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Achievements



(singlePage.php?id=17&type=SP)

Mention Awards And Fellow Membership And Other Detail

S.No.	Name of faculty	Name of award
1	Dr. N.S.Rathore	> ISTS Nanda Memorial young scientist award
		Rajasthan Energy Conservation Award, 2009
		> ISAE Commendation Medal, 2007
		> IDM-2007
		> Practical Action, UK
		> ACTS, Nairobi, Kenya
		University of Cornell, USA
		> ISTS Appreciation award in Energy in Agriculture
		Outstanding book awards Ministry of Forest & Environment, Mi ISAE
2	Dr. Sudhir Jain	Fellowship under the Netherlands Fellowship Programme (NUI porgramme
		Appreciation Award by MPUAT for Outstanding Services in the Uni
3	Dr. Surendra Kothari	QIP Scholarship for Doing M.Tech from IIT, Delhi during 1988-99
		> QIP Scholarship for Doing Ph.D. from IIT, Delhi during 1996-99
4	Dr.Deepak Sharma	Prakratik Urja Puraskar 2017, from Ministry of New and Renewable
		> ISAE Commendable medal award
		> ISAE Distinguished Services Certificate for services to the Society
		A member of the team receiving the ISAE Team Award for excell Energy.
		Awarded Fellowship under the Netherlands Fellowship Programn nd a half month.

9/5/24. 7:52 PM College of Technology and Engineering 5 Dr. N. L. Panwar Prakratik Urja Puraskar 2011, from Ministry of New and Renewable E Menu Appreciation Award by the University for Outstanding Achievement 2 QIP Scholarship for Doing Ph.D. from IIT, Delhi during 2010-2013 **Quick Links** Rajasthan Energy Conservation Award 2018(RECA-2018) Home (index.php) Sitemap (singlePage.php?id=17&type=SP) Best Reviewer Award 2017 and 2018(ISAE) National Institute Ranking Framework: CTAE Reports (singlePage.php?id=31&type=SP) TEQIP-III (singlePage.php?id=34&type=SP) Bhartiya Chatra Sansad (singlePage.php?id=44&type=SP) Prayaaq 2013 (CTAE TechFest) (singlePage.php?id=15&type=SP) C-GOLD-2014-Activities (singlePage.php?id=17&type=SP) **Technology Generated** Gold Fiesta-2014 (CTAE TechFest) (singlePage.php?id=19&type=SP) Promoting Innovations in Individuals, Start-ups and MSMEs (singlePage.php?id=21&type=SP) I>MS (SociateRapeochd?yet-12&inpolessค่อ and agriculture drying STUDENT PORTAL LOGIN (singlePage.php?id=23&type=SP) Masonry solar cooker for animal feed preparation Tech View 2019 (singlePage.php?id=24&type=SP) The tray type solar dryer for perishable products) Students No Dues Form (singlePage.php?id=28&type=SP) @cobaAin beater for grain drying/prototype/develoned for bedriefren and beater for grain drying/prototype/develoned for for grain drying/grain dryin Vidya Lakshmi Portal - VLP (singlePage.php?id=32&type=SP) Variable inclination solar dryer 'ARIIA 2020 Submission Report" (images/staticContent/Submission Report 2020.pdf) Pockagoné Pontice apacitic grain & Preprior achitetion (yoll seingle Page.php?id=46&type=SP) STATE LEVEL SPORTS CHAMPIONSHIP KARMATH-2020 (singlePage.php?id=49&type=SP) EHigh temperature solar dryer for Industrial use and drying are soot marly slurry, NewGen IEDC-CTAE (singlePage.php?id=59&type=SP)
Low cost domestic and farm solar dryer. 2021 CTAE REPORT (images/staticContent/ARI-I-1067.pdf) 🏴 UATS ថានៅ ក្រប់ទេ្រាងមេ (ហោងពេល) ទាំងដូច្នេះ ក្រប់ នៅក្នុង ប្រជាពល់ Telephone-Directory-MPUAT-(2022).pdf) Farm Machinery Testing Centre (singlePage.php?id=72&type=SP) Masonry distillation unit for potable drinking Contact Us Will waith based biogas plant College of Technology Kitchen waste biogas plant and Engineering, Tel.No. +91 294 2470837 (o) convection type solar dryer for industrial applications. Roof integrate Fax No. +91 294 2471056

Development of ക്രാമ്പ്രിച്ച Concentral or for thermal applications in selected Industries Email: deanctae@mpuat.ac.in

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- utm_source=www-ctae-acin&utm_medium=oap_weather_widget&utm_term=link_current&utm_content=accuweather&utm_campaign=current)
 Design of producer gas burner for thermal applications.

 Solar concentrator for milk pasteurization and process heat for industrial applications.

 Visitors: 0003531

 Low cost solar water heater.
 - Last Updated: 02-09-2024

Technology Commercialized

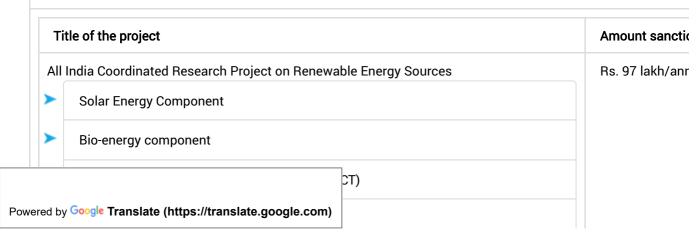
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- Solar tunnel dryer for industrial and agriculture drying
- Masonry solar cooker for animal feed preparation
- Roof integrated forced convection type solar dryer for industrial applications.
- Improved cook stoves- Single pot "CHETAK"& Double Pot "UDAIRAJ"

Adhoc Projects Completed

S.No.	Title of Research Project	Funding Agen
		Name
1.	Performance Evaluation of Greenhouse for Cultivation of <i>Safed Musli</i> in Tribal area of Udaipur Region	ICAR
2.	Techno-Economic studies on protected cultivation of vegetables for enhanced quality, productivity and off-seasonality in Tribal area of Udaipur Region	ICAR
3.	Development & Demonstration of Farmers friendly Technology for Enrichment of Agro wastes & Biogas spent slurry with Rock Phosphate & Lignite Residues	RSMML, Udaipur

On going Project



Biogas Development and Training Centre	Rs. 35 lakh/anr
Adhoc Projects	
Strengthening Test Facilities for Testing & Performance Evaluation of Biomass Cookstoves	42 lakh
Consortia Research Platform on Energy from Agriculture	Rs. 49.5 Lakh

Details of Publication (Mention Books, Lab Manuals, Training Manuals, Booklets, Leafle

Research Publications:

- Kotahri S, Rathore NS, Panwar NL. Techno economics of greenhouse for cultivation of aswagandha under Engineering Today 2001; 25 (3-4): 36-40.
- Panwar NL, Kothari S, Rathore NS. Suitablity of greenhouse cultivation of medicinal pants. Agricultural Enc
- Kothari S, Panwar NL. Steady state thermal model for predicting micro climate inside the greenhouse. In 88:52-55.
- Panwar NL, Rathore NS. Design and performance evaluation of a 5 kW producer gas stove. Biomass and B
- Rathore NS, Panwar NL, Chiplunkar VY. Industrial application of biomass based gasification system. Wor 409.
- Meena M, Sharma D, Panwar NL. Performance evaluation of dual fuel engine with scrubbed biogas for (Mech Div) 2008; 88: 37-41.
- Kothari S, Panwar NL. (2008) Experimental Studies of Greenhouse for Nursery Raising. Agricultural Er Manuscript EE 08 003 Vol X March 2008.
- Rathore NS, Panwar NL. Performance Evaluation of Solar Photovoltaic Refrigerating System. Institutional 2009; 90: 31-34.
- Kothari S, Panwar NL, Chaudhri S. Performance evaluation of exhaust air recirculation system of mixed International Journal of Renewable Energy Technology 2009; 1(1): 29-41.
- Panwar NL, Shrirame HY The emission characteristics of a compression ignition engine operating on cas Global Warming 2009; 1(1-3): 368.
- Pathore NS, Panwar NL, Chiplunkar VY. Design and techno economic evaluation of biomass gasifier for ind of environmental science and technology 2009; 3(1): 6-12.
- Panwar NL, Rathore NS, Kurchania AK. Experimental investigation of open core downdraft biomass gasif and Adaptation Strategies for Global Change 2009; 14(6): 547-556.

ation of greenhouse gases by adoption of improved bioma

- Panwar NL Design and performance evaluation of energy efficient biomass gasifier based cookstove Strategies for Global Change 2009; 14(7): 627-633.
- Panwar NL, Rathore NS. Potential of surplus biomass gasifier based power generation: A case study of Adaptation Strategies for Global Change 2009; 14:711-720.
- Panwar NL, Kothari S, Rathore NS. Protected Cultivation of Medicinal Plant in Composite Climate of Inc. Agric. & Environ. Sci. 2009; 5(5): 633-637.
- Sharma D, Panwar NL. Performance Evaluation of Biomass based Natural Draft Gasifier System for Theri (Agril Div.) 2009; 90:34-38.
- Kothari S, Kaushik SC, Panwar NL. Approach to calculate solar radiation inside a semi cylindrical greenhou 2009; 1(2): 14-018.
- Ali N., Kurchania AK., Babel S. (2010), Bio-methanisation of Jatropha curcas defatted waste, Journal of E 2(3): 038-043.
- Mohod AG, Jain S, Powar AG. Energy option for small scale cashew nut processing in India, Energy Resear
- Mohod AG, Jain S, Powar AG. Pollutions Sources and standards of Cashew nut processing; American Jou 324-328.
- Khobragade CB, Jain S, Sengar SH. Performance Evaluation of Heat Exchanger for Hot Water Gener Engineering. 2010; 2(2): 304-309.
- Mohod A, Jain S, Powar A, Rathore NS, Kurchania AK. Elucidation of unit operations and energy consuprocessing mills, Journal of Food Engineering, 2010; 99(2): 184-189.
- Mohod AG, Jain S, Powar AG. Quantification of energy consumption for cashew nut processing operat Energy 2010; 1(1): 47-50.
- Panwar NL, Kothari S, Kaushik SC. Experimental investigation of energy and exergy efficiency of m International Journal of Sustainable Energy 2010; 29(3): 178-184.
- Panwar NL, Shrirame HY, Rathore NS, Sudhakar J, Kurchania AK. Performance evaluation of a diesel eng oil. Applied Thermal Engineering 2010; 30(2-3): 245-249.
- Panwar NL, Shrirame HY, Bamniya BR. CO2 mitigation potential from biodiesel of castor seed oil in Indiar 12:579–582.
- Kurchania AK, Panwar NL, Pagar SD. Design and performance evaluation of biogas stove for community c Sustainable Energy 2010; 29(2): 116-123.
- Panwar NL. Performance evaluation of developed domestic cook stove with jatropha shell. Waste and Bior
- Rathore NS, Panwar NL. Experimental studies on hemi cylindrical walk in type solar tunnel dryer for grape (
- Reddy VS, Kaushik SC, Tyagi SK, Panwar NL. An Approach to Analyse Energy and Exergy Analysis of Thera Renewable Energy 2010; 1, 143-152.

SH. Design and development of producer gas operated

- College of Technology and Engineering Kaushi SC, Panwar NL. Solar thermoacoustic refrigeration: An overview. Cooling India 2010; 6(6): 28-36. Lalage G, Jain S, Panwar NL, Kothari S, Sharma GP. Design and development of solar paraboloid concentr of Agricultural Engineering 2010; 3(2): 228-231. Rathore NS, Panwar NL. Design and development of energy efficient solar tunnel dryer for industrial drying Panwar NL, Kaushik SC, Kothari S. Role of renewable energy sources in environmental protection: A r Reviews 2011; 15: 1513-1524. Panwar NL. Performance of open core down draft gasifier with densified agro residue fuel. International 302 - 310. Panwar NL, Salvi BL. Experimental investigation of producer gas burner for thermal application', Internatio Shrirame HY, Panwar NL. Bamniya BR. Bio diesel from castor oil – a green energy option. Low carbon econ Kurchania AK, Panwar NL, Savita DP. Development of domestic biogas stove. Biomass Conv. Bioref. 2011; Panwar NL, Kaushik SC, Kothari S. Solar greenhouse an option for renewable and sustainable farming. F 2011; 15: 3934-3945. Kurcahnia AK, Panwar NL, Pagar SD. Improved biogas stove with scrubbing unit for household use. Was 402. Kurchania AK, Panwar NL. Experimental investigation of an applicator of liquid slurry, from biogas prod Technology 2011; 32: 873-878. Mohod AG, Panwar NL. Evaluation of traditional half orange type charcoal kiln for carbonisation: a case s and Sustainable Development 2011; 8(24): 196-202. > Lal S. Gorana VK, Panwar NL. A comparative study of thumba seed bio bio-diesel. Journal of Environmenta Kaushik SC, Panwar NL, Reddy VS. Thermodynamic evaluation of heat recovery through a Canopu refrigeration (VCR) system. Journal of Thermal Analysis and Calorimetry 2012; 110:1493-1499. Panwar NL, Kaushik SC, Kothari S. A review on energy and exergy analysis of solar dying systems. Renew 16:2812-2819. Salvi BL, Panwar NL. Biodiesel resources and production technologies - A review. Renewable and Sustaina Panwar NL, Kaushik SC, Kothari S. State of the art of solar cooking: An overview. Renewable and Sustainal
 - Panwar NL, Kothari R, Tyaqi VV. Thermo chemical conversion of biomass Eco friendly energy routes. R 2012; 16: 1801-1816.
- Tyagi VV, Panwar NL, Rahim NA, Kothari R. Review on solar air heating system with and without therm Sustainable Energy Reviews 2012; 16: 2280-2303.

Thermal performance of a focusing type collector for paraf

- College of Technology and Engineering Panwar NL, Kaushik SC, Kothari S. Experimental investigation of energy and exergy efficiencies of domes of Renewable and Sustainable Energy 2012; 4 (2), art. no. 023111. Redyy VS, Panwar NL, Kaushik SC. Exergetic analysis of a vapour compression refrigeration system with R R502 and R507A. Clean Technologies and Environmental Policy 2012; 14: 47-53. Panwar NL, Kaushik SC, Kothari S. State of the art on solar drying technology: a review. International Jour 3(2):107-141. Rathore NS, Panwar NL, Asnani B. Performance evaluation of solar tunnel dryer for grape drying. In Technology 2012; 3(1): 1-10. Panwar NL, Kothari S, Kaushik SC. Techno-economic evaluation of masonry type animal feed solar cooker Energy Policy 2013; 52: 583-586. Reddy VS, Kaushik SC, Panwar NL. Review on power generation scenario of India. Renewable and Sustaina Koohi-Kamali S, Tyagi VV, Rahim NA, Panwar NL, Mokhlis H. Emergence of energy storage technologies as power systems: A review. Renewable and Sustainable Energy Reviews 2013; 25: 135-165. Salvi BL, Subramanian KA, Panwar NL. Alternative fuels for transportation vehicles: A technical review. F 2013: 25: 404-419. Panwar NL, Kothari S, Kaushik SC. Energetic and exergetic analysis of three different solar cookers. Jou 2013; 5 (2): art. no. 023102.
 - Kaushik SC, Ranjan KR, Panwar NL. Optimum exergy efficiency of single-effect ideal passive solar stills. Er
 - Singh OK, Panwar NL. Effects of thermal conductivity and geometry of materials on the temperature varia of Thermal Analysis and Calorimetry 2013; 111: 839-847.
 - Panwar NL. Thermal modeling, energy and exergy analysis of animal feed solar cooker. Journal of Renewal
 - Mehta A, Sudhir Jain, Surendra Kothari and S.K. Jain-Performance of forced convection type solar dryer v Issue 1, April 2013, 14-19; International Journal of Agricultural Engineering.
 - Panwar NL, Kothari S, Kaushik SC. Cost-benefit and systems analysis of passively ventilated solar greenh arid regions. Environ Syst Decis (2014) 34:160-167.
 - Ali N, Chaudhary BL, Panwar NL. The Fungal Pre-Treatment of Maize Cob Heart and Water Hyacinth fo Journal of Green Energy 11; 40-49.
 - Yettou F, Azoui B, Malek A, Gama A. Panwar NL. Solar cooker realizations in actual use: An overview. R 2014; 37: 288-306.
 - Panwar NL. Energetic and Exergetic Performance Evaluation of Improved Biomass Cookstoves Int. Journa
 - Panwar NL. Energetic and Exergetic Analysis of Walk-in Type Solar Tunnel Dryer for Kasuri Methi (Fenuc 2014; 4: 519-531.

investigation of drying of garlic clove in solar dryer using p 118; 533-539.

- College of Technology and Engineering nanjan kin, kaushik oo, hanwar iye. Energy and exergy analyses of solar polius in the indian climatic co 121-151. Babel S., Chouhan R.S., Ali N. Microbial Degradation of Phosphate Mine Tailings by Sulphur oxidizing Bact of Research in Chemistry and Environment Vol. 4 Issue 2 April 2014(9-17) ISSN 2248-9649. S. Dhakar, N. Ali, R.S. Chauhan, V. Yadav Potentiality of acidithiobacillus thiooxidans in microbial solubili Degraded Mining Lands Management Vol. 2 No.3 (April 2015) .355-360 ISSN 2339-076 Panwar NL. Experimental investigation of energy and exergy analysis of coriander leaves drying in na energy, 2015; 50(3): 133-137. Yettou F, Azoui B, Malek A, Panwar NL, Gama A. Energetic and Exergetic Evaluation of solar box cooker in Exergy 2015; 16(3); 337-357. Panwar NL, Rathore NS, Wadhawan N. Thermal Modelling and Experimental Validation of a Walk-in Typ. Leaves (Methi) in Indian Climate. Environmental Modeling & Assessment. 2015;20(3): 211-23. Gupta MK, Kaushik SC, Ranjan KR, Panwar NL, Reddy VS, Tyagi SK. Thermodynamic performance evaluations and the statement of th generation systems: A review. Renewable and Sustainable Energy Reviews. 2015; 50: 567-82.
 - Panwar NL, Rathore NS. Environment friendly biomass gasifier cookstove for community cooking. Environ
 - Udaykumar, H. Kindig, A. Rao, S. Del Viscio, M. Kukillaya, V. Panwar, N. Sharma, D. How a Simple, Inexpens Efficient as an Improved Cookstove. Solutions. 2015; 4: 53-60.
 - Mohod AG, Sudhir Jain and YP Khandetod (2015)- Potential Assessment and Characterisation of Cashew Bioenergy 1(1), 71-78.
 - Meharchandani J, Sudhir Jain- Control of Grid Connected Fuel Cell based Power Generation System Innovations in Electrical Engineering organized at Madhav Institute of Technology & Science, Gwalior durin
 - Vyas K, Jain S (2015)- Development of Automatic PV Power Servo Based Single Axis Solar Tracking Sys Volume 10, Issue1 Ver.I (Jan-Feb.2015), PP07-10; IOSR Journal of Electrical and Electronics Engineering.
 - > Sharma K, Wadhawan N, Panwar NL. Experimental study of drying techniques in retention of nutrients in Technology and Innovation. 2015; 5(1):81-90.
 - Panwar NL, Kaushik SC, Kothari S. Thermal modeling and experimental validation of solar tunnel dryer cotton. International Journal of Low-Carbon Technologies 2016; 11 (1): 16-26.
 - Murdia L.K., Wadhawani R., Wadhawan N., Bajpai P. and Shekhawat S, Maize Utilisation in India: An Overvie 2016, Vol 4 (6) 169-176.
 - L. K. Murdia, Nikita, Wadhawan, Seema Shekhawat and Preeti Bajpai, Evaluation of Textural Properties of Sciences, 2016, Vol.20(5).
 - Tak J and Wadhawan N, Assessment of dietary Micronutrient Deficiency among Adolescent Girls, Food 333-337.
 - Mehetre SA, Sengar SH, Panwar NL, Ghatge JS. 2016. Performance evaluation of improved carbonized cas 19-016-9497-1.

۲2⁻^

Powered by Google Translate (https://translate.google.com) | xperimental Investigation of Eco Friendly Biomass Fired V

aiviizativii 2010. DVI 10.1001/312077 VIV 7000

- Jain S, Chaudhari R (2016) Hybrid Solution for Drying and Cooking; Energitica, India.
- Bhage HN, Jain S, et. al. Use of Remote Sensing and GIS Techniques in Delineation of Groundwater Poten Sept. (2016); International Research Journal of Environmental Sciences.
- Bhage HN, Jain S, et. al. Assessment of Groundwater Quality through GIS for Khed Taluka, District Ratnac Nov.(2016); International Research Journal of Environmental Sciences.
- Panwar NL, Paul AS. Energetic and Exergetic Evaluation of Biomass Fired Water Heating Syst view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_vol. 3 (2), 153-159, (2017); Trends in Renewable Energy.
- N Rathore, NL Panwar, et. al. A comprehensive review of different types of solar pho (https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_ 1-18, (2019); International Journal of Ambient Energy.
- Panwar NL, Pawar A, et. al. Comprehensive review on production and utilization of biocl view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_vol.1 (2), 168, (2019); SN Applied Sciences.
- Jain A, Siddique S, Gupta T, Jain S, et. al. Fresh, strength, durability and microstructural proper (https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=rANVcHAAAAAJ&sortby=pubdate&citation_for_view=rANVcHAAAAAJ of Science and Technology, Transactions of Civil Engineering.
- Gajera B, Panwar NL. Pyrolysis and kinetic behaviour of black gram straw using thermogravimetric analysi Utilization, and Environmental Effects. Sep 4:1-4.
- Yettou F, Gama A, Azoui B, Malek AY, Panwar NL. Experimental investigation and thermal modelling of temperature mapping. (2019); Journal of Thermal Analysis and Calorimetry. May; 136(3):1347-64.
- Ghodasara JB, Jain S. Evaluate Thermal Performance of Vacuum Tube Integrated Solar Distillation View_op=view_citation&hl=en&user=rANVcHAAAAAJ&sortby=pubdate&citation_for_view=rANVcHAAAAAJ (2019); Invertis Journal of Renewable Energy.
- Panwar NL, Gajera B, Jain S, et. al. Thermogravimetric studies on co-pyrolysis of ra-(https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&cstart=20&pagesize=80&sortby=pubdate&citation_vol. 38 (11), 1259-1268, (2020); Waste Management & Research.
 - Mertia P, Kothari S,Panwar NL, Sharma D, et. al. Electrical Analysis of Solar Photovoltaic-T (https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fl6f-k0AAAAJ&sortby=pubdate k0AAAAJ:ns9cj8rnVeAC), vol. 9 (10), 2925-2932, (2020); Int. J. Curr. Microbiol. App. Sci.
 - Mertia P, Kothari S, Agrawal N, Panwar NL. Experimental Analysis of Solar Photovo (https://scholar.google.com/citations?view_op=view_citation&hl=en&user=fl6f-k0AAAAJ&sortby=pubdate k0AAAAJ:03NaXMp0MMsC), vol. 9 (10), 1623-1630, (2020); Int. J. Curr. Microbiol. App. Sci.
- Panwar NL, Pawar A. Influence of activation conditions on the physicochemical properties of activated bio

Powered by Google Translate (https://translate.google.com)

D. Experimental investigation on the production of bio-oil

Part A: Recovery, Utilization, and Environmental Effects. Jun 16:1-6.

- Pawar A, Panwar NL. Experimental investigation on biochar from groundnut shell in a continuous produ and Biorefinery. Mar 18:1-1.
- Kadam R, Pawar A, Panwar NL. Experimental investigation on non-oxidative biomass torrefaction system Utilization, and Environmental Effects. 2020 Mar 13:1-2.
- Pawar A, Panwar NL, Salvi BL. Comprehensive review on pyrolytic oil production, upgrading and its utiliza Waste Management. Nov; 22:1712-22.
- Panwar NL, Pawar A. Influence of activation conditions on the physicochemical properties of activated biand Biorefinery. 2020 Jul 14:1-23.
- Pawar A, Panwar NL, Jain S, et. al. Thermal degradation of coconut husk waste bit (https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&sortby=pubdate&citation_for_view=BOZRMYcAAAA Conversion and Biorefinery.
- Agrawal Y, Gupta T, Sharma R,Panwar NL, et. al. A Comprehensive Review on the Performance of Str Sustainable Construction
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&sortby=pubdate&citation_for_view=BOZRMYcAAAA Construction Materials
- Rathore N, Panwar NL. Strategic overview of management of future solar photovoltaic panel (https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&sortby=pubdate&citation_for_view=BOZRMYcAAAA 0734242X211003977 (2021), Waste Management & Research.
- Saxena R, Gupta T, Sharma RK, Panwar NL. Influence of granite waste on mechanical and durability prope (https://scholar.google.com/citations?
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&sortby=pubdate&citation_for_view=BOZRMYcAAAA Environment, Development and Sustainability.
- Rathore NS, Pawar A, Panwar NL. Kinetic analysis and thermal degradation study on wheat straw and its isothermal
 - view_op=view_citation&hl=en&user=BOZRMYcAAAAJ&sortby=pubdate&citation_for_view=BOZRMYcAAAA Conversion and Biorefinery.

 - Panwar NL, Paul AS. An overview of recent development in bio-oil upgrading and separation techniques. (2

Book Chapters

lustrial applications. In: Wood: Type, Properties and Use. No

Powered by Google Translate (https://translate.google.com)

om Castor Seed Oil. In: Liquid Fuels: Types, Properties and

ZUIZ: 109-194.

- Kothari R, Kumar V, Panwar NL, Tyagi VV. Municipal Solid-Waste Management Strategies for Renewable Production. CRC Press, 2014:263-283.
- Rathore NS, Panwar NL. Solar Tunnel Dryer. An Energizing Drying Technology. In Drying Technologies f Edition: 1, Chapter: 11, Publisher. New India Publishing Agency. 2015: 265-277.
- Sharma K, Kothari S, Panwar NL, Rathore N, Samar K. Experimental investigation on farmer-friendly hybrid drye Energy Research, Springer, Singapore. Vol. 2. 2020: 81-92.
- Pawar A, Panwar NL. Biochar production for environmental production application. Advances in bio energy 2021:173-91.
- Kumar H, Verma AR, Sahoo SS, Panwar NL. Advancement in improved biomass cookstove and its current status 2021 Narendra publishing house, Delhi. 2021: 193 -207.
- More M, Agrawal C, Sharma D,et. al. Development of pellet machine for utilization of biogas view_op=view_citation&hl=en&user=DONxOn0AAAAJ&sortby=pubdate&citation_for_view=DONxOn0AAAAJ:5nxA0v Engineering Design.

Books/Manuals/Bulletin/Reports

- Pratap Singh, H.S. Dungarwal, Sudhir Jain, H.C.L. Gupta and P.L. Maliwal, Sub-Humid Southern Plain and 2004; pages94, Agricultural Research Station, MPUAT, Udaipur.
- HCL Gupta, Ashok Kumar, OP Ameta and Sudhir Jain, Alternatives to Chemical Pesticides in Pest Manage Udaipur
- Kothari, S., Kaushik,S.C., Mathur, A.N. "Greenhouse Science and Technology" Himanshu Publication, Udaip
- Rathore, N.S., Panwar, N.L., Kothari, S. Biomass Production & Utilization Technology Himanshu Publication,
- ≽ 📗 Rathore, N.S., Kurchania, A.K., Panwar, N.L. "Non Conventional Energy Sources" Himanshu Publication, Uda
- Rathore, N.S., Mathur, A.N., Kothari, S. "Alternate sources of energy" ICAR publication 2007
- Rathore, N.S., Panwar, N. L., Kurchania, A.K. "Jatropha-Cultivation & Processing Practices", Himanshu Pub
- 🏲 Rathore, N.S., Panwar, N.L. "Renewable Energy Sources for Sustainable Development" New India Publishin
- Rathore,N.S., Panwar, N.L., Kurchania, A.K. "Renewable Energy: Theory and Practice" Himanshu Publicatior
- Akshay Urja Shroat (Hindi), (2008), Sharma D., Kurchania A. K., Agrawal D, Department of Renewable Energ
- Rathore, N.S., Panwar, N.L. "Energy Use Pattern and Conservation Opportunities in Agriculture" Himanshu
 - Kaushik S.C., Panwar N.L. "Alternate Energy Resources" (Hindi). Himanshu Publication, Udaipur (Rajasthan)

Powered by Google Translate (https://translate.google.com)

tion of cattle dung in solid state, (2009), Kurchania A.K., e nergy Sources (ICAR), CIAE, Bhopal. Rathore, N.S., Panwar, N.L. Himanshu Publication, Udaipur (Rajasthan) 2010

Kurchania A. K. and others. (2011), Manual, Department of Renewable Energy Engineering, CTAE, Udaipur.

Kurchania A. K. and others. (2011), Family Size Solid-State Deenbandhu Fixed Dome Design Biogas Plant Engineering, CTAE, Udaipur.

Mannual: Choudhry M, Wadhawan N and Arora K (2011) Speciality Foods. Funded by ICAR,New Delhi

A.G.Mohod and Sudhir Jain, Renewable Energy Technologies for Cashew Nut Processing: Design, deve 2012, ISBN: 973-3-8484-4642-1,Pg-322, LAMBART Academic Publishing, Germany

Sudhir Jain, Compendium on Post Graduate Studies Regulations and Course Description (Section—1&II), 2

Sharma D, Samar KK. "Biogas, Advantage, Methods and Maintenance." Apex Publication House, Year-2017, Sharma D, Samar K, Rathore N. "Textbook on Renewable energy and Green Technology." Agrotech Publish 4

Sharma D, Rathore N, Samar K. "Waste and By-product utilization." Apex Publishing House, Udaipur, 2020, I

Gama A, Yettou F, Panwar NL. Rathore N. "Solar Energy Resources (Science and Technology)". Himanshu F

Rathore NS, Panwar NL. "Biomass Production and Efficient Utilization for Energy Generation." N
9789390175086

Rathore NS, Panwar NL. "Fundamentals of Renewable Energy." New India Publishing Agency, 2021, ISBN: 9

Rathore NS, Panwar NL. "New Engineering Technologies for Modern Farming." New India Publishing Agency, 2021, I

LEAFLET/BOOKLET PUBLICATION

Practi Rainai Scientific Collection Storage Processing

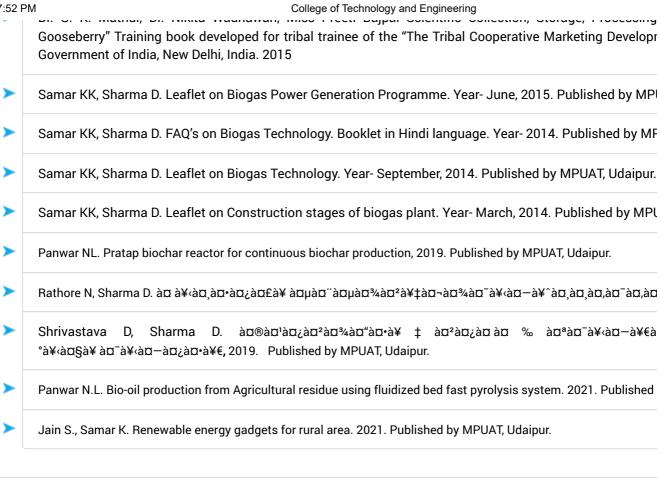
Dr. G. K. Mathur, Dr. Nikita Wadhawan, Miss Preeti Bajpai, Dr. Mani G. Singh and Mr. S.S. Chasta, Book Products. 2016

Samar KK, Sharma D. FAQ's on Biogas Technology, Second Edition. Booklet in Hindi language. Year-2016. F

Samar KK, Sharma D. FAQ's on Biogas Technology. Booklet in English language. Year-2016. Published by N

Dr. L.K. Murdia, Dr. Nikita Wadhawan, Dr. N. K. Jain, Miss Preeti Bajpai and Miss Seema Shekhawar Preservation and Value Addition: Training booklet developed for Extension functionaries and farmers o Millets Research and Development, Government of Rajasthan, New Delhi, India. 2016

Samar KK, Sharma D. Leaflet on Renewable Energy Sources. Year- December, 2015. Published by MPUAT, Leaflet on Renewable Energy Sources. Year- December of Excellence on Processing Pr



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 MOU with Jain Irrigation Systems Pvt. Ltd., Jalgaon
 MOU with R. K. Sansthan, Swai Madhopur (Rajasthan)