

Lakshmi Narain College of Technology Bhopal
Department of Mechanical Engineering
Journal Publication Mapping of Sustainable Development Goals (SDG)
JOURNAL PUBLICATIONS



S. N.	Faculty Name	Paper Title	Year	Journal Name	Volume	Issue	ISSN	National/ International	Indexing (Sci/Scopus/UGC/ others)	Mapping with SDG Goal
1	Dr Shankar Kumar et al	Effective irradiance and energy yield analysis of a glass-glass front and rear side photovoltaic panels	2026	ScienceDirect Elsevier: Optics	Vol24		2666-9501	International	Scopus	SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production SDG 13 – Climate Action
2	Dr Shankar Kumar et al	Retrofitted conversion of a Maruti Alto gasoline engine to compressed natural gas for sustainable mobility	2026	Scientific Reports	16	Article number: 16906 (2026)	2045-2322 (c)	International	Scopus	SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production SDG 13 – Climate Action
3	Dr Pravesh Kumar Kushwaha et al	Effect of velocity ratio and RPH on the performance of desiccant wheel: experimental and numerical investigation	2026	ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS; Taylor & Francis	VOL. 48,	NO. 1,	556-7230 (e-ISSN)	International	Scopus	SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production SDG 13 – Climate Action
4	Dr Pravesh Kumar Kushwaha et al	Numerical investigation of solar driven atmospheric water harvesting system based on desiccant wheel under diverse climatic conditions in India	2026	Heat and Mass Transfer : Springer Nature Link	Vol 62	Article number 33 (2026)	0947-7411	International	SCIE	SDG 6 – Clean Water and Sanitation SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production
5	Dr Shankar Kumar et al	Forecasting power generation and battery charge in residential solar systems with front and rear side photovoltaic panels	2026	Journal of Energy Storage	164		2352-152X/	International	SCIE	SDG 7 – Affordable and Clean Energy
6	Dr R K Pandey et al	Retrofitted conversion of a Maruti Alto gasoline engine to compressed natural gas for sustainable mobility	2026	Scientific Reports	16	Article number: 16906 (2026)	2045-2322 (c)	International	Scopus	SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production SDG 13 – Climate Action

7	Dr Hitesh Kumar Khare et al	Advancements in internet of things integrated solar thermal systems	2026	Journal of Thermal Engineering	12	4	21487847	International	Scopus, ESCI	SDG 7 – Affordable and Clean Energy SDG 9 – Industry, Innovation and Infrastructure SDG 11 – Sustainable Cities and Communities SDG 12 – Responsible Consumption and Production SDG 13 – Climate Action
8	Dr. Vipin Shrivastava et al	Advancements in solar still desalination using nanomaterials: A comprehensive review of design, productivity, and sustainability	2026	Sustainable Energy Technologies and A	Vol 92	105167	2213-1396	International	SCIE	SDG 6 – Clean Water and Sanitation, SDG 7 – Affordable and Clean Energy, SDG 9 – Industry, Innovation and Infrastructure, SDG 13 – Climate Action,
9	Dr. Vipin Shrivastava et al	Advancements in internet of things integrated solar thermal systems	2026	Journal of Thermal Engineering	Vol 12	Issue 6	2148-7847	International	Scopus	SDG 7 – Affordable and Clean Energy, SDG 9 – Industry, Innovation and Infrastructure
10	Dr. Vipin Shrivastava et al	A decade of progress in indirect solar drying: A review of systems for fruits, vegetables, and medicinal herbs (2015–2025)	2026	Renewable and Sustainable Energy Reviews	Vol 226	116388	1364-0321	International	SCI/SCEI	SDG 7 – Affordable and Clean Energy, SDG 12 – Responsible Consumption and Production