

DAFTAR PUSTAKA

- Avghad, Sachin N., Ashok J. Keche, and Abhijit Kousal. 2016. "Thermal Energy Storage: A Review." *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)* 13(3):72–77. doi:10.9790/1684-1303027277.
- Data Acces Viewer (DAV). 2024. <https://power.larc.nasa.gov/data-access-viewer/>.
- Fatahi, Hazhir, Jérôme Claverie, and Sébastien Poncet. 2022. "Thermal Characterization of Phase Change Materials by Differential Scanning Calorimetry: A Review." *Applied Sciences (Switzerland)* 12(23).
- Kant, Karunesh, A. Shukla, and Atul Sharma. 2017. "Advancement in Phase Change Materials for Thermal Energy Storage Applications." *Solar Energy Materials and Solar Cells* 172:82–92. doi:10.1016/j.solmat.2017.07.023.
- Klitou, Andreas, Theoklitos Klitou, and Paris A. Fokaides. 2024. "Modelling a Packed-Bed Latent Heat Thermal Energy Storage Unit and Studying Its Performance Using Different Paraffins." *International Journal of Sustainable Energy* 43(1). doi:10.1080/14786451.2024.2306416.
- Kousksou, T., P. Bruel, A. Jamil, T. El Rhafiki, and Y. Zeraouli. 2014. "Energy Storage: Applications and Challenges." *Solar Energy Materials and Solar Cells* 120:59–80. doi:https://doi.org/10.1016/j.solmat.2013.08.015.
- Kumar, Arun, and S. K. Shukla. 2015. "A Review on Thermal Energy Storage Unit for Solar Thermal Power Plant Application." *Energy Procedia* 74:462–69. doi:10.1016/j.egypro.2015.07.728.
- Lachheb, Mohamed, Karkri Mustapha, Albouchi Fethi, Ben Nasrallah Sassi, Fois Magali, and Sobolciak Patrik. 2014. "Thermal Properties Measurement and Heat Storage Analysis of Paraffin/Graphite Composite Phase Change Material." *Composites Part B: Engineering* 66:518–25. doi:https://doi.org/10.1016/j.compositesb.2014.05.011.

- Lane, George A. 1980. "Low Temperature Heat Storage with Phase Change Materials." *International Journal of Ambient Energy* 1(3):155–68. doi:10.1080/01430750.1980.9675731.
- Li, Yang, Zaiguo Fu, Mingxing Xue, Zhixiong Shao, Yan Li, and Qunzhi Zhu. 2022. "Experimental Study on Preparation and Thermal Storage Properties of Expanded Graphite/Paraffin Wax as a Shape-Stabilized Phase Change Material." *Energy Reports* 8:324–31. doi:10.1016/j.egyr.2022.09.149.
- Negi, Prateek, Fang-Yin Lan, Jiun-Jen Chen, Kun-Ying Li, and Win Luo. 2025. "A Hybrid Experimental-Computational-Machine Learning Framework for Optimizing Composite PCMs in Thermal Energy Storage."
- Nivaskarthick, R. 2016. *Analysis of Thermal Energy Storage System Using Paraffin Wax as Phase Change Material*. www.grdjournals.com.
- Sarbu, Ioan, and Calin Sebarchievici. 2018. "A Comprehensive Review of Thermal Energy Storage." *Sustainability* 10(1). doi:10.3390/su10010191.
- Sarbu, Ion, and Calin Sebarchievici. 2016. *Solar Heating and Cooling: Fundamentals, Experiments and Applications*. 1st ed. Elsevier.
- Sari, Ahmet, and Ali Karaipekli. 2007. "Thermal Conductivity and Latent Heat Thermal Energy Storage Characteristics of Paraffin/Expanded Graphite Composite as Phase Change Material." *Applied Thermal Engineering* 27(8–9):1271–77. doi:10.1016/j.applthermaleng.2006.11.004.
- Sathiyaraj, R., R. Rakesh, N. Mithran, and M. Venkatesan. 2018. "Enhancement of Heat Transfer in Phase Change Material Using Graphite-Paraffin Composites." in *MATEC Web of Conferences*. Vol. 172. EDP Sciences.
- Sharma, Atul, V. V Tyagi, C. R. Chen, and D. Buddhi. 2009. "Review on Thermal Energy Storage with Phase Change Materials and Applications." *Renewable and Sustainable Energy Reviews* 13(2):318–45. doi:https://doi.org/10.1016/j.rser.2007.10.005.
- Sharma, R. K., P. Ganesan, V. V. Tyagi, H. S. C. Metselaar, and S. C. Sandaran. 2015. "Developments in Organic Solid-Liquid Phase Change Materials and

Their Applications in Thermal Energy Storage.” *Energy Conversion and Management* 95:193–228. doi:10.1016/j.enconman.2015.01.084.

Suwandi, Agri, Zulfikar Sjarief, Dwi Rahmalina, and Reza Abdu Rahman. 2021. “Rancang Bangun Bed Storage Untuk Thermal Energy Storage Berbasis Parafin Dan Serbuk Besi.” *JTERA (Jurnal Teknologi Rekayasa)* 6(1):163. doi:10.31544/jtera.v6.i1.2021.163-174.

Tian, Y., and C. Y. Zhao. 2013. “A Review of Solar Collectors and Thermal Energy Storage in Solar Thermal Applications.” *Applied Energy* 104:538–53. doi:https://doi.org/10.1016/j.apenergy.2012.11.051.

Zhang, Zhengguo, and Xiaoming Fang. 2006. “Study on Paraffin/Expanded Graphite Composite Phase Change Thermal Energy Storage Material.” *Energy Conversion and Management* 47(3):303–10. doi:10.1016/j.enconman.2005.03.004.

Zhelezny, Vitaly, Olga Khliyeva, Kostyantyn Shestopalov, Viacheslav Khalak, Yana Hlek, Dmytro Ivchenko, and Bohdan Kvasnytskyi. 2025. “Paraffin Wax/Expanded Graphite for Thermal Energy Storage: Experiment and Environmental Analysis.” *Applied Thermal Engineering* 278:127197. doi:https://doi.org/10.1016/j.applthermaleng.2025.127197.