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Energy demand in Kenya is overgrowing just as population increase as well as growth in the economy. Kenyan Government's program of Vision 2030 has put forward ambitious plans for future economic growth with hopes of making Kenya 's economy to be a middle-income by 2030 [1, 2, 4].The major problem facing the country is the lack of investment in power ...

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Investment in emerging renewable energy technologies is essential if the global energy sector is to transition from fossil-based toward zero-carbon by the second half of this century, limiting the impacts of climate change. 1 Many of these emerging technologies are based on a resource that surrounds us--the ocean.

Although there are many forms of ocean energy ...

Renewable energy generation from livestock waste for a sustainable circular economy in Bangladesh KM Nazmul Islam, Tapan Sarker, Farhad Taghizadeh-Hesary, Anashuwa Chowdhury Atri, Mohammad Shafiul Alam

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This review discusses the world's energy needs, renewable energy technologies for domestic use, and highlights public opinions on renewable energy. A systematic review of ...

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The use of renewable energy resources, such as solar, wind, and biomass will not diminish their availability. Sunlight being a constant source of energy is used to meet the ever-increasing energy need. This review discusses the world's energy needs, renewable energy technologies for domestic use, and highlights public opinions on renewable energy. A ...

Over the last decade, supply chain management (SCM) in energy production was driven by economic, environmental, and social impacts, through shifting the economic focus into an overall sustainability focus [1, 2] sustainable energy is a vital topic for many national and international organizations and companies and it is considered at the heart of the United Nations Sustainable Development Goals ...

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distinguish the review from prior similar efforts. First, given that energy consumers and end-users ultimately seek to satisfy demand or perceived needs for energy services (rather than, say, kilowatt-hours), an energy services lens is applied to better understand and characterize the sustainable energy challenge [8].

Renewable and Sustainable Energy Reviews. Volume 151, November 2021, 111626. Renewable and Sustainable Energy Reviews: Environmental impact networks of renewable energy power plants. Author links open overlay panel Viktor Sebestyén. Show more. Add to Mendeley. Share. Cite.

Renewable energy resources will play an important role in the world's future. The energy resources have been split into three categories: fossil fuels, renewable resources and nuclear resources [14].Renewable energy sources are those resources which can be used to produce energy again and again, e.g. solar energy, wind energy, biomass energy, geothermal ...

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pertain.

Energy is an indispensable and relevant resource for social and economic development [1]. When seen as a sustainable asset, it is grounded in five sustainability dimensions: environmental, technical, social, institutional, and economic [7]. This makes it possible to contemplate a holistic perspective within the scope of sustainable energy [8]. ...

It is crucial to take action to curb the adverse effects of human behavior on the environment. According to the International Energy Agency (IEA), with the rapid development of a secure and sustainable energy system with net-zero emissions, the proportion of new generation fuel and renewable energy keeps increasing [2].

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