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

(Seventh and Final list)

The following papers based on your extended 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	Title	First Author
1.	5199	Effect of selected reaction catalysts on the particulate filled HTPBIPDI polyurethane System with and without network modifier	CH Devi Varaprasad
2.	5739	DEVELOPMENT OF PYROPHORIC POROUS NANOSIZED IRON/CERAMIC COMPOSITE TAPE FOR THE FABRICATION OF SMART FLARE AS IR COUNTERMEASURE	Sudeshna Ray
3.	6013	Study of TNT Grain Growth at Varying Solidification Rate	Deepak Kumar
4.	5752	A Study on Doping of High Energy Boron Powder into Liquid Fuel JP-10	Ashish Kumar Singh
5.	5757	Preparation and Characterization of Kraton Polymer Based Energetic Composite	Shiv Kumar
6.	5754a	Process development for re-cycle of HMX in Plastic Bonded Explosives	Surinder Kumar
7.	5754b	Formulation and evaluation of high energy plastic bonded explosives with various binders	Surinder Kumar
8.	5754c	Theoretical and experimental studies of aluminized explosive compositions based on HMX and binder	Surinder Kumar
9.	5755a	New finding for calculation of TNT equivalence specific to blast parameters	Satveer Kumar
10.	5755b	STUDY OF SOLIDIFICATION PROFILE OF COMPOSITION B IN CYLINDRICAL MOLD	Satveer Kumar
11.	5758	Enhancing Quality in Solid Propellant Processing by Process Automation System	C Pugalendhi
12.	6006a	Burn rate Prediction for HTPB-AP Based Composite Solid Propellant by Artificial Neural Networks (ANN)	Suryanarayana Vegi
13.	6006b	Experimental Evaluation of Vertical Planetary Mixer Performance and Optimization of Mix time	Suryanarayana Vegi
14.	5760	Indigenisation of Toluene Diisocyanate (TDI), a curing agent in HTPB/AP/Al Solid Propellant formulations	P. Lalitha Devi
15.	5756	SENSOR ASSISTED DETECTION OF THE EXPLOSION DURING IMPACT SENSITIVITY MEASUREMENT	Rajesh M. Pindoriya
16.	5727	Solution of Tracking Problem in Silicone Rubber based Composites with Nano sized Fillers	Harish K. Chakerwarti
17.	5759	DRIVE POWER ESTIMATION FOR HIGHER CAPACITY VERTICAL PLANETARY PROPELLANT MIXERS	Ashish Pattnaik
18.	SFCJ	Establishment of High-Pressure Curing Process parameter for flight Article	Rama M Krishna
19.	SFCJ	Study effect of strain rates on mechanical and interface properties in Solid Rocket Motor Processing	Deokumar verma

20.	TBRL	SYNTHESIS AND CHARACTERIZATION OF ACETIC ACIDFRAGMENTED METAL ORGANIC FRAMEWORKS FOR REMOVAL OF ACETIC ACID FROM HMX EFFLUENTS	Tirupati Chander Sharma
21.	TBRL	Longer duration testing of Pulse detonation engine ground demonstrator with wire jacket heat exchanger	Ram Kumar Sharma
22.	TBRL	Study of optical characteristics of High Explosives	Dr. Lakshmi Mukhopadya
23.	TBRL	Effect of Atomization process parameters on Particle Size and morphology of HMX	Mahesh Kumar
24.	TBRL	Stability study of Co-crystal Formulation of CL-20 and HMX	Deepika Jindal
25.	TBRL	Code for determination of JWL Equation of state parameters for detonation products of CHNO based halogenated explosive	Jaspreet Kaur Narang
26.	TBRL	The comparative study of GFRP and aluminium tubes under high velocity impact using Ansys Autodyn	Kachare Uttreshwar Devidas
27.	TBRL	Effect of strain rate on mechanical behaviour of OFE copper and molybdenum	Dr. Amik Kumar
28.	TBRL	Preparation and characterization of polyester based energetic composite	Rajesh Kumar
29.	TBRL	Characterization of Miniature Hot Wire Detonator Fuze Applications	Yogeshwar Nath
30.	TBRL	Hazard assessment of explosive manufacturing facility using hazard operability (HAZOP) study	S. Thaalpathi Raj
31.	TBRL	Assessment of the terminal Ballistic Parameters and Safety Distance of Fragmenting Munitions	HN Behera
32.	TBRL	Effect of asymmetries of shape charge jet quality and its penetration performance	Yugal Kishore
33.	TBRL	Performance Measurement of Explosively Driven Magnetic Flux Compression Generator Via Reliable Triggering and Delaying System	Phool Chand Gautam
34.	TBRL	An Experimental Study of Response of Explosive Charge Formulations against Fragment impact as per STANAG	Pankaj Saini
35.	TBRL	Technique for Temporal Profiling of Explosion Fireball Temperature using Optical Fibre based Remote Spectroscopic method	Ritu Daipuriya
36.	TBRL	Initiation of High Explosives Under Dynamic Conditions	Niraj Srivastava
37.	TBRL	Feasibility study of on- Demand droplet generation techniques for 3D printing of energetic materials	Piyush
38.	TBRL	Joint characterization of explosive welded pure titanium and SS 304 combination	Vishal Bhaskar
39.	TBRL	High Strain Rate Characterization of Aluminum Alloy Using Split Hopkinson Pressure Bar Under Tensile loading	Davinder Kumar

40.	TBRL	Bullet Impact Modelling and Experimental Study on Boron Carbide-UHMWPE Target Plates	Gurdeep Singh
41.	TBRL	Chemical, Thermal, Quasi-static and Dynamic Characterization of Polyurethane based Skull simulant	Neeraj Kumar
42.	TBRL	Strain-rate dependent behaviour of interpenetrating network (IPN) of polyborodimethyl siloxane (PBDMS) and its comparisons with polyurethane foam	Jyoti

- Prepare and submit full paper as per instructions given on website.
- This is the final list for the accepted Abstracts. Author whose paper does not appear in the lists displayed till date should contact · info@hemsichd.org with details of registration ID and abstract title.