

Solar Energy for Buildings: Clean Energies Utilisation and Environment

Abdeen Mustafa Omer

Energy Research Institute (ERI), Nottingham NG7 4EU, United Kingdom



Abstract

The move towards a low-carbon, world, driven partly by climate science and partly by the business opportunities it offers, will need the promotion of environmentally friendly alternatives, if an acceptable stabilization level of atmospheric carbon dioxide is to be achieved. This requires the harnessing and use of natural resources that produce no air pollution or greenhouse gases (GHGs) and provides comfortable coexistence of human, livestock, and plants. This communication presents a comprehensive review of energy sources, and the development of sustainable technologies to explore these energy sources. It also includes potential renewable energy technologies, efficient energy systems, energy savings techniques and other mitigation measures necessary to reduce climate changes.



[37th Global Summit on Nanoscience and Technology; Webinar-October 21-22, 2020.](#)

Abstract Citation:

Abdeen Mustafa Omer, Solar Energy for Buildings: Clean Energies Utilisation and Environment, **Nano Summit 2020**, 37th Global Summit on Nanoscience and Technology October 21-22, 2020- Webinar

<https://nanosummit.conferenceseries.com/abstract/2020/solar-energy-for-buildings-clean-energies-utilisation-and-environment>

Biography:

Abdeen Mustafa Omer (BSc, MSc, PhD) is an Associate Researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the Built Environment and Master of Philosophy degree in Renewable Energy Technologies from the University of Nottingham. He is qualified Mechanical Engineer with a proven track record within the water industry and renewable energy technologies. He has been graduated from University of El Menoufia, Egypt, BSc in Mechanical Engineering. His previous experience involved being a member of the research team at the National Council for Research/Energy Research Institute in Sudan and working director of research and development for National Water Equipment Manufacturing Co. Ltd., Sudan. He has been listed in the book WHO'S WHO in the World 2005, 2006, 2007 and 2010. He has published over 300 papers in peer-reviewed journals, 200 review articles, 7 books and 150 chapters in books.