

LIST OF PUBLICATIONS

1. Mangroliya, M., Bhoomi, R., Jogunuri, J. and Vyas D.K. (2022). Estimation of Weibull parameters by different methods for assessment of wind energy potential. *2022 International Conference on Intelligent Controller and Computing for Smart Power (ICICCCSP)*, Hyderabad, India, 2022, pp. 1-6, doi: 10.1109/ICICCCSP53532.2022.9862454.
2. Chavda, J. J. and Vyas, D. K. (2022). Biomass combustor based drying of beetroot. *Agricultural Engineering Today*, 46 (1): 8-16.
3. Chavda, J.J., Vyas, D. K., Kumar N. & Seth, N. (2022). Effect of drying temperature and slice thickness on characteristics of beetroot (*Beta vulgaris L.*). *International Journal of Agricultural Sciences*, 14 (12):12068-12074.
4. Vyas, D. K., Seth, N., and Chavda, J. J. (2021). Performance of biomass combustor based drying system for ginger drying. *Agricultural Engineering Today*, 45 (1): 19-25.
5. Vyas, D. K., Sravankumar, J., and Chavda, J. J. (2021). Performance evaluation of throat type updraft biomass gasifier using different biomass fuels. *Agricultural Engineering Today*, 45 (3): 6-12.
6. Dudhat, B.L., and Vyas, D.K. (2021). Economics of solar pump irrigation system in Dahod district, Gujarat-a pilot study. *International Journal of Agriculture Sciences*, 13(5): 10769-10771.
7. Sayyad, F.G., Akbari, S.H., Vyas, D.K., and Trivedi, M.M. (2021). Effect of pretreatment on dimensional properties of water chestnut. *Biological Forum – An International Journal*, 13(3b): 94-102.
8. Jethva, K. R., Sutar, R. F., Kumar, N. and Vyas, D.K. (2021). Effect of whey protein on sun dried protein enriched kesar mango leather. *Journal of Pharmacognosy and Phytochemistry*, 10(2): 824-830.
9. S. Jogunuri, F.T. Josh, Artificial Intelligence Methods for Solar Forecasting for optimum Sizing of PV systems: A Review (Full length paper), *Res. J. Chem. Environ*, 24 (2020), 174–180. [https://worldresearchersassociations.com/RJCESpecial\(I\)2020/32.pdf](https://worldresearchersassociations.com/RJCESpecial(I)2020/32.pdf). (Scopus Indexed)
10. Jogunuri, S., & Josh F.T. (2019). Artificial Intelligence methods for solar forecasting for optimum sizing of PV systems: A Review-Abstract. *In 2019 3rd International Conference on Renewable Energy and Sustainable Environment (RESE)* (pp. 114). ISBN: 978-93-5235-155-8 (Scopus Indexed).
11. Jogunuri, S., Mehra, V. and Vyas, D.K. (2019). Reconfiguration of solar photovoltaic panels for water pumping applications. *In 2019 International Conference on Smart Systems and Innovative Technology (ICSSIT)* (pp. 717-721). IEEE. ISBN: 978-1-7281-2118-5 (Scopus Indexed).
12. Gadariya, K., Patel, M., Jogunuri, S.K.(2018). Efficacy of solar hybrid dryers in the reduction of post-harvest losses. *In 2018 National symposium on "Doubling Farmers Income Through Technological Interventions" at 32nd ISAE National Convention*.

13. Jethva K.R., Vyas D. K., Sutar, R.F., Kumar N. and Sayyad F.G. (2018). Bio-fuels Algae: An alternative Renewable Energy Source (A Review Paper). *International Journal of Agricultural Science and Research*, 8 (2):101-108. (NAAS Rating: 4.13).
14. Vyas, D. K., Kapdi, S.S. and Gaur, M. L. (2018). Design and Development of Producer Gas-Based Heat Exchanger for Drying Application. *Energy and Environment, Water Science and Technology Library 80*. V.P. Singh et al. (eds.), https://doi.org/10.1007/978-981-10-5798-4_21.
15. Chauhan A.D., Seth, N, Vyas D. K. and Kumar N. (2017). A review of different drying techniques of freshly harvested maize cobs. *International Journal of Agricultural Science and Research (IJASR)*, Vol. 7 (3), 173-180, ISSN(P):2250-0057; ISSN (E): 2321-0087.
16. Jogunuri, S., Kumar, R., and Kumar, D. (2017). Sizing an off-grid photovoltaic system (A case study). In *2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)* (pp. 2618-2622). IEEE. DOI:<https://doi.org/10.1109/ICECDS.2017.8389927> (Scopus Indexed)
17. Jogunuri, S. K., Kumar, N., Sayyad, F. G., Pinakin, V., and Patel, V. (2017). Performance Evaluation of Multi-Purpose Mixed-Mode Cabinet Solar Food Processor (Mcsfp). *Current Agriculture Research Journal*, 5(3), 404-413. DOI:<http://dx.doi.org/10.12944/CARJ.5.3.21> (NAAS Rating: 4.36).
18. Vyas, D.K., Kapdi, S.S., Dudhat, B.L. and Akbari, S.H. (2017). Economic feasibility of updraft gasifier based combustor for hot air generation. *Trends in Biosciences*, 10 (5): 1286-1290.
19. Kumar, D., Manjeet, P., Khodifad, B.C. and Vyas, D.K. (2016). Energy Audit of lighting systems in hostel. *Advances in Life Sciences*, 5 (17):7058-7060.
20. Vyas D. K., Kapdi, S.S., Bhandari, H.D. and Chavda, J. J. (2016). Development of multifuel biomass based combustor for thermal applications. *International Journal of Agricultural Statistical Sciences*, 12 (1):215-222. (Web of Science- ESCI and Scopus Indexed)
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24. Vyas, D.K., Kapdi, S.S., Swarnkar, R. and Seth, N. (2015). Development and evaluation of updraft biomass gasifier for thermal application. *Elixir Thermal Engg.*, 81 (2015) 31509-31513, ISSN: 2229-712X.
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26. Vyas, D.K., Sayyad, F.G., Khardiwar, M.S. and Kumar, S. (2015). Physicochemical Properties of Briquettes from Different Feed Stock. *Current World Environment*, Vol. 10(1): 263-269.
27. Vyas, D.K., Dipak, T., Mendpara, V. and Akbari, S.H. (2014). Design and Development of Inverted Down Draft Gasifier for Cooking Purpose. *Scholars Journal of Engineering and Technology (SJET)*, *Sch. J. Eng. Tech.*, 2014; 2(2A):113-122 ISSN 2347-9523.
28. Singh, R.N., Sharma, S. and Vyas, D.K. (2014). Studies on effect of long term storage of Jatropha oil, blends of Jatropha oil with diesel and bio-diesel on quality. *Nature & Environment*. Vol. 19 (2): 158-163.
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34. Singh, R.N., Sharma, A.M., Jena, U., Bhawe, A.G. and Vyas, D.K. (2007). Gasifier system for cooking. *Renewable Energy "Akshay Urja"*, Ministry of New and Renewable Energy, Government of India, Vol. 1 (1):19-20.
35. Pathak, B. S., KaPatel, D. V. Bhoi, P. R., Sharma, A.M and Vyas, D. K. (2007). Design and Development of sand filter for upgrading producer gas to I. C. engine quality fuel. *International Energy Journal*. RERIC, Bangkok. Vol. 8(1) 2007.
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