

International Conference on Environmental Engineering and Green Technology

IOP Conference Series: Earth and Environmental Science
Volume 1057

Online
4-6 April 2022

Editors:

**P Bhuvaneswari
Abyot Asres
Abebaw Abizo
Wegayehu Enbeyle**

ISBN: 978-1-7138-6020-4
ISSN: 1755-1307

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution 3.0 International Licence.
Licence details: <http://creativecommons.org/licenses/by/3.0/>.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2023)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Thermal comfort conditions in traditional and sustainable, low - energy buildings..... 1 <i>N Krawczyk, A Kapjor</i>	1
Using Community Project in Teaching Food Security: A Student-centered Approach 7 <i>Trang Nguyen, Danh Vu</i>	7
A case study of thermal and humidity sensations in the smart building..... 13 <i>J Dzedzic, M Cedro, P Wojciechowska</i>	13
Antecedents and Consequences of Public Interest Litigations in Sustainable Environment Protection in India 19 <i>Nikhil Yadav, Uma S Yadav, Anurag B Singh, Geetu Yadav</i>	19
Secured Optimal Path to Identify the Networking Model using Cold Chain Logistics in Hospital Environment 26 <i>G. Vijaiprabhu, P. Pandia Rajammal, S. Rema Devi, P. Karthika</i>	26
A Firebug Optimal Cluster based Data Aggregation for Healthcare Application 37 <i>N Y Sree Ranjani, A.G Ananth, L Sudershan Reddy</i>	37
Preparation of soap using a steam extraction process from leaves of <i>Azadirachta indica</i> , <i>Ocimum basilicum</i> , <i>Hibiscus-rosa-sinensis</i> Flowers, <i>Acalypha indica</i> , and <i>Aloe barbadensis</i> Leaflets..... 44 <i>C Indirani, K Meenambika, D Indhumathy, V S Kavinkumar</i>	44
Survey on usage of single use plastic bags in Nepal 50 <i>Ashish Khanal</i>	50
Applications for Green Technology Practices in Analyzing the Edge Detection Techniques on Digital Image Processing by using MATLAB 60 <i>R. Ravikumar, V. Arulmozhi</i>	60
An experimental study of solar receiver under cloudy weather conditions 69 <i>Sanjay N Havaldar, Kaustubh G Kulkarni, Nilesh T Dhokane, Shrikant D Nimbalkar</i>	69
Obesity: technology, exercise and diet 79 <i>Roger Jaramillo, Alex Villao, Diana Merchán, Jorge Jaramillo</i>	79
A Discussion on the Impacts of Ecological Intellectual Capital in Green Management 85 <i>M. Suba, S.B. Inayath Ahamed</i>	85
Nutritious diet, a right or a privilege?..... 96 <i>Marina Arteaga, Mirian Villavicencio, Gabriel Brito, Jenny Ulloa</i>	96
Blue green algal farming revolution: An eco-friendly top-up step for Agribusiness advancements..... 102 <i>Parvati Sharma, Ankur Kumari, Anuradha Bhardwaj, Asha Poonia, Yashpal</i>	102
Waste management in municipal markets 109 <i>Diana Merchán, María Teresa García-Cubero, Alberto Paredes, María González</i>	109
Biodegradation of Plastic Using Termites and their Gut Microbiota: A Mini Review115 <i>Amit Kumar, C. M. Kalleshwaraswamy, Radhika Sharma, Parvati Sharma, Asha Poonia</i>	115

Impact of Covid-19 Pandemic on Environmental, Social, and Governance Index in India 127
*Manivannan Babu, A. Antony Lourdesraj, C. Hariharan, J. Gayathri, CS Karishma Butani,
Chinnadurai Kathiravan*

Author Index