13th International High Energy Materials Conference & Exhibits (HEMCE-22) May 26-28, 2022

(Sixth List)

The following papers based on abstract have been accepted by organizing committee for 13th International High Energy Materials Conference & Exhibits (HEMCE-22) May 26-28, 2022.

Sr No	Registration No	Author Name	Paper Title
1.	00004724a	Inderpal Singh Sandhu	Dynamic deflection measurement of plates under blast pressure loading
2.	00004724b	Inderpal Singh Sandhu	Effect of length and pressure of shock tube driver section on blast wave parameters
3.	00004737	Abhishek Kundu	Numerical study on the interaction of blast wave with strong density bubbles for blast wave attenuation
4.	00004739	Veerabhadragouda B Patil	Thermal studies on performance of datb and tatb coagglomerated crystals
5.	00004745	Anupam Pareek	Modelling of Heat Transfer in Large Size Oven with Full Scale Solid Rocket Motors
6.	00004753	Nihal Pandey	Effect of blast load by placing an object at the exit of a shock tube: A numerical study
7.	00004759	Sachin Kumar Singh	Numerical simulation of shock wave diffraction over curved walls
8.	00004762	Mathew Babu	Blast wave characterization during launch vehicle explosion for abort trigger recommendations in manned missions.
9.	00004783	Raman Babu	Numerical Simulation Techniques for Pyroshock Phenomena
10.	00004784	Jyothsna Yerra	Challenges in Development of Dual Pulse Solid Propulsion System for Extended Ranges
11.	00004795	B Ramprasad	Regression rate study of mixed paraffin and beeswax based solid fuels for hybrid rocket applications
12.	00004796	Praveen Kumar	Effect of y-shaped ducts geometrical parameters on shock wave attenuation
13.	00004812	Chaitanya Mahadeo Patil	Conceptual design and finite element analysis of composite valve
14.	00004814	Reny Mammen Roy	Studies on Pressable Plastic Bonded Explosives Compositions
15.	00004816	Ashish A S	Numerical study of impact of grain profile on the internal ballistics of solid rocket motor
16.	00004827	SBM Guruvayurappan	Comparative study on acoustic emission and ultrasonic methods for solid propellant burn rate evaluation
17.	00004839	Lakshmi P	Experimental Studies on Solid Propellant Based Micro Thrusters
18.	00004840	Susanta Kumar Saha	Experimental Studies of Continuously Rotating Detonation Combustor for Liquid Rocket Application
19.	00004843	Prabhat Dattakumar Phondekar	Studies on AN/AP based Green Solid Propellant for Space Propulsion
20.	00004847	Aksh Kumar Tarai	Quantitative estimation of ammonium nitrate in mixtures using portable raman spectroscopy

21.	00004851	Saurabh Kumar Sonkar	Modelling of Heat Transfer in Composite Solid Propellants with Embedded Metal Wire
22.	00004861	Remakanthan Sasidharan Pillai	Non destructive evaluation of Crew escape system motors and pyrodevices for the Human spaceflight programme using radiography
23.	00004862	Girish N Namboodiri	Quality and safety improvements in neutron radiography of explosive transfer assembly (eta) of various types
24.	00004878	Bijoy K. P	Spectroscopy and Ring Resonator-based Sarin Detection
25.	00004884	Punit Kumar Pandey	Suitability of skin material models in penetrating ballistic impact
26.	00004908	Samuel Anurag Nalam	Filament Induced deflagration of aerosols/vapours of flammable liquids and High Energy Molecules
27.	00004916	Pankaj Prakash Kadam	An experimental investigation to optimize Inhibition Resin processing parameters using automated weighing cum mixing system
28.	00004921	Niyas Usman Abdul Gafoor	Health risk assessment in propellant bowl cleaning process
29.	00004934	Rajwant Rai	Optical Technique for Dynamic Displacement Measurement of Plates Under Blast Loading
30.	00004936	Manisha Sharma	Study of effect of carbon nanotubes on the activation energy of Al/ MoO3 nanothermite
31.	00004939	Priya Thakur	Study of energy release in Al/MoO3 nanothermite with MWCNT as an additional fuel
32.	00004953	Karan Roy	Study of the structure of nanothermites reinforced with CNT
33.	00004957	Divyanshu S Morghode	Impact analysis of high velocity projectile on armour materials
34.	00004970	Prabhat Kumar	Dissimilar joining of magnesium and aluminium alloys by explosivewelding
35.	00005214	Alpana Bhagatji	In-situ detonation velocity measurement of smaller high explosive samples using Chirped Fiber Bragg Gratings
36.	00005222	Ajay Kumar Chinnam	Novel Energetic materials with High Performance and Tunable Sensitivity
37.	00004788a	Sai Shiva Sakaraboina	Three dimensional hydrodynamic simulation study of laser induced material and shock wave blow-off from thin aluminum and copper films
38.	00004833a	Pawan Kumar Verma	Study of Effect of Humidity on Mechanical Properties of HTPB based Composite Propellant
39.	00004833b	M Pandu Ranga Sarma	Study on Ignition Transient of Solid Rocket Motors Some Thoughts and Results / Observations from Pyrotechnic Igniter Studies
40.	00004863b	Parate, B	Design Analysis of Cartridge Case for Exploded Ordnance Disruptor Applications
41.	*	Gangadhar PV*	A study on Bonded Explosive Mechanical Property variation with RDX particle size
42.	00005747	P S K Koushik	Study of variation of burn rate in Ballistic Evaluation Motor due to offset and tilting of mandrel

43.	00005238	D. Gokul	DTA-TG and propellant ballistic studies with two different sources of Aluminium Powder: Modelling of aluminium particle
1	HEMRL	Vaibhav S Sadavarte	Exploratory Study on Use of Masked Isocyanates as Curing Agents in Composite Propellants
2	HEMRL	MSSNM Santosh	Management of Dewetting Strain in AEP: Use of NPBA

* Please register and provide registration number.

- **Prepare and submit full paper as per instructions given on website www.hemsichd.org.**
- **The seventh list of accepted papers based on abstract will be displayed soon.**