

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

(Complete List)

The following papers based on extended abstracts have been accepted by organizing committee as ORAL/POSTER presentation mode for 13th International High Energy Materials Conference & Exhibits (HEMCE-22) May 26-28, 2022.

Important Instructions:

- Prepare and submit full paper as per instructions given on website latest by 10 May 2022.
- Template for POSTER preparation will be released shortly. Authors are required to prepare their poster presentation accordingly
- The time for ORAL presentation will be maximum 15 min (including question-answer). Authors are requested to prepare their presentation accordingly.
- Any conference enquiry about abstracts authors should contact info@hemsichd.org, mentioning their Name and Registration ID (displayed in this list)
- This is the combined list for accepted Abstracts. Author whose paper does not appear in this list should contact · info@hemsichd.org with details of registration ID and abstract title.
- Authors of ORAL presentation are requested to intimate in advance (by 15/5/2022) if they are not able to present their paper or any co-Author is presenting the paper.
- There can be change in category of papers as ORAL/POSTER presentation depending on availability of session slots. Any change in category from POSTER to ORAL and vice-versa will be intimated to author in advance.

Sr no	Registration ID.	Delegate Name	Title	Category
1.	00001868	Kavita Devi	Thermal management study of condensed aerosolbasedfire extinguishing system	ORAL
2.	00004721	Sreejesh K	IDENTIFICATION & QUANTIFICATION OF RISK IN PROPELLANT PROCESSING UNIT – A DYNAMIC RISK ANALYSIS APPROACH	ORAL
3.	00004729	Jagadish Das	SOLID HYPERGOLIC H2O2-IGNITOPHORES	ORAL
4.	00004731	SRINIWAS PANDA	STUDIES ON CORK REINFORCED NITRILE RUBBER COMPOSITE AS INSULATING MATERIAL	ORAL
5.	00004732	ALOK KUMAR PATEL	VIBRATION ASSISTED VACUUM CASTING TECHNIQUE FOR THIN WEBBED SOLID MOTORS	POSTER
6.	00004733	Abhishek Kumar Yadav	Di-cationic Nitrogen-rich Triazole and Tetrazole-Based Energetic Salts: Synthesis and Detonation Performance	ORAL
7.	00004734	Anit Kumar Srivastava	INVESTIGATION OF MULTILAYER FRAGMENT VELOCITY OF A WARHEAD	ORAL
8.	00004736	Vijay Kumar	A THIN-WALLED METALLIC STRUCTURE WITH CIRCULAR CROSECTION AS AN EFFECTIVE EXPLOSIVE BLAST AND IMPACT ENERGY ABSORBER	ORAL
9.	00004737	ABHISHEK KUNDU	Numerical study on the interaction of blast wave with strong density bubbles for blast wave attenuation	POSTER
10.	00004739	Veerabhadragouda B Patil	THERMAL STUDIES ON PERFORMANCE OF DATB AND TATB COAGGLOMERATED CRYSTALS	ORAL
11.	00004740	Parasar Kumar	Unexpected Synthesis of Oxadiazole Analogues: Characterization and Energetic Properties	ORAL
12.	00004745	Anupam Pareek	Modelling of Heat Transfer in Large Size Oven with Full Scale Solid Rocket Motors	POSTER
13.	00004746	CIJU PAUL	PYROSHOCK CHARACTERISATION THROUGH SIMULATED IMPACT USING NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION	POSTER

14.	00004747	SHREYASI BANIK	ENERGETIC TETRASALTS OF 1,1,2,2-TETRANITRAMINOETHANE: BASE INDUCED RING-OPENING STRATEGY	POSTER
15.	00004748	Navaneet Kumar	Di-cationic Nitrogen-rich Ethylene-bridged Bis-nitro Triazole Based Energetic Salts	POSTER
16.	00004753	Nihal Pandey	Effect of blast load by placing an object at the exit of a shock tube: A numerical study	POSTER
17.	00004757	Aluru Vamsi	Design and Development of hypergolic igniter for Semi-cryo engine	ORAL
18.	00004759	SACHIN KUMAR SINGH	Numerical simulation of shock wave diffraction over curved walls	POSTER
19.	00004761	Sathiskumar PS	Rheological behavior of multimodal AP solid propellant and its effects in Gaganyaan CES motor processing	ORAL
20.	00004762	Mathew Babu	Blast wave characterization during launch vehicle explosion for abort trigger recommendations in manned missions.	POSTER
21.	00004767	VAGGU PRANAY	EFFECTS OF SPINNING ON RESIDUAL VELOCITY OF PROJECTILE FOR NORMAL AND OBLIQUE IMPACT	ORAL
22.	00004769	PAMPURAMARA VINDU	TWO STAGE SYNTHESIS OF CL-20 STARTING FROM CYCLOPROPYLAMINE	ORAL
23.	00004770	SHIVAM KUMAR	Subscale Simulation of Intersegment Gap Heat Transfer for Solid Rocket Boosters	POSTER
24.	00004772	EHTASIMUL HOQUE	RHEO-KINETIC STUDY OF 4-(DIMETHYLSILYL) BUTYL FERROCENE GRAFTED HTPB BASED COMPOSITE PROPELLANT	POSTER
25.	00004774	Jyothsna Yerra	Challenges in Development of Dual Pulse Solid Propulsion System for Extended Ranges	POSTER
26.	00004775	VIKRANTH THALTIRI	Challenges and Approaches Towards the Synthesis of Nitropyrrroles as High Energy Density Materials	POSTER
27.	00004776	VINAY PALIWAL	ULTRA-FINE AMMONIUM PERCHLORATE STORAGE BY ADDITIVE BLENDING	POSTER
28.	00004778	Vinod R Chandran	Numerical Analysis and Experimental Validation of Detonation Transfer Joint used in Launch Vehicles	ORAL
29.	00004779	Arun Prakash Gummadi	Detection of the binary explosive mixtures using laser induced breakdown spectroscopy (LIBS)	POSTER
30.	00004781	Karri Veerandra Yadav	Effect Of Ageing on The Burning Characteristics of Ammonium Perchlorate With Copper Chromite as Additive	POSTER
31.	00004783	Raman Babu	Numerical Simulation Techniques for Pyroshock Phenomena	ORAL
32.	00004786	Ramling S. Mathpati	Methylenedi(4H-1,2,4-triazole-3,4-diamine): Prospective Nitrogen-rich Cation in Energetic Salts	POSTER
33.	00004789	MANIKANTA ELLE	TNT EQUIVALENCE OF LASER GENERATED MICRO BLAST/PLASMA IN AMBIENT AIR	POSTER
34.	00004793	Akash Mahadev Dhas	HTPB Based Energetic Polyurethane with Excellent Self-Healing Property	ORAL
35.	00004795	B Ramprasad	REGRESSION RATE STUDY OF MIXED PARAFFIN AND BEESWAX BASED SOLID FUELS FOR HYBRID ROCKET APPLICATIONS	POSTER
36.	00004796	Praveen Kumar	EFFECT OF Y-SHAPED DUCTS GEOMETRICAL PARAMETERS ON SHOCK WAVE ATTENUATION	POSTER
37.	00004800	Balwinder Kumar	Design of Linear Measurement System for Special Wire-Winding Process of Explosive Driven Systems	ORAL
38.	00004804	Suraj Singh	Self-healing of HTPB based Polyurethane Binder by Extrinsic self-healing Method	POSTER
39.	00004806	Ayaz Ahmed	AUSM+-up based Numerical Solver for Piston and Projectile Dynamics for Two-Stage Light Gas Gun	POSTER
40.	00004807	Tirthadeb Ghosh	Study of Transient Burning Characteristics of Base Bleed Propellant during Rapid Depressurization	ORAL
41.	00004808	R Radhika	SYNTHESIS OF BIOMASS DERIVED ACTIVATED CARBON FROM LEMON RIND FOR PERCHLORATE REMOVAL FROM WATER	POSTER

42.	00004810	Reshma Beeram	Trace Explosives Detection Using Sand Dune Like Copper Nanostructure Substrate Fabricated by Femtosecond Laser Ablation	ORAL
43.	00004811	P SIVA KUMAR	Theoretical & Experimental Optimization of Insulation Machining for Large Size Case Bonded Solid Rocket Motors	ORAL
44.	00004812	Chaitanya Mahadeo Patil	CONCEPTUAL DESIGN AND FINITE ELEMENT ANALYSIS OF COMPOSITE VALVE	POSTER
45.	00004813	Sumit Sarma	COMBUSTION CHARACTERISTICS OF BKNO ₃ PELLETS	POSTER
46.	00004814	Reny Mammen Roy	Studies on Pressable Plastic Bonded Explosives Compositions	POSTER
47.	00004815	Padmanabha Prasanna Simha	LUMPED MODEL GAS DYNAMIC DESIGN AND ANALYSIS OF HYPERVELOCITY IMPACT FACILITIES	ORAL
48.	00004816	ASHISH A S	NUMERICAL STUDY OF IMPACT OF GRAIN PROFILE ON THE INTERNAL BALLISTICS OF SOLID ROCKET MOTOR	POSTER
49.	00004818	Nazar A Baker	EXPLORING SHELF LIFE ENHANCEMENT OF ULTRA FINE GRADE PROPELLANT OXIDIZER	POSTER
50.	00004821	Suresh Kumar V	PERFORMANCE OF SUBMERGED STRUCTURE SUBJECTED TO UNDERWATER EXPLOSION INCORPORATING FLUID-STRUCTURE INTERACTION	POSTER
51.	00004822	MANI RAM P	BALLISTIC AND BLAST PROTECTION OF STRUCTURES USING ARMOUR MATERIALS	ORAL
52.	00004823	Nandan Kumar Vidyarthi	USAGE OF ULTRASONIC TECHNIQUE FOR BURNING RATE EVALUATION OF UPPER STAGE SOLID ROCKET MOTOR PROPELLANTS	ORAL
53.	00004824	Mahesh Anil Naik	A NUMERICAL INVESTIGATION ON THE AIR-BLAST RESPONSE OF ADDITIVELY MANUFACTURED CARBON FIBRE REINFORCED POLYMER COMPOSITE PLATE	POSTER
54.	00004825	Umang Jain	Flow Behaviour of an Annular Aerospike Nozzle at Different Convergent Angle	ORAL
55.	00004826	ALOK KUMAR	Studies of Performance Parameter of the Hybrid Rocket Using Hydrogen Peroxide-Oxygen as the Oxidizer	POSTER
56.	00004827	SBM Guruvayurappan	COMPARATIVE STUDY ON ACOUSTIC EMISSION AND ULTRASONIC METHODS FOR SOLID PROPELLANT BURN RATE EVALUATION	POSTER
57.	00004828	Tathagat Sarangi	Studies of the flame characteristics by varying the L* of a Hybrid Rocket Motor	POSTER
58.	00004829	VIWEK MAHTO	NON-INVASIVE METHODOLOGY OF SINK RATE PROFILING FOR UNDERWATER APPLICATIONS USING HIGH SPEED IMAGING TECHNIQUE	POSTER
59.	00004830	Kanthavarapu G K Kishore	DEVELOPMENT OF CYLINDRICAL HTPB PROPELLANT BASED SPIN ROCKETS FOR SOUNDING ROCKET APPLICATION	POSTER
60.	00004832	Ilya A Zhukov	The use of intermetallic Al ₁₂ Mg ₁₇ powder to obtain AlMgB ₁₄	ORAL
61.	00004834	AMIT KUMAR	EFFECT OF STRAIN RATE LOADING ON DUCTILE AND BRITTLE MATERIALS	POSTER
62.	00004836	Deepali Pradeep Joshi	Studies on Catalytic Bed Ignition of H ₂ O ₂ Monopropellant using Biomass based Catalyst	ORAL
63.	00004838	Arpit Dubey	Experimental investigations of a pintle injector for its flow and combustion characteristics	POSTER
64.	00004839	Lakshmi P	Experimental Studies on Solid Propellant Based Micro Thrusters	POSTER
65.	00004840	SUSANTA KUMAR SAHA	Experimental Studies of Continuously Rotating Detonation Combustor for Liquid Rocket Application	POSTER
66.	00004842	Suhas Mukherjee	Study on the Effect of Ambient Temperatures on Ballistic Performance of Composite Solid Propellants	POSTER
67.	00004843	Prabhat Dattakumar Phondekar	Studies on AN/AP based Green Solid Propellant for Space Propulsion	POSTER
68.	00004845	Prabhu Prasad Sarangi	Flame Characterization of Methane-Air Supersonic Combustion	ORAL
69.	00004847	AKSH KUMAR TARAI	QUANTITATIVE ESTIMATION OF AMMONIUM NITRATE IN MIXTURES USING PORTABLE RAMAN SPECTROSCOPY	POSTER

70.	00004851	Saurabh Kumar Sonkar	Modelling of Heat Transfer in Composite Solid Propellants with Embedded Metal Wire	POSTER
71.	00004859	BISHWAJYOTI DUTTA MAJUMDAR	Numerical Modeling and Experimental Validation of Sub-Scale Spherical Air Blast towards Design of Crew Escape System in Human Space Mission	POSTER
72.	00004861	Remakanthan Sasidharan Pillai	Non destructive evaluation of Crew escape system motors and pyrodevices for the Human spaceflight programme using radiography	POSTER
73.	00004862	GIRISH N NAMBOODIRI	QUALITY AND SAFETY IMPROVEMENTS IN NEUTRON RADIOGRAPHY OF EXPLOSIVE TRANSFER ASSEMBLY (ETA) OF VARIOUS TYPES	ORAL
74.	00004864	Anusree T. C	Development of metal dopedspinel CuCr2O4 catalyst for ammonium dinitramide (ADN)monopropellants	ORAL
75.	00004866	Mukesh Kumar	Numerical Simulation of Shaped charge warheads and study the effect of cone angle, thickness and wave shaper on performance	ORAL
76.	00004871	Dipanjan Banerjee	Real-time Multiple Explosives Sensing with Picosecond Bessel Beam Fabricated Silver Nano structures	ORAL
77.	00004878	Bijoy K. P	Spectroscopy and Ring Resonator-based Sarin Detection	POSTER
78.	00004880	Ajithkumar H	STUDIES ON PROPELLANT LINER FOR SOLID ROCKET MOTORS	POSTER
79.	00004883	Elaprolu Narsimha Rao	ORIENTATION DEPENDENCE OF MECHANICAL SENSITIVITY OF β -5-NITRO-2,4-DIHYDRO-3H-1,2,4-TRIAZOL-3-ONE (NTO): A HIGHPRESSURE STUDY	POSTER
80.	00004884	Punit Kumar Pandey	SUITABILITY OF SKIN MATERIAL MODELS IN PENETRATING BALLISTICIMPACT	POSTER
81.	00004885	Banerjee, A	EFFECT OF BARREL WEAR ON MUZZLE VELOCITY OF PROJECTILES FIRED FROM A RIFLED BORE TANK	ORAL
82.	00004886	Rakesh Kumar	LOPA AND FUZZY LOGIC BASED RISK ASSESSMENT MODEL TO IDENTIFY SIL REQUIREMENT IN A EXPLOSIVE MANUFACTURING FACILITY	POSTER
83.	00004889	Abhilash Singh	Effectiveness of the helmet in mitigation brain strain during impact loading	ORAL
84.	00004890	PRASHANT KUMAR,	NUMERICAL MODELLING OF IM (Insensitive Munition) COMPLIANCE CRITERIA FOR LARGE CALIBRE WARHEAD	POSTER
85.	00004892	Manpreet Kaur	UROTROPINIUM BASED EERGETIC IONIC LIQUIDS	POSTER
86.	00004893	Jaswanth Gangolu	A NOVEL NUMERICAL METHOD FOR REINFORCED CONCRETE MEMBERS SUBJECTED TO BLAST LOADING	POSTER
87.	00004894	Priyanka Singla	Synthesis, Crystal Structure and Energetic Performance of Copper based Tetranuclear Energetic Complex	POSTER
88.	00004896	SREEJITH M	CORE-SHELL PARTICLES OF PHASE STABILIZED AMMONIUM NITRATE (PSAN): SYNTHESIS, CHARACTERIZATION AND PROPELLANT EVALUATION	ORAL
89.	00004897	Deepak Govindaraj	PRESSURE TIME CURVE PERDICTION OF SOLID ROCKET MOTOR USING IMAGE PROCESSING	POSTER
90.	00004898	Nitika Mittal	Modelling of roll torque generation in artillery rockets due to internal ballistics	ORAL
91.	00004900	SRINIVAS BILLAKANTI	SYNTHESIS OF ORGANIC CAPPED STABLE NANO ALUMINIUM	POSTER
92.	00004902	Meet Nitin Savla	Numerical modelling and experimental validation of dual cartridge performance prediction in a vented vessel setup	POSTER
93.	00004903	Pankaj Negi	Development of Curing Cycle for Large Sized Solid Rocket Motors Using Finite Element Analysis	POSTER
94.	00004904	Nirmal C	A NOVEL APPROACH FOR REPAIR OF ELASTOMERIC THERMAL INSULATION MATERIAL USING ROOM TEMPERATURE CURING RUBBER COMPOUND	ORAL
95.	00004906	SARAT CHANDRA BABU JAKKA	Numerical investigations through MD simulations for predicting the crack nucleation fracture locus in particles under impact	POSTER

96.	00004908	Samuel Anurag Nalam	Filament Induced deflagration of aerosols/vapours of flammable liquids and High Energy Molecules	POSTER
97.	00004913	SRINIVAS VANGARA	ENERGETIC FUNCTIONALIZED ARYL-PYRAZOLE/IMIDAZOLE DERIVATIVES: SYNTHESIS, CHARACTERIZATION, AND ENERGETIC STUDIES	POSTER
98.	00004915	GAJULA MURALI KRISHNA	Electrochemical investigation of Hexaalkylhexaazaisowurzitane compounds	POSTER
99.	00004916	PANKAJ PRAKASH KADAM	An experimental investigation to optimize Inhibition Resin processing parameters using automated weighing cum mixing system	POSTER
100.	00004917	Sagar Prakash	HAZARD IDENTIFICATION AND RISK ASSESSMENT OF BLADELESS PROPELLANT MIXER	POSTER
101.	00004918	Bijeesh CA	Studies on the thermomechanical and rheological characteristics of asbestos free inhibition system for solid rocket motors	POSTER
102.	00004919	Vinay Siram	Determining real time Nozzle throat and Thrust coefficient evolution during burn time of an SRM	ORAL
103.	00004920	Mahesh Shrikishan Ingole	Study of Variation of Burn Rates of Ammonium Perchlorate Monopropellant with the Production Source	POSTER
104.	00004921	Niyas Usman Abdul Gafoor	HEALTH RISK ASSESSMENT IN PROPELLANT BOWL CLEANING PROCESS	POSTER
105.	00004922	Meenakshi Rohiila	Effect of size of Hematite on performance of aerosol forming composites for fire extinguishing application	ORAL
106.	00004923	Mujeeb Shaik	SELECTION OF APPROPRIATE PARTICLE SIZE ANALYSIS TECHNIQUE FOR AMMONIUM PERCHLORATE FOR SOLID PROPELLANT PROCESSING	POSTER
107.	00004924	Vendamani V S	Plasmonic Nanoparticles Decorated Nanocrystalline Silicon for SERS-based Explosives Detection	ORAL
108.	00004926	SM Kolhe	Comparative Analysis of Bi-axial Oriented Polymers for Manufacture of High Energy Density Capacitors for Pulsed Power Technology	POSTER
109.	00004929	Prathap Kumar Jharapla	DBX-1 (C2Cu2N10O4) : Potential Replacement for Lead Azide	POSTER
110.	00004930	Nimisha Srivastava	EFFECT OF ALTERED COMBUSTION CHAMBER PRESSURE ON BALLISTICS AND HEAT TRANSFER IN SPINNING SOLID ROCKET MOTORS	POSTER
111.	00004931	DILU DEVARAJAN	Computational Study on hydroxylammonium based Salts as energetic materials	POSTER
112.	00004933	prem chand	Experimental study of factors affecting linear burn rate of condensed aerosol forming composite used for fire extinguishing applications	ORAL
113.	00004934	Rajwant Rai	Optical Technique for Dynamic Displacement Measurement of Plates Under Blast Loading	POSTER
114.	00004935	VIKAS SHEOKAND	Determination of Equation of State Parameters of Mouldable PBX Using Cylinder Expansion Test with Photonic Doppler Velocimeter	ORAL
115.	00004936	Manisha Sharma	Study of effect of carbon nanotubes on the activation energy of Al/MoO ₃ nanothermite	POSTER
116.	00004938	Sudha Malik	COMPATIBILITY AND THERMAL DECOMPOSITION KINETICS OF 4-AMINO-1, 2, 4-TRIAZOLIUM PICRATE WITH POLYESTER BASED POLYURETHANE	POSTER
117.	00004939	Priya Thakur	Study of energy release in Al/MoO ₃ nanothermite with MWCNT as an additional fuel	ORAL
118.	00004941	Sankalp Sharma	Dynamic Response of Submerged Structures due to Underwater Explosion	POSTER
119.	00004942	Meeta Baghel	Instrumentation data of blast parameters generated for HD 1.2 ammunition placed inside LRC Igloo	POSTER
120.	00004943	kamal saroha	Development of Thermal Transient Test (T-T-T) for Non-Destructive Screening of Electro Explosive Devices	POSTER
121.	00004945	K Athiraj	Assessment of explosion effects of UN HD 1.1 ammunition stored in ISO container protected with modular traverses	POSTER

122.	00004946	ASHOK KUMAR	Attenuation of Blast Wave to avoid Sympathetic Detonation of Adjacent Ammunition	POSTER
123.	00004948	Kumar Kaushik	Small-scale setup for performance evaluation of fire-fighting foam and development of SPGG coupled foam based fire extinguishers	POSTER
124.	00004949	RAMU GUDA	Synthesis, characterization and energetic applications of polyphosphazenes modified with trifluoroalkoxy, 2-nitroalkoxy, 4-pirydylmethylealkoxy and imidazolyl substituents	POSTER
125.	00004950	Md Moinuddin Hassan	Metallic Actuator Membranes for Pyrogas Confinement in Pyrovalves	POSTER
126.	00004951	SATISH ASHOK TURE	Fluorescence Sensing of High Energy Materials by Using Doped Polyaniline: A Mechanistic Approach	POSTER
127.	00004953	Karan Roy	Study of the structure of nanothermites reinforced with CNT	POSTER
128.	00004954	Jagannath Rathod	Flexible-based SERS substrates for the detection of RDX and Thiram	POSTER
129.	00004955	Mayuresh Kailas Shete	Energy Transfer Margins of Safe Arm devices for Human Rated Launch Vehicles – Numerical Assessment & Experimental Validation	POSTER
130.	00004956	Mohammad Munis	DESIGN OF SHAPED CHARGE BASED SEPARATION SYSTEM FOR SOUNDING ROCKETS	POSTER
131.	00004957	Divyanshu S Morghode	IMPACT ANALYSIS OF HIGH VELOCITY PROJECTILE ON ARMOUR MATERIALS	POSTER
132.	00004958	Gayathri S	SELF-HEALING INSENSITIVE POLYMER BONDED EXPLOSIVES (PBX) ENABLED BY SIGMATROPIC REARRANGEMENT: ASPECTS OF STABILITY AND SAFETY	ORAL
133.	00004959	KULDEEP KUMAR TOMAR	Removal of Solid Propellant & Insulation to recover the hardware of solid rocket motor by hydro jet cutting technique	ORAL
134.	00004960	Ravindra Singh Rana	Quinol Ether as a Vulcanizing agent for EPDM Rubber for Solid Rocket Motor Case Insulation	POSTER
135.	00004961	Shanmugapriya V	A NOVEL SYNTHETIC APPROACH FOR THE SYNTHESIS OF 1-METHYL-2,3,4,5-TERANITROPYRROLE – A POTENTIAL HIGH ENERGY MELT CAST MATERIAL	ORAL
136.	00004962	Lakshman Y	STUDIES ON PROCESS OPTIMIZATION FOR UNSYMMETRICAL DI-METHYL HYDRAZINE (UDMH) - THE FUEL FOR EARTH STORABLE LIQUID MOTORS IN ROCKETRY	ORAL
137.	00004964	Rahul Rahul	The effect of heating rate on the thermite reaction of Al/CNT/Fe ₂ O ₃ nanothermites	POSTER
138.	00004965	Ovas Rasool	ASSESSMENT OF THE EFFECT OF DETONATION OF 5 MT (NEC) OF HD 1.2 AMMUNITION INSIDE THE LRC BOX TYPE IGLOO STRUCTURE AND DETERMINE THE CORRESPONDING QUANTITY DISTANCES (QDS)	ORAL
139.	00004966	Akhil Srivas KM	DESIGN APPROACH OF A SKIRT MOUNTED DESTRUCT SYSTEM	POSTER
140.	00004970	Prabhat Kumar	Dissimilar joining of magnesium and aluminium alloys by explosive welding	POSTER
141.	00004973	YOGESH KUMAR SINGH	Isoconversional Approach for the non-isothermal decomposition kinetics of 2,2',4,4',6,6'-Hexanitrostilbene-II (HNS-II)	POSTER
142.	00005183	Yugal Kishore	Effect of asymmetries of shape charge jet quality and its penetration performance	ORAL
143.	00005184	Dinesh Kumar	MOBILE PHONE-BASED EXPLOSIVE DETECTION SYSTEM	POSTER
144.	00005185	Jatinder Kaur	Evaluation of weld joint formed by explosive welding of SS and Al plates	POSTER
145.	00005188	SurendraSinghBarala	Light weight Composites for High Energy Radiation Shielding	POSTER
146.	00005192	Abhiroop Goswami	FRAGMENT IMPACT FROM CASED EXPLOSIVE CHARGES: WHY SHOULD IT BE REALISTICALLY CONSIDERED?	ORAL
147.	00005195	Priyavrat Sharma	SIMULATION FOR PREDICTION OF OVER PRESSURES AND STRUCTURAL RESPONSE BY 1 Kg TNT SAND BURIED EXPLOSION AT DIFFERENT DEPTH OF BURIAL	POSTER
148.	00005196	RAVINDRA KUMAR SHARMA	Role of High Voltage Pulsed Power Technology in kA Current-dumps	POSTER

149.	00005199	CH Devi Vara prasad	Effect of selected reaction catalysts on the particulate filled HTPBIPDI polyurethane System with and without network modifier	ORAL
150.	00005200	Pawan Kumar	Free surface velocity measurement of explosively driven flyer plate and particle velocity measurement of explosive/metallized-window interface using Photon Doppler Velocimetry (PDV) with dual-fiber probe	ORAL
151.	00005214	Alpana Bhagatji	In-situ detonation velocity measurement of smaller high explosive samples using Chirped Fiber Bragg Gratings	ORAL
152.	00005238	D. Gokul	DTA-TG and propellant ballistic studies with two different sources of Aluminium Powder: Modelling of aluminium particle	POSTER
153.	00005727	Harish K. Chakerwari	Solution of Tracking Problem in Silicone Rubber based Composites with Nano sized Fillers	POSTER
154.	00005739	Sudeshna Ray	DEVELOPMENT OF PYROPHORIC POROUS NANOSIZED IRON/CERAMIC COMPOSITE TAPE FOR THE FABRICATION OF SMART FLARE AS IR COUNTERMEASURE	ORAL
155.	00005747	P S K Koushik	Study of variation of burn rate in Ballistic Evaluation Motor due to offset and tilting of mandrel	POSTER
156.	00005752	Ashish Kumar Singh	A Study on Doping of High Energy Boron Powder into Liquid FuelJP-10	POSTER
157.	00005753	Gangadhar PV	A study on Bonded Explosive Mechanical Property variation with RDX particle size	POSTER
158.	00005756	Rajesh M. Pindoriya	SENSOR ASSISTED DETECTION OF THE EXPLOSION DURING IMPACT SENSITIVITY MEASUREMENT	POSTER
159.	00005757	Shiv Kumar	Preparation and Characterization of Kraton Polymer Based Energetic Composite	POSTER
160.	00005758	C Pugalendhi	Enhancing Quality in Solid Propellant Processing by Process Automation System	POSTER
161.	00005759	Ashish Pattnaik	DRIVE POWER ESTIMATION FOR HIGHER CAPACITY VERTICAL PLANETARY PROPELLANT MIXERS	Poster
162.	00005760	P. Lalitha Devi	Indigenisation of Toluene Diisocyanate (TDI), a curing agent in HTPB/AP/Al Solid Propellant formulations	ORAL
163.	00006013	Deepak Kumar	Study of TNT grain Growth at different Solidification rate	POSTER
164.	00006016	Niraj Srivastava	Initiation of High Explosives Under Dynamic Conditions	POSTER
165.	00006020	Vishal Bhaskar	Joint characterization of explosive welded pure titanium and SS 304 combination	POSTER
166.	00006021	Mahesh Kumar	Effect of Atomization process parameters on Particle Size and morphology of HMX	POSTER
167.	00006022	Gurdeep Singh	Bullet Impact Modelling and Experimental Study on Boron Carbide-UHMWPE Target Plates	ORAL
168.	00006028	S. Thaalpathi Raj	Hazard assessment of explosive manufacturing facility using hazard operability (HAZOP) study	POSTER
169.	00006029	Ram Kumar Sharma	Longer duration testing of Pulse detonation engine ground demonstrator with wire jacket heat exchanger	POSTER
170.	00006030	Kachare Uttreshwar Devidas	The Comparative Studyof GFRP Composite and Aluminium Tubes under High Velocity Impact using ANSYS Autodyn	ORAL
171.	00006033	Pankaj Saini	An Experimental Study of Response of Explosive Charge Formulations against Fragment impact as per STANAG	POSTER
172.	00006035	Deepika Jindal	Stability study of Co-crystal Formulation of CL-20 and HMX	ORAL
173.	00006036	Ritu Daipuriya	Technique for Temporal Profiling of Explosion Fireball Temperature using Optical Fibre based Remote Spectroscopic method	ORAL
174.	00006037	Meenakshi Bhatt Kala	Effect of Explosive Charge Shape and Point of Initiation on Blast Performance	POSTER
175.	00006038	Rajesh Kumar	Preparation and characterization of polyester based energetic composite	ORAL

176.	00006039	Dr. Lakshmi Mukhopadya	Study of optical characteristics of High Explosives	ORAL
177.	6041	Gunjan Grover	Analysis of Particle Size Distribution through Machine Learning and Data Science	POSTER
178.	00006044	Dr. Shaibal Banerjee	AMMONIUM PERCHLORATE RECRYSTALLIZATION AND MICROENCAPSULATION WITH HYDROXYL-TERMINATED POLYBUTADIENE BY SIMPLE COACERVATION	POSTER
179.	00006046	Phool Chand Gautam	Performance Measurement of Explosively Driven Magnetic Flux Compression Generator Via Reliable Triggering and Delaying System	POSTER
180.	00006047	Arjun G	Investigation of Relations between Ballistic and Mechanical Properties and Material Properties using Multiple Linear Regression Models	POSTER
181.	00008001	J.Singh	Probing Ammonium Dinitramide (Adn) Priling Through Optimization Of Process Parameters	POSTER
182.	00008002	P. K Adak	Feasibility Study for Preparation of Dihydroxylammonium 5,5'-bistetrazole-1,1'-diolate (TKX-50) by Safe Route- Three Step Reaction	ORAL
183.	00008003	MAS Khan	Optimization Of Process Parameters For Glyoxime Preparation: A Key Precursor Of TKX-50	POSTER
184.	00008004	PK Adak	Correlation Between Thermal Stability And Band Gaps Of TKX-50 And Its Key Precursors	POSTER
185.	00008005	S.K Singh	Effective Tuning Of Hns From Fine To Coarse By Recrystallization Method	POSTER
186.	00008006	P K Adak	Effect Of Ostwald Ripening For Modifying The Particle Size Distribution And Average Particle Size Of Reduced Sensitivity - RDX	POSTER
187.	00008007	PK Adak	Thermal Hazards Evaluation For Azidation Of T-Pech To T-Gap Using Thermalscreening Unit (TSU)	POSTER
188.	00008008	A K Meena	Ftir Spectroscopic Study On Reaction Profiling And Rate Kinetics Of Tetrafunctional Gap Process	POSTER
189.	00008009	PC Rao	Modeling of shock transmission between reactive elements of Explosive Reactive Armour (ERA) for sympathetic detonation studies	ORAL
190.	00008010	MK Singh	Studies on Sensitivity and Thermal Characteristics of Explosive Sheet Formulations based on RDX and TATB	POSTER
191.	00008011	Umesh Kumar	Studies on tailoring of ejection velocity for IR flare	POSTER
192.	00008012	Jay Patil	Ammonium Dodecahydrododecaborate (NH ₄) ₂ (B ₁₂ H ₁₂) Potential Fuel for Ramjet, Scramjet and Turbojet Engines	ORAL
193.	00008013	S H Sonawane	Investigation Of Process Impurities Of 2,4-Dinitroanisole (Dnan): An Insensitive Melt-Pour Explosive	POSTER
194.	00008014	M Anniyappan	MTX-1: A Thermally Stable Alternative To Tetrazene In Primer Applications	ORAL
195.	00008015	AP Singh	Quantitative Estimation Of Uncured Polymeric Binder In High Performance Composite Propellants	POSTER
196.	00008016	R. Vijayalakshmi	Low Critical Thickness And High Performance Flowable Explosive Inks	ORAL
197.	00008017	AP Singh	Mass Spectral Studies On Poly (Acrylonitrile-Co-Butadiene) Recovered From Propellant	POSTER
198.	00008018	Karishma Limbat	Spheroidization studies On Hmx By High Shear Rotor-Stator Method	POSTER
199.	00008019	Rashmi Wagh	Assay Of Ingredients Present In TATB Based High Explosive Compositions	ORAL
200.	00008020	R. Vijayalakshmi	Nitroisobutylglycerol Trinitrate (Nibgtn): An Energetic Plasticizer For High Energy Propellant Formulations	POSTER
201.	00008021	S H Sonawane	Synthesis & Characterization Of 2,4-Bis(Nitrile Oxide)-1,3,5-Triethylbenzene: A Low Temperature Curing Agent For High Energy Propellants	POSTER

202.	00008022	PP Singh	Development of non-toxic color smoke composition for target marking/signaling purpose	POSTER
203.	00008023	N.D. Mhaske	Design and Development of Pyro Millisecond Delay Detonator for Munitions	POSTER
204.	00008025	S Debnath	Studies on effects of surface coating of priming composition on performance parameters of an IR decoy flare	ORAL
205.	00008025	M A Siddique	Effect of Particle Size, Stoichiometry of Composition & thermal conductivity of Hardware on Pyrotechnic delay	POSTER
206.	00008026	P S Chowdhury	Developmental challenges of Curved Pyrotechnic Delay for DASD Fuze of Pinaka Rocket	ORAL
207.	00008027	Prashant Agarwal	Studies on Solvent For Linear Density Measurement of Flexible Linear Shaped Charge by Chemical Dissolution Method	POSTER
208.	00008028	Purabi Garai	Studies on Less Sensitive Polyurethane Coated TATB Formulations	ORAL
209.	00008029	MS Katore	Evaluation of Fuel Rich Explosive Formulations for High Impulse Blast and Thermal Effects	POSTER
210.	00008030	MS katore	Theoretical and experimental study for evaluation of an underwater blast explosive composition	ORAL
211.	00008031	MS Katore	Optimization of Initiation Parameters for Detonation of Propylene Oxide Aerosols	POSTER
212.	00008032	S Giju	Studies on mechanical property of polymer bonded explosive compositions	POSTER
213.	00008033	Anirudha Sane	Estimation Of Alignment Of Liner With Booster In A Shaped Charge By Processing Of Radiography Images	ORAL
214.	00008034	Sukeshni Rawal	Studies On Morphology, Thermal And Combustion Behaviour Of AlB_{12} / NH_4ClO_4 Pyrotechnic System For Igniter Application	ORAL
215.	00008035	Shyam Kishore	Development of Quantity Distance Software for Siting of Explosive Buildings in Explosive Establishments	ORAL
216.	00008036	PK Pandey	Automation of Burn Rate (BR) Computation - Development & Implementation of Algorithm	ORAL
217.	00008037	Prashant Kulkarni	Stand-off detection of explosive vapors using far-IR spectroradiometry of Pyoverdine-pyridine functionalized steel surface	POSTER
218.	00008038	KK Mishra	Measurement of free field blast pressure inside Fireball using dual probe sensor	ORAL
219.	00008039	RK Kalal	Thermo-physical Properties and Combustion Wave of HMX, Energetic binder and Zr Contain Composite Propellant	ORAL
220.	00008040	D Debnath	Feasibility Study Of Welding /Joining Ballistic Evaluation Motors (Bem) By Rotary Friction Welding	ORAL
221.	00008041	A. K. Vishwakarma	Development of a MATLAB based Graphical User Interface (GUI) for rapid evaluation of ballistic parameters required for design of impulse cartridge	ORAL
222.	00008042	Abhishek Kumar	Studies On Process Development and Optimization Of Synthesis Of Nano Barium Promoted Copper Chromite Catalyst	POSTER
223.	00008043	L S Nag	Fabrication of Nano Iron Oxides (α - Fe_2O_3) by Ball Milling for Propellant Formulation	POSTER
224.	00008044	Akhil	Preparation And Characterization Of Boron-Magnesium Composite For Propellant Applications	POSTER
225.	00008045	Kavita Ghosh	Probing HTPB based Polymer-Clay Nanocomposites (HCN) for Composite Propellant Application	ORAL
226.	00008046	Lisha Vipin	Very low burning rate propellant compositions for sustainer applications	POSTER
227.	00008047	Lisha Vipin	Studies on effect of TNSTAD in composite propellant formulations	POSTER
228.	00008048	Pallavi Jain	Studies on Preparation of Ultrafine Ammonium Perchlorate by spray drying method	POSTER
229.	00008049	Darshana Singh	Development of Biodegradation Method for Composite Propellants and Recovery of Ammonium Perchlorate	ORAL

230.	00008050	Renu Gill	Sensitivity characterization and process modification for processing of high energy propellants	POSTER
231.	00008051	Deepak Kumar	Numerical studies for curing of solid rocket propellant using CFD Analysis	POSTER
232.	00008052	Santosh MSSNM	FOX-7 based Low Signature Advanced Energetic Propellants	POSTER
233.	00008053	R. Godse	Optimization Of Mechanical Properties Of Htpb Based Binder For Case Bonded Application: Effects Of Nco/Oh, Chain Extender, Cross Linker, And Plasticizer Content	POSTER
234.	00008054	A Singh	Prediction Of Thermal Conductivity Of Binder Systems Of High Energy Propellant Using Reverse Non Equilibrium Molecular Dynamic Simulation Method	POSTER
235.	00008055	Sidharth Raveendran	Importance of Rheological studies in developing process for NBR/Nitrate Esters/Nitramines based High Energy Propellants manufacturing	POSTER
236.	00008056	Mukesh Jain	Flow analysis during pressure casting of propellant slurry in multiple rocket motor	POSTER
237.	00008057	Bihari Bipin K	Simulation of Stress relaxation behaviour of composite propellant using Generalized Maxwell model	POSTER
238.	00008058	Bipin Bihari	An approach to estimate the strain rate sensitivity of composite propellant	ORAL
239.	00008059	Nitin Kumar	Study on Capability curves to optimize the Ratio of Reactive Functional Groups of Composite Propellant	POSTER
240.	00008060	AN Patil	Optimization of Ejecta Size for Pulse Triggered Combustion Instability	ORAL
241.	00008061	Rohit	Effect of Nitramine on Physical, Mechanical, Ballistics and Sensitivity Properties of Composite Propellant	POSTER
242.	00008062	Harjeet Singh	"Study Of Variation In C* With Respect To Primary Chamber Pressure In Solid Fuel Thrust Modulated Ducted Rocket Ramjet Propulsion System"	POSTER
243.	00008063	Pankaaj Verma	Development of Polyisoprene based Composite Propellant with High Burn Rate and High Specific Impulse for Ramjet Propulsion System	ORAL
244.	00008064	Abhay Yadav	Development Of Tape Based Inhibition System For Extruded Double Base Propellant Grains	POSTER
245.	00008065	Ashwani Anuragi	Studies on design approach for Gas Generator used in Deployment of projectile	POSTER
246.	00008066	AK Mishra	Poly-formaldehyde as a burn rate suppressant in spinning rocket motor based on Extruded Double Base Propellant	POSTER
247.	00008067	Sunil Jain	Thermal Decomposition Study of Ammonium Perchlorate in the Presence of Barium Ferrite ($BaFe_{12}O_{19}$) and its evaluation in Propellant Compositions	POSTER
248.	00008068	Vaibhav Agrawal	A Comparative Study of Neutrality of Pressure-Time/Thrust -time Profiles of Different Propellant Grain Configurations for BEM Applications	ORAL
249.	00008069	Sunil Jain	Studies on Evaluation of Various Zirconates as Burning Rate Modifiers in Composite Propellant Formulations	POSTER
250.	00008070	Ganesh Dombe	A Method for Estimation of Stress-free Temperature of Solid Propellant Rocket Motor	ORAL
251.	00008071	Ganesh Dombe	Process Development of Continuous Mixing for Composite Propellant	POSTER
252.	00008072	Ganesh Dombe	Cure Kinetics Characterisation and Design of Curing Cycle for Active Binder Based Composite Propellant	POSTER
253.	00008073	1MSSNM Santosh	Management of Dewetting Strain in AEP: Use of NPBA	POSTER
254.	00008074	Vaibhav S Sadavarte	Exploratory Study on Use of Masked Isocyanates as Curing Agents in Composite Propellants	ORAL
255.	00008101	J. Senthil Kumar	EVALUATION OF INTERNAL BALLISTICS PROPERTIES OF NATURALLY AGED SOLID PROPELLANT ROCKET MOTOR	POSTER

256.	00008102	Sunil Bassi	Numerical simulation of diesel combustion passing through high power arc region in a plasma fuel system	POSTER
257.	00008103	Rama M Krishna	Establishment of High Pressure Curing Process parameter for flight Article	POSTER
258.	00008104	Deokumar Verma	Study effect of starin rates o mechanical and interface properties in Solid Rocket Motor Processing	POSTER
259.	00008111	Tirupati Chander Sharma	Synthesis and characterization of acetic acid fragmented metal organic frameworks for removal of acetic acid from HMX effluents	POSTER
260.	00008114	Jaspreet Kaur Narang	Code for determination of JWL Equation of state parameters for detonation products of CHNO based halogenated explosive	POSTER
261.	00008115	Jai Prakash Kamal	Simulation study of fragmentation and velocity distribution of cylindrical warhead with smooth casing and external grooves on explosive pellet	POSTER
262.	00008116	Dr. Amik Kumar	Effect of strain rate on mechanical behaviour of OFE copper and molybdenum	POSTER
263.	00008118	Rajneesh Gupta	Initiation of Insensitive High Explosives Using Overdriven Detonation Wave	ORAL
264.	00008119	Anil Kumar	Run-up to detonation of HMX/TATB based insensitive explosive	POSTER
265.	00008120	Yogeshwar Nath	Characterization of Miniature Hot Wire Detonator Fuze Applications	POSTER
266.	00008121	HN Behera	Assessment of the terminal Ballistic Parameters and Safety Distance of Fragmenting Munitions	POSTER
267.	00008122	Deepak Kothari	Methodology for Determination of Blast Characteristics & TNT Equivalence of Explosive Compositions	ORAL
268.	00008125	Deepak Kothari	Enhancement of Blast loading by using Explosive Driven Shock Tube	POSTER
269.	00008126	HN Behera	Assessment of fragmentation and lethality of Fragmenting Munitions in Penetrated Conditions in Desert and Snow	POSTER
270.	00008127	Sakshi Arora	Methodology for Assessing the Blast Protection Level of Mine Protective clothing	POSTER
271.	00008129	Davinder Kumar	High Strain Rate Characterization of Aluminum Alloy Using Split Hopkinson Pressure Bar Under Tensile loading	ORAL
272.	00008130	Piyush	Feasibility study of on- Demand droplet generation techniques for 3D printing of energetic materials	POSTER
273.	00008131	Neeraj Kumar	Chemical, Thermal, Quasi-static and Dynamic Characterization of Polyurethane based Skull simulant	POSTER
274.	00008132	Jyoti	Strain -rate dependent behaviour of interpenetrating network(IPN) of polyborodimethyl siloxane(PBDMS) and its comparisons with polyurethane foam	POSTER
275.	00004724a	Inderpal Singh Sandhu	Dynamic deflection measurement of plates under blast pressure loading	ORAL
276.	00004724b	Inderpal Singh Sandhu	Effect of length and pressure of shock tube driver section on blast wave parameters	POSTER
277.	00004754a	AMITABH CHAKRABORTY	STUDY FOR EROSION OF THERMAL PROTECTION SYSTEMS FOR SOLID ROCKET MOTOR APPLICATIONS	ORAL
278.	00004754b	AMITABH CHAKRABORTY	STUDY OF DIFFERENT ATTENUATION METHODS FOR REDUCTION OF PYRO SHOCK ENCOUNTERED DURING STAGE SEPARATION EVENT	ORAL
279.	00004758a	Ashwani Kumar Verma	HIGHLY-BRANCHED SILVER NANOSTRUCTURES FOR TRACE DETECTION OF EXPLOSIVES	ORAL
280.	00004758b	Govind Kumar	DEEP-UV SERS-BASED TRACE DETECTION OF EXPLOSIVES	ORAL
281.	00004765a	ARJUN S KIDAVU	Designing of a Helmholtz photoacoustic Cell for the Spectroscopy Detection of Explosives in Acetone Solution Using UV-Mid-IR and Terahertz Regime Sources and Generation of Higher Acoustic Harmonics	POSTER
282.	00004765b	ARJUN S KIDAVU	Study of Thermal Decomposition roots and detection of explosives from defense test range soil samples using a tunable Mid IR QCL laser based Photoacoustic themal analyzer	POSTER

283.	00004771a	Santhosh Gopalakrishnan	HIGH PERFORMANCE MONOPROPELLANT BASED ON AMMONIUM DINITRAMIDE (ADN) WITH IONIC LIQUIDS: SYNTHESIS, THERMAL AND CATALYTIC DECOMPOSITION	ORAL
284.	00004771b	Shashi B Singh	A NOVEL LOW DENSITY INSULATION SYSTEM FOR CASE BONDED SOLID ROCKET MOTOR	ORAL
285.	00004773a	Rushikesh Umrao Kore	Theoretical and CFD analysis of air vitiators for combustion of fuel-rich propellant gasses in ram combustor	ORAL
286.	00004773b	Rushikesh Umrao Kore	PERFORMANCE ANALYSIS OF BELL NOZZLE FOR SOLID ROCKET MOTOR USING CFD APPROACH	POSTER
287.	00004788a	Sai Shiva Sakaraboina	THREE DIMENSIONAL HYDRODYNAMIC SIMULATION STUDY OF LASER INDUCED MATERIAL AND SHOCK WAVE BLOW-OFF FROM THIN ALUMINUM AND COPPER FILMS	POSTER
288.	00004788b	Sai Shiva Sakaraboina	ENHANCEMENT OF LASER INDUCED SHOCK PARAMETERS GENERATED FROM MULTI-MATERIAL THIN FILMS	POSTER
289.	00004792a	M. D. Umbharatwala	NUMERICAL ANALYSIS OF BALLISTIC PERFORMANCE OF CERAMIC-FABRIC COMPOSITE ARMOUR AGAINST 7.62AP ROUND	ORAL
290.	00004792b	Sonje, S	NUMERICAL INVESTIGATION ON EFFECT OF GEOMETRICAL MODIFICATIONS IN HOLLOW AND FOAM-FILLED TUBES	POSTER
291.	00004792c	Jagriti Mandal	BLAST ANALYSIS OF TWIN BUNKERS IN SOIL AND ROCK SUBJECTED TO INTERNAL EXPLOSION	POSTER
292.	00004792d	Shivani Verma	A NOVEL PULSE SHAPING TECHNIQUE TO FORECAST TENSILE BEHAVIOUR OF BRITTLE MATERIAL USING SPLIT HOPKINSON PRESSURE BAR (SHPB)	POSTER
293.	00004792e	Choudhary, N. S	SCALING EFFECT ON THE PERFORMANCE OF INNOVATIVE SACRIFICIAL SYSTEM UNDER BLAST LOADING	POSTER
294.	00004792f	P. A. Shirbhate	A STUDY ON BEHAVIOUR OF HONEYCOMB SANDWICH STRUCTURE UNDER COMBINED EFFECT OF BLAST AND FRAGMENTS	ORAL
295.	00004794a	Arun Kumar Macharla	LASER IGNITION OF HIGH ENERGY MATERIALS BY USING SYNTHESIZED GOLD NANORODS AS PHOTO-ABSORBING ADDITIVE	ORAL
296.	00004794b	Rajanna Gugulothu	PREPARATION OF AMMONIUM DINITRAMIDE (ADN) PRILLS USING MELT PRILLING METHOD	POSTER
297.	00004794c	MandadiSneha Reddy	SYNTHESIS AND CHARACTERIZATION OF NANOPARTICLES OF COPPER CHROMITE	ORAL
298.	00004794d	Vanam Shiva	TG-FTIR-GCMS ANALYSIS OF CATALYTIC DECOMPOSITION OF AMMONIUM DINITRAMIDE (ADN)	POSTER
299.	00004798a	Harish Kumar Keerthi	Development of a Novel PEG based Energetic Copolymer with Fluoro and Nitrate Functionalization [Poly (TFGE-r-GLN)]	POSTER
300.	00004798b	Harish Kumar Keerthi	Development of a Novel Fluoro-NitrateEnergetic Plasticizer (ACR-ENP-2)	POSTER
301.	00004801a	Deepak Sharma	EFFECT OF SOLID PROPELLANT COMPOSITION AND SURFACE CONDITION ON IGNITION TRANSIENT OF SOLID ROCKET MOTOR	ORAL
302.	00004801b	Khadar Voli. Kalluru	CFD ANALYSIS OF NOZZLE FLOW SEPARATION PHENOMENON: A CASE STUDY	POSTER
303.	00004809a	Muddamarri Hanumantha Rao	3,5-diamino-2,4,6-trinitrobenzenaminium with closo-dodecaborate (B ₁₂ H ₁₂) ₂ - salt [BAM-H25] and their energetic properties	ORAL
304.	00004809b	Muddamarri Hanumantha Rao	Theoretical Investigation of Tetranitroacetimidic Acid (TNAAC) with their corresponding nitrogen based salts as energetic materials	POSTER
305.	00004831a	Sergei D Sokolov	The use of mechanically activated Al-Mg powder for high energetic materials	ORAL
306.	00004831b	Sergei D Sokolov	Investigation of powder materials obtained by direct fusion and subsequent mechanical activation in a planetary mill	ORAL
307.	00004833a	Pawan Kumar Verma	Study of Effect of Humidity on Mechanical Properties of HTPB based Composite Propellant	POSTER
308.	00004833b	M Pandu Ranga Sarma	Study on Ignition Transient of Solid Rocket Motors Some Thoughts and Results / Observations from Pyrotechnic Igniter Studies	POSTER

309.	00004835a	Soyamol Thomas	Green Synthesis of Copper Ferrite as Burn Rate Modifier for Thermal Decomposition of Ammonium Perchlorate	POSTER
310.	00004835b	Savitha Nair	The effect of antioxidant in the ageing characteristics of polyurethane system	POSTER
311.	00004863a	Bhupesh Ambadas Parate	Defect Investigation of Brass Cartridge Case used in Jettisoning of Canopy for Fighter Aircraft : Review	ORAL
312.	00004863b	Parate, B	Design Analysis of Cartridge Case for Exploded Ordnance Disruptor Applications	POSTER
313.	00004891a	Harikrishnan E. S	Thermokinetic and Combustion study of moderate burning Zr-Ni based gasless delay composition	ORAL
314.	00004891b	Nimesh S	Computational approach to Predict novel Tetrazine N-oxides as potential HEDMs	POSTER
315.	00004895a	Naveen kumar Periketi	Real Time Terahertz Imaging of concealed objects for security applications	ORAL
316.	00004895b	P. Naveen Kumar	Terahertz imaging based aging studies of secondary explosive molecules	POSTER
317.	00004910a	ASHUTOSH OM PRAKASH SHARMA	COMPARATIVE STUDIES ON EFFECT OF COPPER CHROMITE AND IRON OXIDE ON AGEING CHARACTERISTICS OF COMPOSITE PROPELLANT	ORAL
318.	00004910b	ASHUTOSH OM PRAKASH SHARMA	ANALYSIS OF EFFECTS OF PROCESS VARIATIONS AND BEM HARDWARE ON TAIL-OFF CHARACTERISTICS DURING BEM FIRING	POSTER
319.	00004911a	Samadhan Ramesh Khairnar	Modified Epoxy Based Inhibition Resin for Composite Propellants	POSTER
320.	00004911b	Samadhan Ramesh Khairnar	Synthesis, Characterization and Application of TDI Dimer as an Adhesion Promoter in Liner Resin for Composite Propellant	POSTER
321.	00004944a	PRABHANJAN KUMAR THAKUR	Experimental Validation of Optimum Depth of Burst for Maximization of Crater Volume in Mixed Soil	POSTER
322.	00004944b	PRABHANJAN KUMAR THAKUR	Tolerance of Human against Blast and its Effects: A Case Study	POSTER
323.	00004944c	Neelam Saxena	Establishing Quantity Distances for storage of Ammunition containing propellants in ISO containers protected by modular Traverses	ORAL
324.	00004963a	VIBHAV KUMAR	DEVELOPMENT OF A PYROGEN IGNITER FOR HYBRID MOTOR	POSTER
325.	00004963b	Priyanka Shukla	A CASE STUDY OF PARAMETERS AFFECTING PEAK PRESSURE IN THIRD STAGE IGNITER OF LAUNCH VEHICLE	POSTER
326.	00004968a	Rani Krishnan K R	STUDIES ON LOWERING OF ISOLATION RESISTANCE IN ZIRCONIUM – POTASSIUM PERCHLORATE BASED PYROS	ORAL
327.	00004968b	Rani Krishnan K R	DISPOSAL MANAGEMENT OF AGED ORDNANCE SYSTEMS	ORAL
328.	00004968c	Rani Krishnan K R	EVOLUTION OF FIRST FIRE ELEMENTS- CHALLENGES FACED AND DEVELOPMENT STRATEGY	ORAL
329.	00005754a	Surinder Kumar	Process development for re-cycle of HMX in Plastic Bonded Explosives	ORAL
330.	00005754b	Surinder Kumar	Formulation and evaluation of high energy plastic bonded explosives with various binders	POSTER
331.	00005754c	Surinder Kumar	Theoretical and experimental studies of aluminized explosive compositions based on HMX and binder	ORAL
332.	00005755a	Satveer Kumar	New finding for calculation of TNT equivalence specific to blast parameters	ORAL
333.	00005755b	Satveer Kumar	STUDY OF SOLIDIFICATION PROFILE OF COMPOSITION B IN CYLINDRICAL MOLD	POSTER
334.	00006006a	Suryanarayana Vegi	Burn rate Prediction for HTPB-AP Based Composite Solid Propellant by Artificial Neural Networks (ANN)	ORAL
335.	00006006b	Suryanarayana Vegi	Experimental Evaluation of Vertical Planetary Mixer Performance and Optimization of Mix time	POSTER