks to ensure access to affordable, reliable, sustainable, modern energy for all and combat climate change and its impact. ... International Journal of Scientific ...

The Journal of Renewable and Sustainable Energy is an interdisciplinary journal covering specific areas of renewable and sustainable energy relevant to the physical science and engineering ...

Cheaper, affordable, and clean energy is a requirement to achieve sustainable development goals (Zakari et al. 2022; Opoku et al. 2024) can be argued that improving productivity will significantly reduce CO<sub>2</sub> emissions from the energy sector. At the same time, the establishment of renewable energy sources will accelerate the movement towards a carbon ...

The International Renewable Energy Agency (IRENA) stated that ~86% (187 GW) of renewable capacity added in 2022 had lower costs than electricity generated from fossil fuels. [166] ... Most developing countries have abundant renewable energy resources, including solar energy, ...

International Journal of Sustainable Development & World Ecology ... This study examines the extent to which green energy vectoring renewable energy and nuclear energy moderates the effects of natural resource dependence and digitalization on environmental sustainability (measured by carbon emissions per capita and ecological footprint) in ...

Renewable energy resources, which depend on climate, may be susceptible to future climate change. ... (International Renewable Energy Agency, 2019). ... About the journal. Aims & Scope

In 2022, annual U.S. renewable energy generation surpassed coal for the first time in history. By 2025, domestic solar energy generation is expected to increase by 75%, and wind by 11%. The United States is a resource-rich country with enough renewable energy resources to generate more than 100 times the amount of electricity Americans use each ...

4 days ago; International Journal of Green Energy shares multidisciplinary research results in the fields of energy research, energy conversion, energy management, and energy conservation, with a particular interest in advanced, environmentally friendly energy technologies. We publish research that focuses on the forms and utilizations of energy that have no, minimal, or reduced ...

The Journal of Renewable and Sustainable Energy (JRSE) is an interdisciplinary, peer-reviewed journal covering discovery, generation, conversion and end-use of renewable and sustainable energy (RSE) relevant to the physical science and engineering communities. Specifically, JRSE focuses on new insights or creative methodologies that addresses the challenges of ...

The International Journal of Renewable Energy Development (IJRED) is an open access and peer-reviewed

journal published by the Center of Biomass and Renewable Energy (CBIORE) at Diponegoro University in Indonesia. The journal aims to promote renewable energy research and development, and to provide a link between scientists and practitioners.

Moreover, specialised agencies in the energy sector also contribute to the definition and characteristics of DERs. For instance, IRENA [6] mentioned that DERs are various types of sources and technologies operated at low or medium voltage levels; they could be distributed generators, batteries, residential water heaters, DR, EV, and heating from renewable energy.

The journal also welcomes papers on related topics such as energy conservation, energy efficiency, biomass and bioenergy, renewable energy, electricity supply and demand, energy storage, energy in buildings, and on economic and policy issues, provided such topics are within the context of the broader multi-disciplinary scope of Energy.

1 INTRODUCTION. Rural electrification is the process of providing electrical power to rural and remote areas where there is no grid expansion [1- 3]. Although there is advancement in the overall global electrification rate from 76% in 1990 to 85% in 2012, and huge efforts have been made by practitioners in recent years, universal access to clean electricity is still far from ...

An official report by International Energy Agency (IEA) states that the demand on fossil fuel usage to generate electricity has started to decrease since year 2019, along with the ...

Journal of Renewable Energy. Volume 2024, Issue 1 2329261. Review Article. Open Access. ... Energy resources such as fossil fuels can be used to meet consumer demand because they can be easily stored while not in use despised their well-established pollution impacts which have precipitated a serious climate change and serious carbon foot print ...

The impact of renewable energy on sustainable development is greater than the impact of non-renewable energy. In this respect, as the renewable energy amount increases, the level of sustainable development increases. According to these results, the fact that countries use renewable energy more than non-renewable energy sources is extremely ...

Original paper, technical notes/letters published in all fields of renewable energy. Case studies and papers that describe original work applicable to engineering practice are particularly ...

Journal of Renewable Energy publishes papers relating to the science and technology of renewable energy generation, distribution, storage, and management. It also covers the environmental, societal, and economic impacts of renewable energy.

International Journal of Energy Research. Volume 2024, Issue 1 8258624. Research Article. Open Access. ...

The availability of renewable energy resources presents opportunities to replace carbon-intensive energy sources and substantially curb emissions of greenhouse gas. Furthermore, the integration of renewable energy sources leads to stable ...

Conventional energy source based on coal, gas, and oil are very much helpful for the improvement in the economy of a country, but on the other hand, some bad impacts of these resources in the environment have bound us to use these resources within some limit and turned our thinking toward the renewable energy resources. The social, environmental, and ...

International Journal of Thermofluids. Volume 20, November 2023, 100498. Renewable energy systems: Comparisons, challenges and barriers, sustainability indicators, and the contribution to UN sustainable development goals ... Renewable energy resources (RERs) are considered to be the ultimate solution to the energy supply challenge. RERs are ...

An emerging trend in the energy sector led to a hot debate on the effect of renewable on international trade (Khan et al., 2019a; Kasperowicz et al., 2020), following studies investigated the role of renewable energy in economic growth and environmental sustainability, which has become a well-liked direction of research in the field of energy ...

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