Alternative Energy

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Table of Contents

Table of Contents ........................................................................................................ v
Preface ........................................................................................................................... viii
Chapter 1
The Impact of energy utilization on environment ......................................................... 1
  M.N.A. Hawlader
Chapter 2
Desalination of Seawater to provide fresh water ......................................................... 9
  M.N.A. Hawlader
Chapter 3
A solar assisted desalination system using heat pump ................................................. 16
  M.N.A. Hawlader, Leong Chiing Yang
Chapter 4
An experimental study of a phase change storage system ........................................... 23
  M.N.A. Hawlader and Smita Panga
Chapter 5
Moisture migration in a grain column subjected to drying ......................................... 30
  M.N.A. Hawlader and Md. Shafique J. Chowdhury
Chapter 6
Solar Drying of Guavas, Papayas and Apples ............................................................. 38
  M.N.A. Hawlader and Lee Hwee Peng
Chapter 7
Drying under inert environment: the quality of Mango and Rockmelon .................. 47
  M.N.A. Hawlader and Pan Jiahe
Chapter 8
A low temperature flat plate solar collector ............................................................... 53
  M.N.A. Hawlader, M. Zakir Ullah and Maung Than Htut
Chapter 9
Optimization of an integrated solar heat-pump system .............................................. 60
  M.N.A. Hawlader and Ye Shaochun
Chapter 10
Comparative study of performance characteristics using Jatropha Oil Methyl Esters
  Biodiesel and Diesel .................................................................................................. 69
  A.K.M. Mohiuddin and Azan Mohd
Chapter 11
Comparative Study of Emission Characteristics using Jatropha Oil Methyl Esters
  Biodiesel and Diesel .................................................................................................. 74
  A.K.M. Mohiuddin and Azan Mohd
Chapter 12
Waste Cooking Oil Utilization for Biodiesel Production .......................................... 79
  A.K.M. Mohiuddin and Nabeel Adeyemi
Chapter 13
Flow Characteristic of Mixing Impeller for Liquid-Liquid Mixing ......................... 85
  A.K.M. Mohiuddin and Nabeel Adeyemi
Chapter 14
Solar Energy Management for Poverty Alleviation and Income Generating Activities .... 91
  A.K.M. Mohiuddin
Chapter 15
Turbulence model for axial mixing impeller in unbaffled vessel............................................ 97
A.K.M. Mohiuddin, Nabeel Adeyemi and Muhamad Husaini

Chapter 16
Optimization and economic analysis of a solar assisted heat pump drying system.......... 103
M.N.A. Hawlader, S. M. A. Rahman and K.A. Jahangeer

Chapter 17
A solar heat pump water heater for rural hospitals ................................................................. 117
M.N.A. Hawlader and M. Zakir Ullah

Chapter 18
A solar heat-pump system for air-conditioning, water heating and drying......................... 126
M N A Hawlader, K A Jahangeer, Ye Shaochun and Choy Tack Hoon

Chapter 19
Engineering design – An approach to the development of creativity................................. 132
M.N.A. Hawlader

Chapter 20
Analysis of Engine Performance with NGV ........................................................................... 140
Sany Izan Ihsan, Nabila Sulaiman, AKM Mohiuddin and Maizirwan Mel

Chapter 21
Analysis of Engine Performance with Enhanced Fuel.......................................................... 147
Sany Izan Ihsan, Khairussani Farid, Maizirwan Mel, and AKM Mohiuddin

Chapter 22
CFD analysis of an evacuated solar still.................................................................................. 156
Ahmad F. Ismail, Mirghani I. Ahmed, Yousif A. Abakr

Chapter 23
Developments on Solar Operated Water Desalination.......................................................... 163
Mirghani I. Ahmed, Yousif A. Abakr and Ahmad F. Ismail

Chapter 24
Theoretical and experimental evaluation of LPG as refrigerator for domestic refrigerators and freezers................................................................. 169
M.M. El-Awad, M.I. Ahmed

Chapter 25
Preliminary investigation of biodiesel reactor optimization using combine CFD-Taguchi method ......................................................................................... 179
A.K.M. Mohiuddin and Nabeel A Adeyemi

Chapter 26
Alternative mixing strategy for biodiesel production: mixed flow impeller characterization .................................................................................................................. 188
A.K.M. Mohiuddin and Nabeel Adeyemi

Chapter 27
Experimental Investigation of a Multistage Evacuated Solar Still...................................... 197
Yousif. A. Abakr, Ahmad F. Ismail and Mirghani I. Ahmed

Chapter 28
Modelling of electronics heat sink – Influence of the wake function generation on the accuracy of CFD analysis................................................................. 203
M. I. Ahmed, A. F. Ismail, Y. A. Abakr

Chapter 29
The effect of the operating conditions on the apparent viscosity of crude palm oil during separation............................................................................................................ 213
Sulaiman Al-Zuhair, Yousif A. Abakr and Mirghani I. Ahmed
Chapter 30
Thermal analysis of a micro device used for detection of colorectal cancer........................................ 220
Mirghani I. Ahmed, Meftah Hrairi

Chapter 31
Performance of different photovoltaic cells operating under the meteorological conditions of Singapore.......................................................................................................................... 229
M.N.A Hawlader, Lee Poh Seng and Chua Kok Kiang

Chapter 32
Analyses of motion and drag coefficient of water droplets in a natural draught cooling tower............................................................ 240
Liu Baomin and M. N. A. Hawlader

Chapter 33
A solar assisted heat pump system for desalination........................................... 252
Zakaria Mohd. Amin, M N A Hawlader and Azharul Karim

Chapter 34
Comparative study of combustion characteristics using Jatropha oil methyl esters biodiesel and diesel................................................................. 261
A.K.M. Mohiuddin and Azan Mohd

Chapter 35
Performance of evaporator collector and air collector in a solar assisted heat pump dryer................................................................................................................... 269
S. M. A. Rahman and M. N. A. Hawlader
Chapter 14

Solar Energy Management for Poverty Alleviation and Income Generating Activities

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Abstract

Conventional modes of power besides running out are also aggravating the environment. New and renewable forms of energy are the need of the day. The abundance, inexhaustibility and non-polluting nature of the sun’s energy to the earth, have made solar energy the right supplement for conventional energy sources, which are getting scarce and exhausted. For proper management of solar energy, private sector must come forward to take the initiative. A tripartite management system is proposed in this chapter. The first party of the management system is the supplier/manufacturer of the different components of the solar power system and is responsible to extend proper training to the personnel of the third party. The second party of the management system is the bank who will finance the solar power projects. The third party of the management system is an NGO who has got its network in rural areas and will be responsible to carry out all the installation work with the help of the first party. They will also be responsible to collect the loan installments/rents from the end-users. The tripartite management with their concerted efforts can make a successful solar power project in remote rural areas.

Keywords: solar energy, poverty alleviation, tripartite management system.

INTRODUCTION

The greatest challenge which will be encountered by the whole civilization in the 21st century is the environmental pollution. In view of the rising environmental degradation and depleting sources of fossil fuels and conventional energy sources, the world is gradually converging towards non-conventional, renewable energy sources.

With increasing power requirements and rising pressures of environmental pressure groups, all eyes are increasingly being turned to the giant powerhouse in the sky, the sun. Every day, solar energy equivalent to 75,000 trillion kWh strikes the earth. Just less than 0.1% of this is sufficient to meet the world energy requirements. The abundance, inexhaustibility and non-polluting nature of the sun's energy to the earth, have made solar energy the right supplement for conventional energy sources, which are getting scarce and exhausted.