

About the Book

This book is designed to provide a comprehensive understanding of sustainable energy technologies and the environment. The environment, the principles and technologies discussed are applied to the practical energy engineering problems likely to be met by the researchers and students, It explains in detail various sustainable energy technologies such as renewable, nuclear and clean coal technologies with clear schematics. It introduces the fundamental principles of the environment and control mechanisms for atmospheric pollution and solid waste management. Special emphasis is laid on fundamental principles of energy conversion with the objectives to blend a central core of basis, recent developments and advances.

The topics include sustainable energy and environment and earth's planetary temperature, environment interactions, power systems and clean coal technologies, solar thermal & PV, biomass power systems and wind energy conversion systems, energy efficient architecture and energy conversion processes, solid waste management air and water pollution control. The emphasis throughout is on application of concepts to practical conditions.

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