

Table of Content

Chief Patron	viii
Acknowledgements	x
About Editors	xi
List of Contributors	xii
Author's Index	xv

Session-I: Allied Sciences, Environment, Engineering, Innovations in ICT

1. Chemical pollution and effects: case studies	1
Chhavi Purwar	1
2. Photo catalytic water splitting using semiconductors.....	9
Vivek Dwivedi.....	9
3. Filtering air pollution using roosegaarde towers: a proposition for Lucknow (U. P.)	23
Maaz Allah Khan.....	23
4. A kinetic study of phosphotungstic acid catalyzed oxidation of cyclopentanol by nbs	29
Om Kumari, Archana Pandey ^{1*} , Braj Mohan	29
5. Antiwear and extreme pressure additives in base oil	37
Dr. Jiya Lal Maurya.....	37
6. Purification and characterization of -l- rhamnoidase from <i>Fusariummoniliforme</i> MTCC-2088	42
Sarita Yadav	42
7. ICT and digital technologies: A roadmap for smart farming	55
Dr. Sanjeev verma	55
8. Study the extent of adoption of weather forecasting information as disseminated by RPCAU towards the farmers	61
Shweta Kumari ¹ , Satya Prakash ² & A. K. Paswan ³	61
9. Need of advance technology for marketing of rural industry	66
Dr. Mridulesh Singh	66
10. Intelligent data analysis for medical diagnosis using machine learning algorithm.....	71
Kannan S ^{1*} , Senthil Kannan.K ² , Chinnadurai M ³ ,Thamaraikannan P ¹ , Sairam Shalini R. ¹ and Kalaipoonguzhali V ⁴	71
11. Simulations of minerals by using of dft based on atomic orbitals for linear scaling	78
Sanjeev Trivedi & Rahul Tripathi	78
12. Effect of global warming on forest and biodiversity	85
Shweta Chand & Joseph Daniel	85

13. A hyperspace and its separation axioms	89
Yogesh Sharma.....	89
14. Vacation and polling markovian queueing system with discouragement and bernoulli feedback	93
Dr. Raj Kamal Gupta	93
15. Impact and management of e-waste	106
Dr. Shilpy Shakya.....	106

Session-II: Textile, Fashion, Leather, Retail, Yoga, Social Sciences & Management

16. A focus group study on entrepreneurial activity in rural india	111
Arti Lata and Abhishek Ranjan Singh*	111
17. Tie and dye with acrylic colours	119
Krishi Sarin ¹ , Anjali Agarwal ² & Ruchi Kholiya ^{3*}	119
18. Effect of meal skipping on nutritional status of college students of prayagraj	123
Sweta Kumari ¹ , Ranu Prasad ² and Anisha Verma ³	123
19. Uttar pradesh and sustainable development goals: a long way to go	131
Dr. Arvind Kumar Singh & Dr. Reshma Umair	131
20. A project study on generating & utilization of energy from footwears.....	141
Rajesh Parashar ¹ , Dharmmeet Singh ²	141
21. Design intervention & innovation in traditional handicrafts.....	153
Rajesh Sharma	153
22. Women empowerment for eradicating poverty with apparel industry: in the references of uttar pradesh state	161
Dr. Arpita Chaturvedi	161
23. Development of arch supported polyurethane open cell foam for women insock.....	166
Manoj Kumar Roy ¹ and Pradeep Kumar Shukla ²	166
24. Rambans-rayon blended fabric: a sustainable solution.....	174
Dr. Ruchi Kholiya ¹ , Dr. Alka Goel ² & Ms. Krishi Sareen ³	174
25. A study for e-waste management through sustainable design	181
Satyadeep Chatterjee	181
26. Speacialized shoes for drivers: foresights for technology	209
Varun Gupta & Ashish Chandra.....	209
27 A study on the factors responsible for high female employee turnover in organized retail	222
Nivedita Paliwal & Mohd Siraj	222

28. Money and monetary activities in ancient india in 600 B.C. as depicted in early buddhist texts.....	227
Himansu Gangwar	227
29. Strengthening market support system for rural india-a conceptual study	236
Dr. AvinashBajpai, Mohd. Siraj & ArunKumar Gaikwad	236
30. Why integrate bricks and mortar stores with electronic commerce: an exploratory study.....	242
Davender Kothari*, Aastha Garg	242
31. Effective line balancing technique to improve productivity in footwear industry	250
Pradeep Kumar Shukla	250
32. A study of employee attrition in india with special reference to BPO companies	260
Sandhya Sinha	260