

## INTERNATIONAL JOURNALS

| S. No.            | Research Publications                                                                                                                                                                                                                                                                                                                                                                                                                                     | Indexed in                      |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>Year: 2025</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| 1.                | Lingampally Swetha, <b>Rajagopalan Parameshwaran</b> , Deshmukh Sandip, Development of Silver Nanoparticles Enriched N-Dodecanoic Acid as Energy Storage Material for Thermal Management of Electronic Systems, Vol. 1147, 23–32. Trans Tech Publications Ltd.                                                                                                                                                                                            | <b>SCOPUS</b>                   |
| 2.                | M.D. Ikramullah Khan, V. Vinayaka Ram, <b>Rajagopalan Parameshwaran</b> , Study on the Influence of Curing Regime on the Microstructural and Mechanical Properties of Alkali-Activated Concrete with Coarse Recycled Aggregates, Materials Science Forum, Vol. 1147, 41–51. Trans Tech Publications Ltd.                                                                                                                                                  | <b>SCOPUS</b>                   |
| 3.                | Jubair A. Shamim, Kashif Nawaz, Ming-Hsuan Hu, Paris Pasqualin, Easwaran N. Krishnan, Stephen P. Kowalski, Palash Kumar Bhowmik, <b>Rajagopalan Parameshwaran</b> , Wei-Lun Hsu, Yunho Hwang, Hirofumi Daiguji, Review of the potential and challenges of MOF-based adsorption heat pumps for sustainable cooling and heating in the buildings, Energy Vol. 323 135846. <b>Impact Factor: 9.4</b> , Elsevier.                                             | <b>SCIE and SCOPUS Q1</b>       |
| 4.                | GVN Trivedi, Rohan Barbade, <b>R Parameshwaran</b> , A review on preparation, characterisation and applications of microencapsulated phase change material slurries for thermal fluid and energy systems, International Journal of Hydromechatronics Vol. 8, No. 2, 148-182. <b>Impact Factor: 6.7</b> , Inderscience Publishers.                                                                                                                         | <b>SCOPUS Web of Science Q1</b> |
| <b>Year: 2024</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| 5.                | Ankamarao Padamurthy; Jalaiah Nandanavanam; <b>Parameshwaran Rajagopalan</b> , Sustainable thermochemical energy storage through eco-friendly zeolites - A characterization study, Scientia Iranica Vol. 31, No. 16, 1450-1462. <b>Impact Factor: 1.4</b> , Sharif University of Technology.                                                                                                                                                              | <b>SCIE and SCOPUS Q2</b>       |
| 6.                | Sureshkumar Kanchipuram Ramalingam, Gopikannan K, Ahmad Rifqi Muchtar, Sathyanarayanan Seetharaman, Dhayalini Bala, Arun Balaji Subramanian, karthick velu, <b>Parameshwaran Rajagopalan</b> , Kalaiselvam S, Preparation and thermophysical properties of ternary eutectic composite PCM for thermal energy storage applications, Iranian Journal of Chemistry and Chemical Engineering Vol. 43, No. 1, 2024. <b>Impact Factor: 1.903</b> , IRDCI-ACECR. | <b>SCOPUS Web of Science</b>    |

| Year: 2023 |                                                                                                                                                                                                                                                                                                                                                                              |                                 |
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| 7.         | K. Gopi Kannan, K.R. Suresh Kumar, R. Dhivagar, S. Sathyanarayanan, <b>R. Parameshwaran</b> , Pawan Kumar Singh, An experimental study on heat power stored by thermal dissipation in electronic components using thermosyphon integrated hybrid nanocomposite phase change material, Journal of Energy Storage Vol. 72 (2023) 108630. <b>Impact Factor: 9.4</b> , Elsevier. | SCIE and SCOPUS Q1              |
| 8.         | G. Naveen Kumar, V. Vinayaka Ram, <b>R. Parameshwaran</b> , Thermal and structural properties of cement mortar embedded with hybrid nanocomposite based phase change nanocapsules for building application, Construction and Building Materials Vol. 385 (2023) 131481. <b>Impact Factor: 7.693</b> , Elsevier.                                                              | SCIE and SCOPUS Q1              |
| Year: 2022 |                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| 9.         | Ankammarao Padamurthy, Jalaiah Nandanavanam, <b>Parameshwaran Rajagopalan</b> , Preparation and characterization of metal organic framework based composite materials for thermochemical energy storage applications, Applied Surface Science Advances Vol. 11 (2022) 100309. Elsevier                                                                                       | SCOPUS , ESI and Web of Science |
| 10.        | Pranshul Bhatnagar, Sufiyan Siddiqui, Inkollu Sreedhar, <b>Rajagopalan Parameshwaran</b> , Molten Salts: Potential Candidates for Thermal Energy Storage Applications, International Journal of Energy Research (2022) 1-31. <b>Impact Factor: 4.672</b> , Wiley.                                                                                                            | SCIE and SCOPUS Q1              |
| 11.        | R. Naresh, <b>R. Parameshwaran</b> , V. Vinayaka Ram, Microcapsules of n-dodecanoic acid/melamine-formaldehyde with enhanced thermal energy storage capability for solar applications, Journal of Science: Advanced Materials and Devices Vol.7 (2022) 100462. <b>Impact Factor: 7.382</b> , Elsevier.                                                                       | SCIE and SCOPUS Q1              |
| 12.        | Ankammarao Padamurthy, Jalaiah Nandanavanam, <b>Parameshwaran Rajagopalan</b> , Sustainable and open sorption system for low-temperature heat storage applications, International Journal of Energy Research 1-17. <b>Impact Factor: 4.672</b> , Wiley.                                                                                                                      | SCIE and SCOPUS Q1              |
| 13.        | G.V.N. Trivedi, <b>R. Parameshwaran</b> , Micro/nanoencapsulation of dimethyl adipate with melamine formaldehyde shell as phase change material slurries for cool thermal energy storage, Chemical Thermodynamics and Thermal Analysis Vol.6 (2022) 100037. Elsevier                                                                                                         | SCOPUS                          |
| 14.        | Rachuri Naresh, Rajagopalan Parameshwaran, Vijayapuri Vinayaka Ram, Purgindla Venkata Srinivas, Study on thermal storage properties of bio-based n-dodecanoic acid/fly ash as a novel shape-stabilized phase change material, Case Studies in Thermal Engineering Vol.30 (2022) 101707. <b>Impact Factor: 4.724</b> , Elsevier                                               | SCIE Q1                         |

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| 15.               | Palash Sharma, K. Ramesh, <b>R. Parameshwaran</b> , Sandip S. Deshmukh, Thermal conductivity prediction of titania-water nanofluid: A case study using different machine learning algorithms, Case Studies in Thermal Engineering Vol.30 (2022) 101658. <b>Impact Factor: 4.724</b> , Elsevier                                                            | <b>SCIE<br/>Q1</b>                         |
| 16.               | Pavneet Kaur Bhatia, Swarnika Agarwal, I.Sreedhar, <b>R. Parameshwaran</b> , Biomass based polymers as effective drag reducing agents in turbulent flow, Biomass Conversion and Biorefinery (2022). <b>Impact Factor: 4.987</b> , Springer                                                                                                                | <b>SCIE and<br/>SCOPUS<br/>Q2</b>          |
| <b>Year: 2021</b> |                                                                                                                                                                                                                                                                                                                                                           |                                            |
| 17.               | R. Parameshwaran, R. Naresh, V. Vinayaka Ram, P.V. Srinivas, Microencapsulated bio-based phase change material-micro concrete composite for thermal energy storage, Journal of Building Engineering Vol.39 (2021) 102247. <b>Impact Factor: 5.318</b> , Elsevier                                                                                          | <b>SCIE and<br/>SCOPUS<br/>Q1</b>          |
| 18.               | G. Naveen Kumar, Bader Al-Aifan, R. Parameshwaran, V. Vinayaka Ram, Facile synthesis of microencapsulated 1-dodecanol/melamine formaldehyde phase change material using in-situ polymerization for thermal energy storage, Colloids and Surfaces A: Physicochemical and Engineering Aspects Vol.610 (2020) 125698. <b>Impact Factor: 4.539</b> , Elsevier | <b>SCIE and<br/>SCOPUS<br/>Q2</b>          |
| 19.               | Ankammarao Padamurthy, Jalaiah Nandanavanam, & <b>Parameshwaran Rajagopalan</b> , Thermal stability evaluation of selected zeolites for sustainable thermochemical energy storage, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 1-17. <b>Impact Factor: 2.902</b> , Taylor & Francis.                                         | <b>SCIE and<br/>SCOPUS<br/>Q2</b>          |
| 20.               | P.K. Chauhan, <b>R. Parameshwaran</b> , P. Kannan, R. Madhavaram, R. Sujith, Hydrogen storage in porous polymer derived Silicon Oxycarbide ceramics: Outcomes and perspectives, Ceramics International, Vol.47 (2021) 2591-2599. <b>Impact Factor: 4.527</b> , Elsevier                                                                                   | <b>SCI, MSCI<br/>and<br/>SCOPUS<br/>Q1</b> |
| <b>Year: 2020</b> |                                                                                                                                                                                                                                                                                                                                                           |                                            |
| 21.               | G.V.N. Trivedi, <b>R. Parameshwaran</b> , Cryogenic conditioning of microencapsulated phase change material for thermal energy storage, <a href="#">Scientific Reports – Nature</a> Vol.No.10 (2020)18353. <b>Impact Factor: 4.379</b> .                                                                                                                  | <b>SCI, SCIE<br/>and<br/>SCOPUS<br/>Q1</b> |
| 22.               | <b>R. Parameshwaran</b> , G. Naveen Kumar, V. Vinayaka Ram, Experimental analysis of hybrid nanocomposite-phase change material embedded cement mortar for thermal energy storage, Journal of Building Engineering Vol.30 (2020) 101297. <b>Impact Factor: 5.318</b> , Elsevier.                                                                          | <b>SCI and<br/>SCOPUS<br/>Q1</b>           |

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| 23.               | G.V.N. Trivedi, <b>R. Parameshwaran</b> , Microencapsulated phase change material suspensions for cool thermal energy storage, Materials Chemistry and Physics Vol.242 (2020) 122519. <b>Impact Factor: 4.094</b> , Elsevier.                                                                                                        | <b>SCI and SCOPUS Q2</b>       |
| <b>Year: 2019</b> |                                                                                                                                                                                                                                                                                                                                      |                                |
| 24.               | Ovase Moinuddin, G. V. N. Trivedi, <b>R. Parameshwaran</b> , Sandip. S. Deshmukh, Study on thermal storage properties of microencapsulated organic ester as phase change material for cooling application, International Journal of Environmental Analytical Chemistry (2019) 1-10. <b>Impact Factor: 2.826</b> , Taylor & Francis.  | <b>SCI, SCIE and SCOPUS Q3</b> |
| 25.               | P. K. Chuahan, V. Vidhukiran, R. Sujith, <b>R. Parameshwaran</b> , Experimental Investigation and Modelling of Hydrogen Storage on Graphene Nanoplatelets using Seivert's Apparatus, Materials Research Express, Vol.6 (2019) 105617. <b>Impact Factor:1.620</b> , IOP Science.                                                      | <b>SCIE and SCOPUS Q2</b>      |
| 26.               | Pawan K. Chauhan, Ravindran Sujith, <b>Rajagopalan Parameshwaran</b> , A.V.S. Siva Prasad, Role of polysiloxanes in the synthesis of aligned porous silicon oxycarbide ceramics, Ceramics International, Vol. No. 45, (2019) pp. 8150-8156. <b>Impact Factor: 4.527</b> , Elsevier                                                   | <b>SCI, MSCI and SCOPUS Q1</b> |
| <b>Year: 2018</b> |                                                                                                                                                                                                                                                                                                                                      |                                |
| 27.               | V. Venkateswara Rao, <b>R. Parameshwaran</b> , V. Vinayaka Ram, PCM-mortar based construction materials for energy efficient buildings: A review on research trends, Energy and Buildings, Vol. No. 158 (2018) pp. 95-122. <b>Impact Factor: 5.879</b> , Elsevier.                                                                   | <b>SCIE and SCOPUS Q1</b>      |
| <b>Year: 2017</b> |                                                                                                                                                                                                                                                                                                                                      |                                |
| 28.               | K.R. Suresh Kumar, <b>R. Parameshwaran</b> , S. Kalaiselvam, Preparation and characterization of hybrid nanocomposite embedded organic methyl ester as phase change material, Solar Energy Materials & Solar Cells, Vol. No. 171 (2017) pp. 148-160. <b>Impact Factor: 7.267</b> , Elsevier.                                         | <b>SCI, MSCI and SCOPUS Q1</b> |
| 29.               | Bader Al-Aifan, <b>R. Parameshwaran</b> , Kushagra Mehta, R. Karunakaran, Performance evaluation of a combined variable refrigerant volume and cool thermal energy storage system for air conditioning applications, International Journal of Refrigeration, Vol. No. 76 (2017) pp. 271-295. <b>Impact Factor: 3.629</b> , Elsevier. | <b>SCIE and SCOPUS Q1</b>      |

| Year: 2016 |                                                                                                                                                                                                                                                                                                                                |                                  |
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| 30.        | Devasenan Madhesh, <b>Rajagopalan Parameshwaran</b> , Siva Kalaiselvam, Experimental Studies on Convective Heat Transfer and Pressure Drop Characteristics of Metal and Metal Oxide Nanofluids Under Turbulent Flow Regime, Heat Transfer Engineering, Vol. No. 37 (2016) pp. 422-434. <b>Impact Factor: 2.172</b> , Elsevier. | SCI, MSCI<br>and<br>SCOPUS<br>Q1 |
| Year: 2014 |                                                                                                                                                                                                                                                                                                                                |                                  |
| 31.        | <b>Parameshwaran R</b> , Deepak K, Saravanan R & Kalaiselvam S, Preparation, thermal and rheological properties of hybrid nanocomposite phase change material for thermal energy storage, Applied Energy, Vol. No. 115 (2014) pp. 320-330. <b>Impact Factor: 9.746</b> , Elsevier.                                             | SCI, SCIE<br>and<br>SCOPUS<br>Q1 |
| 32.        | <b>Parameshwaran R</b> & Kalaiselvam S, Energy conservative air conditioning system using silver nano-based PCM thermal storage for modern buildings, Energy and Buildings, Vol.No. 69 (2014) pp. 202-212. <b>Impact Factor: 5.879</b> , Elsevier.                                                                             | SCIE and<br>SCOPUS<br>Q1         |
| 33.        | Madhesh D, <b>Parameshwaran R</b> , Kalaiselvam S, Experimental investigation on convective heat transfer and rheological characteristics of Cu–TiO <sub>2</sub> hybrid nanofluids, Experimental Thermal and Fluid Science, Vol.No. 52, pp. 104-115. <b>Impact Factor: 3.232</b> , Elsevier.                                   | SCIE and<br>SCOPUS<br>Q1         |
| Year: 2013 |                                                                                                                                                                                                                                                                                                                                |                                  |
| 34.        | <b>Parameshwaran R</b> & Kalaiselvam S, Energy efficient hybrid nanocomposite-based cool thermal storage air conditioning system for sustainable buildings, Energy, Vol.No. 59 (2013) pp. 194-214. <b>Impact Factor: 7.147</b> , Elsevier.                                                                                     | SCI, SCIE<br>and<br>SCOPUS<br>Q1 |
| 35.        | <b>Parameshwaran R</b> & Kalaiselvam S, Effect of aggregation on thermal conductivity and heat transfer in hybrid nanocomposite phase change colloidal suspensions, Applied Physics Letters, Vol.No.103 (2013) pp. 193113-1-5. <b>Impact Factor: 3.791</b> , Elsevier.                                                         | SCI<br>Q1                        |
| 36.        | <b>Parameshwaran R</b> , Dhamodharan P & Kalaiselvam S, Study on thermal storage properties of hybrid nanocomposite-dibasic ester as phase change material, Thermochimica Acta, Vol.No. 573 (2013) pp. 106-120. <b>Impact Factor: 3.115</b> , Elsevier.                                                                        | SCI and<br>SCOPUS<br>Q1          |
| 37.        | <b>Parameshwaran R</b> , Kalaiselvam S & Jayavel R, Green synthesis of silver nanoparticles using Beta vulgaris: Role of process conditions on size distribution and surface structure, Materials Chemistry and Physics Vol.No. 140 (2013) pp. 135-147. <b>Impact Factor: 4.094</b> , Elsevier.                                | SCI and<br>SCOPUS<br>Q2          |

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| 38.               | <b>Parameshwaran R</b> , Jayavel R & Kalaiselvam S, Study on thermal properties of organic ester phase-change material embedded with silver nanoparticles, Journal of Thermal Analysis and Calorimetry, Vol.No. 114 (2013) pp. 845-858. <b>Impact Factor: 4.626</b> , Elsevier.                                                         | <b>SCI, SCIE and SCOPUS Q2</b> |
| <b>Year: 2012</b> |                                                                                                                                                                                                                                                                                                                                         |                                |
| 39.               | <b>Parameshwaran R</b> , Kalaiselvam S, Harikrishnan S & Elayaperumal A, Sustainable thermal energy storage technologies for buildings: A review, Renewable and Sustainable Energy Reviews, Vol.No. 16 (2012) pp. 2394-2433. <b>Impact Factor: 14.982</b> , Elsevier.                                                                   | <b>SCIE and SCOPUS Q1</b>      |
| 40.               | Kalaiselvam S, <b>Parameshwaran R</b> & Harikrishnan S, Analytical and experimental investigations of nanoparticles embedded phase change materials for cooling application in modern buildings, Renewable Energy, Vol.No. 39 (2012) pp. 375-387. <b>Impact Factor: 8.001</b> , Elsevier.                                               | <b>SCIE and SCOPUS Q1</b>      |
| <b>Year: 2010</b> |                                                                                                                                                                                                                                                                                                                                         |                                |
| 41.               | <b>Parameshwaran R</b> , Harikrishnan S & Kalaiselvam S, Energy efficient PCM-based variable air volume air conditioning system for modern buildings, Energy and Buildings, Vol.No. 42 (2010) pp. 1353-1360. <b>Impact Factor: 5.879</b> , Elsevier.                                                                                    | <b>SCIE and SCOPUS Q1</b>      |
| 42.               | <b>Parameshwaran R</b> , Karunakaran R, Vinu Raja Kumar C & Iniyan S, Energy conservative building air conditioning system controlled and optimized using fuzzy-genetic algorithm, Energy and Buildings Vol.No. 42 (2010) pp. 745-762. <b>Impact Factor: 5.879</b> , Elsevier.                                                          | <b>SCIE and SCOPUS Q1</b>      |
| 43.               | Kalaiselvam S, Marcel Xavier L, Kumares GR, <b>Parameshwaran R</b> , Harikrishnan S, Experimental and numerical investigation of phase change materials (PCMs) with finned encapsulation for energy efficient buildings, Journal of Building Performance Simulation, Vol. No. 3 (2010) 245-254. <b>Impact Factor: 2.957</b> , Elsevier. | <b>SCOPUS Q1</b>               |
| 44.               | <b>Parameshwaran R</b> , Karunakaran R, Muthumariappan S & Bipasha S, An Energy Efficient Air Conditioning System using Displacement Ventilation and Chilled Ceiling for Modern Office Buildings, International Journal of Ventilation Vol.No. 9 (2010) pp. 25-44. <b>Impact Factor: 1.595</b> , Elsevier.                              | <b>SCOPUS Q2</b>               |
| <b>Year: 2009</b> |                                                                                                                                                                                                                                                                                                                                         |                                |
| 45.               | Karunakaran R, <b>Parameshwaran R</b> , Senthilkumar A, Iniyan S, Mohan Lal D, Experimental Analysis of Energy Efficient Building Air Conditioning System using Fuzzy Logic Controller, International Energy Journal Vol.No. 10 (2009) pp. 113-130. RERIC.                                                                              | <b>SCOPUS Q3</b>               |

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| 46.               | Karunakaran R, <b>Parameshwaran R</b> , Senthilkumar A, Iniyan S, Efficient Variable Air Volume Air Conditioning System Based on Fuzzy Logic Controller for Buildings, Science & Technology Asia (formerly the International Journal of Science and Technology Thammasat) Vol.No. 14 (2009) pp. 21-33. Thammasat University.   | <b>SCOPUS Q3</b>          |
| <b>Year: 2008</b> |                                                                                                                                                                                                                                                                                                                                |                           |
| 47.               | <b>Parameshwaran R</b> , Karunakaran R, Senthilkumar A, Iniyan S, Mohan Lal D, Experimental analysis of fuzzy controlled energy efficient demand controlled ventilation economizer cycle variable air volume air conditioning system, Thermal Science Vol.No. 12 (2008) pp. 15-32. <b>Impact Factor: 1.541</b> , Elsevier.     | <b>SCIE and SCOPUS Q2</b> |
| 48.               | <b>Parameshwaran R</b> , Karunakaran R, Iniyan S & Anand A. Samuel, Optimization of Energy Conservation Potential for VAV Air Conditioning System using Fuzzy based Genetic Algorithm, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering Vol.No. 2 (2008) pp. 67-74. WASET | -                         |
| <b>Year: 2007</b> |                                                                                                                                                                                                                                                                                                                                |                           |
| 49.               | Karunakaran R, <b>Parameshwaran R</b> , Ramakrishna Pyluru, Iniyan S & Mohan Lal D, Experimental Analysis of a Genetic-Fuzzy Inverter DX VAV A/C System for Automatically Ventilated Buildings, International Journal of Ventilation Vol.No. 6 (2007) pp. 219-234. <b>Impact Factor: 1.595</b> , Taylor & Francis.             | <b>SCOPUS Q2</b>          |
| 50.               | Karunakaran R, <b>Parameshwaran R</b> , Iniyan S & Anand A. Samuel, Experimental Evaluation of Combined DCV and Economizer Cycle using a FLC Variable Air Volume (VAV) System, International Journal of Ventilation Vol.No. 5 (2007) pp. 393-404. <b>Impact Factor: 1.595</b> , Taylor & Francis.                              | <b>SCOPUS Q2</b>          |

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1. G.V.N. Trivedi, **R. Parameshwaran**, Microencapsulated Phase Change Material Slurries for Cool Thermal Energy Storage, International Conference on Greener Technologies in Mechanical Engineering (ICGTME-2025), BITS Pilani, Pilani Campus, Feb 3-4, 2025. **(Best Paper Award)**
2. R. Naresh, **R. Parameshwaran**, V. Vinayaka Ram, Thermal Performance Analysis of Bio-Based Phase Change Material Integrated Cool Roof Composite for Passive Cooling In Buildings, International Conference on Greener Technologies in Mechanical Engineering (ICGTME-2025), BITS Pilani, Pilani Campus, Feb 3-4, 2025.
3. Abhijeet Chandra, Aryaman Vaish, Karthik Rohit Kosuru, L Swetha, R. Parameshwaran, V. Vinayaka Ram, Phase Transition Microbeads for Thermal Energy Storage Applications", 2nd International Conference on Recent Innovations & Developments in Mechanical Engineering (ICRIDME 2024), National Institute of Technology (NIT), Meghalaya, November 14-16, 2024. **(Recipient of Best Paper Presentation Award)**

4. Lingampally Swetha, **Rajagopalan Parameshwaran**, Sandip S. Deshmukh. Nanoparticle-Enhanced Phase Change Materials for Improved Thermal Management in Aerospace Devices. Proceedings of the International Conference on Advances in Aerospace and Energy Systems, April 04-06, 2024, Liquid Propulsion Systems Centre (ISRO), Thiruvananthapuram, Kerala.
5. Lingampally Swetha, **Rajagopalan Parameshwaran**, Sandip S. Deshmukh, Development of silver nanoparticles enriched n-dodecanoic acid as energy storage material for thermal management of electronic systems, 3rd International Conference on Recent Advances in Materials and Manufacturing Technologies (IMMT-2023), BITS-Pilani Dubai Campus, Dubai, 20-23 November 2023.
6. MD Ikramullah Khan, V. Vinayaka Ram, **Rajagopalan, Parameshwaran**, Study on the influence of curing regime on the microstructural and mechanical properties of alkali-activated concrete with coarse recycled aggregates, 3rd International Conference on Recent Advances in Materials and Manufacturing Technologies (IMMT-2023), BITS-Pilani Dubai Campus, Dubai, 20-23 November 2023.
7. **Rajagopalan Parameshwaran**, G.V.N. Trivedi, Jubair A. Shamim, Wei-Lun Hsu, Hirofumi Daiguji, Development of magnetic nanoparticles embedded 1-octadecanol micro/nanocapsules Phase change material for thermal management of electronic systems, No.22-38 Proceedings of the Japan Society of Mechanical Engineers (JSME), Thermal Engineering Conference 2022, The University of Tokyo, Japan, 8-9 October 2022.
8. Puppala Manoj Kumar, **R. Parameshwaran**, I. Sreedhar, Thermal Conductivity Enhancement of Magnetic Nanofluids for Energy Applications, International Conference on Novel Materials and Technologies for Energy and Environmental Applications (NMTE2A), BITS-Pilani Hyderabad Campus, Hyderabad, 18-19 February 2022. (**Accepted in Materials Today Proceedings**, Elsevier).
9. R. Aniruddha, I. Sreedhar, **R. Parameshwaran**, Valorization of alkaline hydroxide modified coal fly ash to efficient adsorbents for enhanced carbon capture, International Conference on Novel Materials and Technologies for Energy and Environmental Applications (NMTE2A), BITS-Pilani Hyderabad Campus, Hyderabad, 18-19 February 2022. (**Accepted in Materials Today Proceedings**, Elsevier).
10. K.V.L.N. Raju, G. Naveen Kumar, V. Vinayaka Ram, R. Parameshwaran, Preparation, thermal and structural properties of n-octadecane/melamine formaldehyde nanocapsules embedded cement mortar for energy storage application in buildings, First International Conference on Advances in Mechanical Engineering and Material Science (ICAMEMS-2022), VIT-AP University, Amaravati, Andhra Pradesh, 22-24 January 2022 (**Accepted in Materials Today Proceedings** (2022), Elsevier).
11. Ankammarao Padamurthy, Jalaiah Nandanavanam, **Parameshwaran Rajagopalan**, Assessment of selected salt hydrates for thermochemical energy storage applications, Materials Today Proceedings Vol. 64 (2022) 1609-1615 (Elsevier).



12. R. Naresh, **R. Parameshwaran**, V. Vinayaka Ram, P. V. Srinivas, Bio-based hexadecanol impregnated fly-ash aggregate as novel shape stabilized phase change material for solar thermal energy storage, First International Conference on Advances in Mechanical Engineering and Material Science (ICAMEMS-2022), VIT-AP University, Amaravati, Andhra Pradesh, 22-24 January 2022 (**Accepted in Materials Today Proceedings** (2022), Elsevier).
13. Lagan Pathak, G.V.N. Trivedi, R. Parameshwaran, Sandip S. Deshmukh, Microencapsulated phase change materials as slurries for thermal energy storage: A review, Proceedings of the 11<sup>th</sup> International Conference on Materials, Processing & Characterization, IIT Indore, December 15-17, 2020 (**Published in Materials Today: Proceedings** Vol.No. 44 (2021) pp. 1960-1963, Elsevier).
14. Vedanth Narayan Kuchibhotla, G. V. N. Trivedi, **R. Parameshwaran**, Dimethyl Adipate Based Microencapsulated Phase Change Material with Silica Shell for Cool Thermal Energy Storage, Proceedings of the International Conference on Thermofluids – 2020 KIIT THERMO-2020, KIIT Bhubaneswar, January 23 -25, 2020 (Accepted in Lecture Notes in Mechanical Engineering, Springer Nature, Singapore, 2020).
15. R. Naresh, **R. Parameshwaran**, V. Vinayaka Ram, Study on thermal properties of bio-based shape-stabilized phase change material for energy efficient buildings, Proceedings of the International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES - 2020] NIT Rourkela, India, 10-12 February 2020.
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