

List of International/National Conference Proceedings

1. **Vinod Kumar Sharma**, E. Anil Kumar, “Simulation of Pressure Concentration Isotherms of $MmNi_{5-x}Al_x$ Hydrides”, Proceedings of the **3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011)**, D21, November 22-23, 2011, Kuala Lumpur, Malaysia.
2. **Vinod Kumar Sharma**, E. Anil Kumar, “Evaluation of Thermal Conductivity of Metal Hydrides”, Proceedings of the **International Conference on Advanced Materials (ICAM-2011)**, pp 299-235, December 12-16, 2011, Coimbatore, India.
3. **Vinod Kumar Sharma**, E. Anil Kumar, “Characterization of Metal Hydrides for Hydrogen Storage and Metal Hydride Based Engineering Applications”, Proceedings of **International Conference on Futuristic Trends in Materials and Energy Systems (FTME-2011)**, pp 141-146, December 29-30, 2011, Vijayawada, India.
4. **Vinod Kumar Sharma**, E. Anil Kumar, “Carbon Nanomaterials for Hydrogen Storage”, Proceedings of **1st Winter Workshop on Engineering at Nanoscale: From Materials to Bio-Sensors**, December 10-12, 2012, Indore, India.
5. **Vinod Kumar Sharma**, E. Anil Kumar, “Estimation of Enthalpy of formation of Metal Hydrides- Influence of various parameters”, Proceedings of **International conference on Advances in Biological Hydrogen Production and Application**, December 14 -15, 2012, Hyderabad, India.
6. **Vinod Kumar Sharma**, E. Anil Kumar, “Measurement of static and dynamic pressure-concentration isotherms of $LaNi_5$ based metal hydrides”, Proceedings of **International Conference on Environment and Energy (ICEE 2014)**, December 15-17, 2014, Hyderabad.
7. **Vinod Kumar Sharma**, E. Anil Kumar, “Effect of temperature and pressure on reaction kinetics of La based metal hydrides”, Proceeding of **International Conference on Polygeneration (ICP 2015)**, February 18-20, 2015, Chennai.
8. Rakesh Sharma, **Vinod Kumar Sharma**, E. Anil Kumar, “Working pairs suitable for ammoniated salts-based resorption cooling systems – A review”, Proceedings of **International Conference on Polygeneration (ICP 2015)**, February 18-20, 2015, Chennai.

9. Bhupesh Chandrakar, **Vinod Kumar Sharma**, “Design and optimization of slider and crank mechanism with multi body system”, Presented in **International Seminar on Utilization of Non-Conventional Energy Sources for Sustainable Development of Rural Areas** (paras 2015), March 21-22, 2015, Bhilai, India.
10. **Vinod Kumar Sharma**, E. Anil Kumar, “Thermodynamic analysis of metal hydride based solid sorption cooling system using static and dynamic PCI data” Proceedings of **National Conference on Refrigeration and Air-Conditioning (NCRAC2015)**, October 28-30, 2015, Chennai.
11. **Vinod Kumar Sharma**, E. Anil Kumar, “Thermodynamic analysis of two stage metal hydride-based hydrogen compressor using static and dynamic PCI data” Proceedings of **International Conference on Advances in Energy Research (ICAER2015)**, December 15-17, 2015, Mumbai. **Materials Today Proceedings**, 5 (2018) 23218-23223.
12. **Vinod Kumar Sharma**, Man Mohan, Badiganti Chandra Mouli, “Effects of operating parameters on pressure concentration isotherm and thermodynamic properties of $\text{LaNi}_{4.6}\text{Al}_{0.4}$ hydride”, Proceedings in **International Conference on Materials, Manufacturing and Modelling (ICMMM2017)**, March 9-11, 2017, VIT University, Vellore, India.
13. **Vinod Kumar Sharma**, Man Mohan, Badiganti Chandra Mouli, “Effects of Measurement Conditions on Pressure-Concentration Isotherm and Thermodynamic Properties of $\text{LaNi}_{4.6}\text{Al}_{0.4}$ Hydride”, Proceedings in **International Conference on Materials Manufacturing and Modelling**, (ICMMM 2017), March 9-11, 2017, VIT University Vellore, India.
14. **Vinod Kumar Sharma**, Man Mohan, A. Satheesh, “Thermodynamic analysis of novel three stage metal hydride-based heat transformer”, Proceedings in **International Conference on Trends and Advanced Research in Green Energy Technologies (ICTARGET2017)**, March 30-31, 2017, VIT University, Vellore, India.
15. **Vinod Kumar Sharma**, Man Mohan, Badiganti Chandra Mouli, “Thermodynamic analysis of CO_2 based solid sorption cooling system”, Proceedings in **International Conference on Advanced Functional Materials (ICAFM2017)**, May 3-5, 2017, Adhi College, Kancheepuram, India.

16. **Vinod Kumar Sharma**, Man Mohan, Chandra Mouli, “Effect of intake swirl on the performance of single cylinder direct injection diesel engine”, Proceedings in **14th International Conference on Science, Engineering and Technology**, (ICSET 2017), May 2-3, 2017, VIT University Vellore, Tamil Nadu, India.
17. Sanjay Kumar, Satyasreet Jena, Varun Lahoty, M.K. Paswan, B. Sharma, D. Patel, S.B. Prasad, **Vinod Kumar Sharma**, “Experimental investigation on the effect of welding parameters of TIG welded joints using ANOVA”, Proceedings in **2nd International Conference on Materials Manufacturing and Modelling**, (ICMMM 2019), March 29-31, 2019, VIT University Vellore, India.
18. Bhuvnesh Sharma, Man Mohan, Jigesh Yadav, M.K. Paswan, R. Chandrasekaran, **Vinod Kumar Sharma**, Manoj Shyamrao Choudhary, “Linear Programming Archetypal for Collective Assembly and Preventive Aliment Arrangement for Reconfigurable Accomplishment System”, Proceedings in **2nd International Conference on Materials Manufacturing and Modelling**, (ICMMM 2019), March 29-31, 2019, VIT University Vellore, India.
19. Badiganti Chandra Mouli, L. Siva, J. Venkata Midhun, M. Srinivasulu, J. Venkata, K. Kishor Kumar, **Vinod Kumar Sharma**, “Effect of four-parameter power law on free vibration of functionally graded skewed elliptical shell”, Proceedings in **National Conference on Materials, Mechanics and Modeling**, (NCMMM 2020); August, 29-30, 2020, Jamshedpur, India.
20. R. Chandrasekaran, Saloni, Bavana Sri P. S., **Vinod Kumar Sharma**, Manoj Choudhary, Man Mohan, Jogi Krishna, “Performance and emission characteristics of single cylinder diesel engine fuelled with Jatropha-diesel blends”, Proceedings in **National Conference on Materials, Mechanics and Modeling**, (NCMMM 2020), August, 29-30, 2020, Jamshedpur, India.
21. Peddibhotla Krishna Praneel, **Vinod Kumar Sharma**, “Experimental analysis of diesel engine run on biodiesel derived from kusum oil”, Proceedings in **3rd International Conference on Advances in Mechanical Engineering and Nanotechnology**, (ICAMEN 2021), March, 18-19, 2021, Jaipur, India.

22. Badiganti Chandra Mouli, Tenson Tino Joeb, Manoj S. Choudhari, Manikanta Paswan, **Vinod Kumar Sharma**, “Recent advancements in metal hydride based thermochemical energy storage system - A short review”, Proceedings in **2nd International Conference on Sustainable Energy Solutions for a Better Tomorrow** (SESBT 2021); July 23-24, 2021, Vellore Institute of Technology (VIT) Chennai, China.