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Titolo	Energy, Ecology and Environment [[electronic resource] ] : A Sustainable Nature // by Gopal Nath Tiwari
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9939-97-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (241 pages)
Disciplina	333.79
Soggetti	Solar energy Photovoltaic power generation Environment Solar Thermal Energy Photovoltaics Environmental Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Sun -- Earth -- Atmosphere -- Climate -- Weather -- Season -- Global Greenhouse Effect -- Global Warming Problems -- Solar Energy and various Cycles -- Introduction -- The Hydrologic Cycle -- Carbon Cycle -- Sources of carbon formation -- Importance of Carbon Cycle -- Emission and absorption of carbon (C) -- Nitrogen Cycle -- Various processes of nitrogen (N) cycle.
Sommario/riassunto	This book covers topics related to climate change, weather, greenhouse effect, solar energy, various cycles including carbon, hydraulic, sulphur, renewable energy conservation, ecology and sustainable environment. The contents of the book include pedagogical elements, such as exercises, tables and figures at appropriate places in each chapter, including problems and objective questions at end of each chapter, to aid in learning. Further, the unit conversion from FPS system to SI unit of each parameter, namely length, energy, power, velocity and pressure force, etc, and some standard constants used in examples are also provided in the book. The book also includes discussion about renewable energy sources, namely solar energy, wind energy, biomass energy and geothermal energy, etc, their availability and eco-friendly

nature. This book can be a useful reference for those in academia and industry.

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