LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

BOOK CHAPTER SUMMARY 2022-2025

S.No	Faculty Name	Title	Year	Details		
1	Sachchida Nand	Optimization of CNC Milling Parameters for Al-CNT Composites Using an Entropy-Based Neutrosophic Grey Relational TOPSIS Method	2022	Evolutionary Optimization of Material Removal Processes, CRC Press	9781003258421	International
2	Sachchida Nand	Optimization of Machining Parameters on Vertical Milling Machine for Al-CNT Composites Using Taguchi Design of Experiments	2022	Lecture Notes in Mechanical Engineering ((LNME)), Springer Nature Singapore	981-16-4083-4_27	International
3	Dr Vipin Shrivastava	Comparative study of the performance of double-pass and single-pass solar air heater with thermal storage	2022	Lecture Notes in Mechanical Engineering. Springer,	978-981-15-9677-3	International
4	Dr Vipin Shrivastava	Thermal Performance Assessment of Greenhouse Solar Dryer Operated Under Active Mode	2022	Lecture Notes in Mechanical Engineering. Springer,	978-981-16-3131-3	International

BOOK CHAPTER SUMMARY 2022-2025

S.No	Faculty Name	Title	Year	Details		
5	Vipin Shrivastava	A revisit to recent development in enhancement of thermal and hydraulic performance of solar air heater	2023	Lecture Notes in Mechanical Engineering. Springer,	2214-7853	International
6	Vipin Shrivastava	A review study on the improvement of stator frame design and prediction of electromagnetic vibration of hydro generators	2023	Lecture Notes in Mechanical Engineering. Springer,	2214-7854	International
7	Vipin Shrivastava	A revisit to recent development in enhancement of thermal and hydraulic performance of solar air heater	2023	Lecture Notes in Mechanical Engineering. Springer,	2214-7853	International
8	Jitendra Raghuwanshi	Experimental analysis of impact of solar chimney on ventilation rate in a building	2024	Springer nature singapore	NA	International

BOOK CHAPTER SUMMARY 2022-2025

S.No	Faculty Name	Title	Year	Details		
9	Dr. Rajesh kumar Pandey	Deccarbonizing transpotation Navigating the nexus of green house gas emission advanced mixed biofuels and mixed CNG hydrogen gas	2024-25	Green hydrogen production	NA	International
10	Dr. Rajesh kumar Pandey	Coco mixed biodisel as a novel knock mitigation for CI engine A comprehensive performance and emission analysis	2024-25	Fuels for sustainable transportation Advances and Applications	NA	International
11	Dr Shankar kumar	Deccarbonizing transpotation Navigating the nexus of green house gas emission advanced mixed biofuels and mixed CNG hydrogen gas	2024-25	Green hydrogen production	NA	International
12	Dr Shankar kumar	Coco mixed biodisel as a novel knock mitigation for CI engine A comprehensive performance and emission analysis	2024-25	Fuels for sustainable transportation Advances and Applications	NA	International

BOOK CHAPTER SUMMARY 2022-2025

S.No	Faculty Name	Title	Year	Details		
13	Dr Neeraj Dubey	Deccarbonizing transpotation Navigating the nexus of green house gas emission advanced mixed biofuels and mixed CNG hydrogen gas	2024-25	Green hydrogen production	NA	International
14	Dr M.M. Sahu	Deccarbonizing transpotation Navigating the nexus of green house gas emission advanced mixed biofuels and mixed CNG hydrogen gas	2024-25	Green hydrogen production	NA	International
15	DR. R.G. Patil	Deccarbonizing transpotation Navigating the nexus of green house gas emission advanced mixed biofuels and mixed CNG hydrogen gas	2024-25	Green hydrogen production	NA	International
16	Dr. Arvind kumar Shukla	Coco mixed biodisel as a novel knock mitigation for CI engine A comprehensive performance and emission analysis	2024-25	Fuels for sustainable transportation Advances and Applications	NA	International

BOOK CHAPTER SUMMARY 2022-2025

S.No	Faculty Name	Title	Year	Details		
17	Dr. sachin kumar nikam	Parameter optimization of biodisel production from waste cooking oil using the Taguchi method	2024-25	Fuels for sustainable transportation Advances and Applications	NA	International
18	Dr Vipin Shrivastava	Design, Analysis, Simulation, and Optimization of Pump Storage Hydropower (PSH) and Hydrogenerator Stator Frame to Withstand High Radial and Tangential Stress	2025	Advanced Materials and Manufacturing, Lecture Notes in Mechanical Engineering, https://doi.org/10.1007/978-981-96-8167-9_22	NA	International