

Updated List of Papers

UNIQUE NO	S.No	Authors	OUI NAME	PAPER TITLE	A/R	Proposed Decision
510561	001	SK Sahu & RK Behera	ITR Balasore	Risk Assessment of RF Hazards in Test Range	A	P
876114	002	PS Chowdhury, NG Swarge, VD Gaikwad, ND Mhaske, H Shekhar & PR Arya	HEMRL Pune	Effect Of Binders On Burning Rate Of Slow Burning Tungsten Based Pyrotechnic Delay Composition	A	P
376950	003	S Debnath, Abhishek Raj, SA Joshi, SM Panday & Himanshu Shekhar	HEMRL Pune	Studies on effect of non-metallic fuel on Multispectral Infrared Flare composition	A	O
612822	004	S Debnath, Abhishek Raj, MN Manda, PL Waghmare & Himanshu Shekhar	HEMRL Pune	Effect of particle size of Magnesium on performance of Magnesium/Teflon/Viton (MTV) flare composition	A	P
355117	005	Himanshu Shekhar & V.D. Gaikwad	HEMRL Pune	Thermal Studies on Gun Powder with Low Combustion Residue	A	P
514629	007	Himanshu Shekhar & Shrey Shekhar	HEMRL Pune	Simulation of Free-Field Incident Blast Over-Pressure Curves at Intermediate Scale Distances	A	P
575702	008	Himanshu Shekhar & C.P. Shetty	HEMRL Pune	Studies on Burning Rate of 19-Perf Gun Propellants from Closed Vessel Evaluation	A	O
232685	010	Manasa C.L, Vikram Ramanan, Sakthivel R & Vinayak Malhotra	SRM University Chennai	Final Stratified Premixed Combustion in Gas Turbine Engines	A	P
150551	011	Vishesh Garg, Prathmesh Tare, Harish Rajan & Yash Gandhi	SRM University Chennai	Comparison of Performance Parameters for Different Bore Configurations	A	P
492872	012	S.Charulatha, Aishwarya Manoj Kurlekar & Aathira Subramanian	SRM University Chennai	Prospects of Nozzle-less Boosters for Efficient Space Propulsion	A	O
580738	014	A G Nagarkar,S V Shirwalkar, Avinash Chander, R K Sinha and and KPS Murthy	HEMRL Pune	Studies on Dispersion Pattern of Incendiary Cinders	A	P
277537	018	PP Singh, Yashika, UG Phapale, Himanshu Shekhar & PR Arya	HEMRL Pune	Studies on effect of Epoxy binder on Sensitivity on Red Phosphorus Based Smoke Compositions	A	P
621170	019	AK Sahu, YB Salkar, CB Ghodke, BA Parate, SB Borkar & YS Dhoke	ARDE Pune	Extension of Shelf life of Electrically initiated PAD for Operating Rocket Wrench Mechanism & Water Jet Disruptor System for Ammunition Disposal based on Experimental Evaluation	A	O

365275	020	AK Sahu, CB Ghodke, YB Salkar, BA Parate & SB Borkar	ARDE Pune	Experimental Evaluation of Twin Detonator Electro Explosive Device for initiating Fire Extinguisher System of Airborne Vehicle	A	O
294608	021	B A Parate , A K Sahu, Sunil Chandel & Himanshu Shekhar	ARDE Pune	Physics of Water-Jet Impingement by using Propellant Actuated Cartridge for Improvised Explosive Devices	A	O
420790	022	B A Parate , A K Sahu, Sunil Chandel & Himanshu Shekhar	ARDE Pune	Design and Testing of Electro Explosive Devices for Water -Jet Disruptor Application	A	P
686892	023	Syed Alay Hashim, Manu Lahariya, Sanket Kangle, Srinibas Karmakar & Arnab Roy	IITKh	Screening of Boron-Based Solids Fuel for the Hybrid Rocket Applications	A	O
459215	025	S.R. Gore, A.K. Mishra, S.R. Mane, R.N. Patkar & S.M. Pande	HEMRL Pune	Platonisation of Nitramine based Extruded Double Base Propellant	A	P
284864	026	S.R. Gore, J.G. Bhujbal, D.S. Jadhav & S.M. Pande	HEMRL Pune	Accelerated Temperature Ageing Studies on High Burn Rate Extruded Double Base Propellant	A	P
263424	027	PVNL Syamala Devi, Juhi Kushwaha & PVG Brahmanandam	ASL Hyd	Thermal degradation behaviour and Effect on thermal properties of charring ablators	A	P
422577	028	Ezhil Manickam, Pratik Tiwari, Shitiz Sehgal, Ajay Babusekar & Vinayak Malhotra	SRM University Chennai	Experimental investigation of confined jet flow behavior	A	O
14501	029	Pawan Kumar Ojha, Raktim Maji, V. Venkatesan & Srinibas Karmakar	IITKh	Effect of Particle Size on Droplet Regression, Break-up and Combustion Characteristics of Boron-Laden Jet fuel Droplet	A	P
284574	031	Kathyayani Nandakumar, Jayabharathy.S, Vinayak Malhotra & Vikram Ramanan.	SRM University Chennai	Energetic Composite Solid Propellants For Advanced Space Propulsion	A	O
833075	032	Talluri Vamsi Krishna, Mengu Dinesh & Rajiv Kumar	BITS Ranchi	Study on Improvement of Regression Rate and Combustion Efficiency in Hybrid Rocket Motor Using Multi-Protrusion	A	O
814750	034	P.S.Sathiskumar, Sojan P & CR Thomas	VSSC ISRO	ISROSENE-Aluminum Gel propellants - Synthesis and rheological characterization	A	O
831846	035	B.Rajenikanth & Ch.Vijayasradhia	RCI HYD	Improvement in Performance of Solid Rocket Motor by Modifying Grain Configuration	A	O
16218	036	R S Damse	HEMRL Pune	Nitrogen Rich Compounds: An Approach to Reduce Gun Barrel Erosion	A	O

880127	037	Khadar Voli. K, Deepak sharma, Prasanth. C, Kiran. P, Jeenu. R & Jayaprakash. J	VSSC ISRO	Finite element modeling of heat transfer and cure analysis in polymer composites	A	P
579593	038	Deepak sharma, Khadar Voli. K, Prasanth. C, Kiran. P, Jeenu. R & Jayaprakash. J	VSSC ISRO	Numerical modelling of seasonal climate temperature influence on the performance of solid rocket motor	A	P
236520	039	K.D. Dhote, S.R. Vadali, M.V. Suryawanshi & Satwinder Singh	ARDE Pune	High Explosive based Single Fragment Launcher at Hypervelocity	A	P
872422	040	S.S. Mhase, A.P.Singh, S.P.Ghosh & N.Sikder	HEMRL Pune	Identification of TNSTAD (trans- 1,4,5,8 –tetranitrosotetraaza decalin) as a Substitute for Picrite in Unknown Imported Triple Base Gun Propellant	A	P
273708	041	B. Moses Abraham, M. V. Jyothirmal & G. Vaitheeswaran	ACRHEM Hyd	Electronic properties and Hirshfeld surface analysis of Dihydroxylammonium 5,5'-bistetrazole-1,1'-diolate under pressure	A	P
458259	042	Rajitha Rajan, T. R. Ravindran, V. Srihari, K. K. Pandey, K. K. Mishra, V. Sivasubramanian, V. Venkatesan & Anuj A Vargeese	IGCAR Kalpakkam	TEX Under Pressure Studied by X-ray Diffraction and Raman Spectroscopy	A	O
985326	043	Pinki Gaur & Dr. Shaibal Banerjee	DIAT Pune	Theoretical predictions of novel N-nitramines for their use as High energy materials	A	P
995432	044	Aravind S & Rajiv Kumar	BITS Ranchi	3D Numerical Investigation of Hydrogen Combustion in a SCRAMJET to Enhance Combustion Efficiency	A	O
770842	046	S. K. Behera, Lokesh Srivastava, J. K. Mishra, D Laxman, Dr.R Srinivasan & A S Srinivasa Gopal	ASL Hyd	Qualification Of Ignition Initiation System For Large Solid Rocket Motor	A	O
535312	047	Venkatswamy M, Lavalekar MM, Balesh Ropia & C Gururaja Rao	CHESS	Design Optimization of Star Grain for Solid Propellant Rocket Motor	A	O
51203	049	Pradhan SK, Suresh Babu KV , Srinivas Babu N,Kanakaraju P & Syed Hamed A	SDSC ISRO	A Study on Grind ability of Revised AP Feed Fraction to Achieve Specified AP fine Particle Size Distribution and Ballistic properties of Agni Motor	A	P
700087	050	Javaid Athar, Rashmi Wagh, Nirmala Sikder & P.B. Navale	HEMRL Pune	Energetic Nano-composite as a Coating Material for Desensitization of High Energy Materials	A	P

73565	051	Kavita Ghosh, Arvind Kumar, Shaibal Banerjee & Manoj Gupta	HEMRL Pune	Development of HTPB based Polymer Clay Nanocomposite as a New Binder System for Composite Propellant	A	P
169771	052	Kavita Ghosh, Ajay Patil, Darshana Singh, Amit Kumar, S M Pande, Arvind Kumar & Manoj Gupta	HEMRL Pune	Development of High burning Rate Composite Propellant for Nozzleless Booster Application with Enhanced Strain Capability	A	O
63647	056	B.Sanyal, Gaurav Agnihotri, M.V.L. Ramesh & S.R.Chakravarthy	SFC Jagdalpur	Development of nano-Aluminium Based Composite Propellants by Tailoring Diol-Triol Content and [-NCO]:[-OH] Ratios	A	O
12922	057	Pragya & Shelly Biswas	BITS Ranchi	Investigating the Effect of Injector Type on the Regression Rate of the Hybrid Rocket	A	O
115642	058	Sanyal & S.R. Charkavarthy	SFC Jagdalpur	A Theoretical Study on Improved Energetics of nano-Aluminized Composite Propellants with GAP based AP/ADN Formulations for Rheological Feasibility	A	P
283758	059	Deepak Ranjan Nayak, Sanchita Sil, Navakanta Bhat & Siva Umapathy	IISc	Development of Surface Enhanced Raman Spectroscopic Substrates for Detection of Explosives	A	O
96817	061	Mohamed Sadhik A, Rajesh E.K, Dr Lakshmi V.M, Umasankar S & C.R. Thomas	VSSC ISRO	Surface coating over fine and ultrafine Ammonium Perchlorate	A	O
359192	062	D. Sivakumar, S. Chandrakumari, H. Manikandan, M. Gopalakrishnan, M. Anniyappan & MB Talwar	Annamalai University	Synthesis, spectral analysis of some 5-nitro-1-aryl/alkyl-tetrazoles	A	P
721147	063	J. Dhevaraj , S. Pazhamalai , V. Venkatesan , Aravind kumar & M. Gopalakrishnan	Annamalai University	Synthesis And Characterization Of Aluminum Hydride	A	P
124105	064	D. Sivakumar, S. Chandrakumari, H. Manikandan, V. Venkatesan, Aravind kumar & M. Gopalakrishnan	Annamalai University	Synthesis And Characterization of A-Nitrolactone: Monomer For Energetic Binder	A	P
213263	066	D. Sivakumar, S. Chandrakumari, H. Manikandan, V. Venkatesan & M Gopalakrishnan	Annamalai University	Synthesis and Characterization Of Isowurzitane And Tetrazole Crafted HTPB	A	P
491792	067	Mohamed Sadhik A, Rajesh E.K, Dr Lakshmi V.M, Umasankar S & C.R. Thomas	VSSC ISRO	Safety challenges in handling raw materials for solid propellant production	A	P
125062	068	Mohamed Sadhik A, Rajesh E.K, Dr Lakshmi V.M, Umasankar S & C.R. Thomas	VSSC ISRO	Nano Aluminium - Synthesis, characterization and ballistics study	A	P

393959	070	M. Anniyappan, A. R. Sarvankar & M.B. Talawar	HEMRL Pune	Synthesis and characterization of propyl nitroguanidine (PrNQ): An Insensitive energetic material for melt-cast formulation	A	O
606243	071	M. Anniyappan & MB. Talawar	HEMRL Pune	Studies on Compatibility & Storage Stability of Cyanuric Triazide (CTA): A lead-free Primary explosive	A	O
171313	072	K.M. Kodam, A.U. Chaudhari, S.R. Tapase, V.R. Thamke, A.V. Bagade, V.S. Nandre, S.S. Adhav, Arti Pant, Hima Prasanth & R.K. Pandey	UoP	Toxicity evaluation of the ultrafine HMX on Triticum sp., human skin (HaCat) and lung cells (L-132)	A	O
107450	073	G. Santhosh, N. Supriya & S. Reshmi	VSSC ISRO	Model-free approach on the thermal decomposition kinetics of an energetic ionic liquid: 1-methyl-4-amino-1,2,4-triazolium nitrate	A	P
982212	074	S. Mondal & G. Vaitheeswaran	ACRHEM Hyd	Structural, elastic and electronic properties of crystalline Bis(nitrofurazano)furazan (BNFF-1) using van der waals density functional approach	A	O
908734	075	K. Gnanaprakash & S. R. Chakravarthy	IIT Madras	Effect of Binder Melt Flow on the Leading Edge Flames of Solid Propellant Sandwiches	A	O
78172	076	A Banerjee, T Mohanty & N Nayak	PXE Balasore	Performance evaluation of Base Bleed motors for artillery projectile under dynamic conditions: An innovative approach	A	O
453494	077	Azim Hashmi. M & Dr. S.R. Chakravarthy	IIT Madras	Instantaneous Burning Rate Measurement of Solid Propellant Using Ultrasound Technique	A	P
704051	078	Mengu Dinesh & Rajiv Kumar	BITS Ranchi	Combined Effect of Paraffin and Microcrystalline Wax on Mechanical Properties and Regression Rate of the Hybrid Rocket Fuels	A	P
712804	079	M K Bhatt, Shankar Prasad Sahni, & J C Chaudhary	SFC Jagdalpur	Centrifuge Testing	A	P
667070	081	S. Ganesana & S. R. Chakravarthy	RIC Chennai	Measurement of Pressure Coupled Combustion Response of a novel Composite Solid Propellant by Pulsed T-Burner Method	A	P
198058	082	Rajendra Rajak, Satyanarayanan & R Chakravarthy	IIT Madras	Laser Doppler Velocimetry Technique for Determining Instantaneous Burning Rate and Response Function of Solid Propellants under Fluctuating Pressures	A	O
851876	083	M. Lavanya V.Selvavathi K.Prabakarn, Krishnamurthy & V. Venkatesan2	Chennai Petroleum Corporation Ltd. Chennai	Preparation of Low Aromatic and Ultra-Low Sulphur Jet Fuel for Air-Breathing Engine Applications	A	O

700764	084	G M Vineeth, E S Harikrishnan, S Joel Raj, T Vikram, B Harihara Nath & P Purushothaman	VSSC ISRO	Formulation Studies and Performance Verification of a new Pyrotechnic Igniter Composition for Ballistic Evaluation Motor (BEM)	A	P
859785	085	A.Abinaya, T.Ramesh, R.Balaji, N.Rajalakshmi, V. Venkatesan & Arvind Kumar	ARCI	Aluminium Hydride synthesis by Electrochemical route	A	O
662271	086	S. Abdul Kalam, E. Nageswara Rao, B. Chandu & S. Venugopal Rao	ACRHEM Hyd	Femtosecond standoff detection of high energy materials	A	O
407322	088	N. Sikder, A. P. Singh & S.S.Mhase	HEMRL Pune	Identification and quantification of imported unknown two component liquid explosive	A	P
93970	089	B. Chandu, M.S.S. Bharati, S. & Venugopal Rao	ACRHEM Hyd	Ag-Au Bi-metallic Nanoparticles and Nanostructures Fabricated by Femtosecond Laser Ablation for Detection of 2- 4 Dinitrotoluene	A	P
269309	090	P.Sai Karthik, Neelesh Jain, Karthikeyan B,P V S Kurmanath & A Syed Hamed	SDSC ISRO	Study on the effect of gap between the ballistic evaluation motor and assembly chamber on propellant burning rate prediction	A	P
678278	091	Aashish Gautam, Anuraj Kshirsagar & Pawan K Khanna	DIAT Pune	Synthesis and Characterization of Sb ₂ S ₃ Nanoparticles for Pyrotechnic Delay	A	P
613118	092	Lalit Zambare, Ravi Shankar, Sandeep Kumar & T V Jagadeeswar Rao	ACEM Nasik	Different Methods for Simulating High Altitude Testing of Rocket Motors	A	P
558738	093	Ravi Shankar, Lalit Zambare, Sandeep Kumar & T V Jagadeeswar Rao	ACEM Nasik	Correlation of Sub-scale Rocket Motor Burn Rate with Strand Burn Rate for Different Burn Rate compositions	A	P
291954	094	Pradhan SK, Suresh Babu KV, Srinivas Babu N,Kanakaraju P & Syed Hamed A	SDSC ISRO	Study on Grind ability of Revised AP Feed Fraction to Achieve Specified AP fine Particle Size Distribution and Ballistic properties of Agni Motor	A	O
475245	095	Brijesh Bora, Chaitanya Hiragond, Tanaya Khanna & PK Khanna	HEMRL Pune	Monitoring of Degradation of Methylene Blue Dye by MEMS Technology	A	P
827908	096	Rajanna Gugulothu, Kranthi Chatragadda & Anuj A Vargeese	ACRHEM Hyd	Catalytic Decomposition of Ammonium Dinitramide –Water Liquid Propellant by Free Standing CuO Nanoparticles	A	P
200756	097	Khaja Mohammed & Anuj A Vargeese	ACRHEM Hyd	Synthesis of energetic oxidizer bis(2,2,2-trinitroethyl)amine (BTNA) and theoretical performance evaluation as a propellant ingredient	A	O

494276	098	Naragani Ramakrishna, Ashutosh Parimi & Anuj A Vargeese	ACRHEM Hyd	Thermal decomposition kinetics of a potential oxidizer Tetranitroacetimidic acid (TNAAC)	A	P
98605	099	Santhosh Kumar L, S R Chakravarthy, R Sarathi & R Jayaganthan	IIT Madras	Synthesis and Characterization of Al-Mg Eutectic Nanoalloy Particles by Electrical Wire Explosion Process	A	O
776241	100	E.A. Khmelnikov, K.V. Smagin & T.E. Zavodova	Russia	Application of the methodology "Counterflow Diffusion Flames" in modeling of the terminal ballistic processes of munitions based on reactionary material	A	O
338694	101	Syed Hamad, S. Abdul Kalam & S. Venugopal Rao	ACRHEM Hyd	Fabrication of Nano/Micro-explosive Particles in Liquid Media Using Femtosecond Ablation Technique	A	O
812090	102	A. P. Singh, A K Yadav & N. Sikder	HEMRL Pune	Quantification of 4-(1- hydroxymethyl)-2,2-dimethyl-1,3-dioxalane (C3) and 4-(2- hydroxyethyl)-2,2-dimethyl-1,3-dioxalane (C4) by Gas Chromatography	A	P
441627	103	S Nandagopal, Sudhir, MB Talawar, L Jawale, Vemuri, Arvind Kumar & M Gupta	HEMRL Pune	Studies on TKX-50: Preparation of different particle size and its effect on ballistic properties in HTPB/AP/Al based Composite Propellant Formulation.	A	P
877987	104	Debnath D, Jadhav KB, Jadhav AS, Daware CR & Vishwakarma AK	HEMRL Pune	Ammunition Dismantling System with customizable caliber / Geometry for Various ammunitions	A	O
771970	105	Debnath D, Jadhav A S, Erande SN, Gaikwad SR, Daware C R & Vishwakarma A K	HEMRL Pune	Interface Bond Strength Evaluation System for Combustible Cartridge Case (CCC) based Tank Ammunition	A	P
769273	106	Nagaraju Guthikonda, Ganesh MuthuKumaran B & P Prem Kiran	ACRHEM Hyd	Shadowgraphy Imaging of Laser Induced Shockwaves in Transparent Media	A	O
61039	107	K.I.Suresh,K.Raghavendra, Osman Ali & T.Shekharam	IICT Hyd	Amphiphilic Polymer Modified Graphene Surfactant: Effect on Thermal Stability and Mechanical Properties of Carboxylated Nitrile Latex Nanocomposites.	A	O
978152	108	D. P. S. L. Kameswari, S. Sai Shiva & P. Prem Kiran	ACRHEM Hyd	Numerical Simulation of Laser Induced Shock Waves From Aluminum film in Presence of Helium Gas At Different Ambient Pressures	A	O
162522	109	AK Mandal, GM Kunjir, J Singh, N Thirupathi, SK Singh, RK Pandey & KPS Murthy	HEMRL Pune	Real Time Analysis of Crystalization Process Dynamics of NTO using FBRM & PVM	A	O
142838	110	J singh, AK Mandal, PA Sagar, S Rongpipi, SS Adhav & RK Pandey	HEMRL Pune	Studies of Parametric Optimization and Reaction Kinetics of Precursors of DNDA-57, an Energetic Plastisizer	A	O
331138	111	AK Mandal, VB Sutar, VV Jadhav, P Paramsivan, S Rongpipi & RK Pandey	HEMRL Pune	Process Development for preparation of fine Ammonium Perchlorate by Recrystalization in a batch mode	A	P

382596	112	A K Mandal, N Thirupathi, V B Sutar, R K Pandey & Amol Kulkarni	HEMRL Pune	Development of continuous methodology for preparation of fine AP, an oxidizer for propellant formulations	A	P
599923	113	S Kumar, GM Kunjir, PA Sagar, NP Mali, MH Gijre, AK Mandal & RK Pandey	HEMRL Pune	Process Development and Scale-up of Reduced Sensitivity - RDX	A	P
466415	114	Jaivindra Singh, A Sagar, S S Adhav, A K Mandal & R K Pandey	HEMRL Pune	Process Optimization for preparation of N,N'-Dinitro-N,N'-Dimethyl-oxamide	A	P
417105	115	Dhirendra Kumar, AK Roy, VS Ghadge, & SV Gade	ARDE Pune	Study of sound level in crew area for large caliber artillery gun fitted with double baffle muzzle brake	A	P
716416	116	Rohit Kumar Gautam, VigneshR, Manoj R, & Dr. Suresh M R	VSSC ISRO	Modelling of safety system and comparison of safety systems between government and private organizations	A	O
426123	117	Rohit Kumar Gautam, VigneshR, Manoj R & Dr. Suresh M R	VSSC ISRO	Analytical study of safety through differential equations	A	P
358281	118	R Radhika, Jayalatha T, Rekha Krishnan G, Salu Jacob, R Rajeev & Benny K George	VSSC ISRO	Removal of Perchlorate from Water Using Iron Doped Activated Carbon - Sustainable Adsorbent	A	P
652122	119	Anurag Tripathi, Hima Prasanth & Raj Kishore Pandey	HEMRL Pune	Activation Energy and Kinetics of Oxidation of Amorphous Boron Powder and Aluminium Dodecaboride	A	P
55200	120	Arti Pant, Vandana Prakash Gajbhiye, Hima Prasanth & RK Pandey	HEMRL Pune	Oxidation and Kinetic analysis of Aluminium Diboride	A	P
381670	122	Samanyu Raina & Vinayak Malhotra	SRM University Chennai	On the Feasibility of Jetfans for Aircraft Fire Safety	A	P
43338	123	Sambamurthy E, Nagarajan K, Moideenkutty K K, Gunasekaran R, Dr. Nallaperumal M, Umasankar S & Thomas C R	VSSC ISRO	Linear Charge Off-set Studies On RDX Based Flexible Linear Shaped Charge (FLSC) By Using NDT Techniques (X-ray & NR)	A	P
565821	124	Gusain Rajeshsingh Nandan, Abraham K Kurian, Bishwajyoti Dutta Majumdar, Sheeju Chandran, N Vinodkumar & P Purushothaman	VSSC ISRO	Development of a MEMS Pyrotechnic Thruster for Micro Propulsion Applications	A	O
693163	125	Gusain Rajeshsingh Nandan, Suveer Singh, Sheeju Chandran & P Purushothaman	VSSC ISRO	Pressure Estimation for Pyrotechnic Devices Using an Energy Based Mathematical Model	A	O
950010	126	S K Singh, R S Rana, C S Pant, S Das & TV Jagadeeswar Rao	ACEM Nasik	Optimization of Interface Properties of Composite Propellant with NBR Insulator based on the Studies on Liner Thickness and Casting Time	A	O
881879	127	Patwardhan SS, Chander A, Garg RK & Sinha RK	HEMRL Pune	Effect of particle size of Aluminium on pressable plastic bonded explosives	A	O

988792	128	A.P.Pandey, R.N. Gaikwad , A.P.Singh ,S.S. Mhase & M.A.Kulkarni	HEMRL Pune	Quantification of Curing Agent in HTPB-TDI Base Liner Composition Used in Case Bonded Composite Propellants	A	P
364950	129	Patwardhan SS, Phadke VK, Garg RK & Sinha RK	HEMRL Pune	Comparative studies on Tungsten and Aluminium loaded pressable plastic bonded explosives	A	P
330217	130	Ayushi Nirwan, Alka Devi & Vikas D. Ghule	NIT Kurukshetra	Quantum-Chemical Studies on 7H-[1,2,4]Triazolo[4,3-b][1,2,4]triazole Containing Energetic Salts	A	O
962500	131	P. M. Jadhav, A. A. Kulkarni & R. K. Pandey	HEMRL Pune	DFT Studies for Rate Constant Computation of Aromatics and Heterocycles Nitration in Mixed Acid Environment for High Energy Materials Synthesis	A	O
580266	132	Pandurang M. Jadhav, Ramdas S. Khopade, Hima Prasanth, Raj K. Pandey, Ujwala R. Shinde & Shashikant.A.Desai	HEMRL Pune	Reaction and reactor engineering of Bachmann Process for RDX production	A	O
840243	133	Pandurang M. Jadhav, Sushama S. Adhav, Hima Prasanth & Raj K. Pandey	HEMRL Pune	Studies on Friction Insensitivity Improvement of Tetranitroacetimidic Acid	A	O
594552	134	Kumar Nagendra & P. A. Ramakrishana	IIT Madras	Quantification of Binder Melt in Composite Solid Propellants	A	P
46189	135	Sriniwas Panda, Bhatt TusharShriram, S K Das, S S Manna & C R Thomas	VSSC ISRO	Thermal, Ballistic and Rheo-mechanical Characterization of High Burn Rate Composite Solid Propellant for Crew Escape System	A	P
838116	136	Sukeshni Rawal, M. K. Das, Anurag Tripathi, S. D. Kakade & P. K. Khanna	HEMRL Pune	Studies on Effect of Boron-Aluminium Ligature (AIB12) on the performance of Boron-Potassium Nitrate Igniter Composition	A	P
19045	138	Shailesh Prasad, Bagavathiappan R & V Eswaran	VSSC ISRO	Challenges to build multiple scarfed nozzle Jettisoning Motor for Crew Escape System	A	P
563793	139	Pankaj Deshwal, D.M Badgujar, P.M.Jadhav, Hima Prasanth, R.K.Pandey, Mangesh Surve & Rashma Kadam	HEMRL Pune	Analysis of ABP process effluent and design of treatment plant	A	P
271793	140	Anish Gopal & Dr. Indumathi m. Nambi	SFC Jagdalpur	Investigation of Suitability of Chemical and Electro-Chemical Treatment Methods for Destruction of Perchlorate in Solid Propellant Hog-Out Effluent	A	O

57557	141	A.Sudheer Babu, RS Puneekar, SL Jawale, Vikram singh & C.D. Kamble	HEMRL Pune	Experimental comparative study of ground burst and stand-off burst during measurement of blast pressure parameters of explosives	A	P
393324	142	A.Sudheer Babu, PK Pandey, SS.Ilake, PV Pawar & AR Pawar	HEMRL Pune	Experimentation and analysis for estimating explosives fireball parameters using scaled weight method	A	P
462304	144	Bipin Kumar Bihari*, N Pandarinath Rao, Manoj Gupta & KPS Murthy	HEMRL Pune	Assessment of mechanical properties of aged composite propellant by indentation method	A	O
572455	145	Arti Pant, V.P. Gajbhiye, Pankaj Deshwal, Anurag Tripathi, Hima Prasanth & R.K.Pandey	HEMRL Pune	Preparation of energetic composite material containing Boron aluminium ligature (BAL) and FOX-7	A	O
570861	146	Narendra S. Bisht, Rohit Kumar, Saleem A. Farooqui, Rakesh Kumar, Rakesh Joshi, Tasleem Khan, Pervez Alam, Mohit Anand, V. Venkatesan & Anil K. Sinha	IIP Dehradun	Single-step catalytic conversion of isopentane into isoprene	A	O
360680	147	Sunil Jain, Manoj Vemuri, Sushma Panday, V.H. Khire, K. Balasubramanian, N.P.N. Rao & Manoj Gupta	HEMRL Pune	Studies on Effect of Particle Size of Ammonium Perchlorate on Impact, Friction and Spark Sensitivities	A	P
770043	148	Sunil Jain, Mayank Shukla, Sumit Bhandarkar, V.H. Khire, K. Balasubramanian, N.P.N. Rao & Manoj Gupta	HEMRL Pune	Modeling of Size Reduction Operation of Ammonium Perchlorate in Hammer Mill	A	P
542688	150	S.H. Kharat, S.R. Gore, A.K.mishra, A.B. Dange, S .M Pande & M. Gupta	HEMRL Pune	Studies on development of potassium perchlorate based high energy Extruded double base Propellant	A	P
766974	151	Ganesh Dombe, Anatha Padmanabha, RK Verma, Renu Gill, RM Lagade, NK Yadav, NPN Rao & Manoj Gupta	HEMRL Pune	Studies on Effect of Screw Geometry and Operating Conditions on Residence Time Distribution in a Twin Screw Continuous Mixer	A	O
451112	152	Mukesh Jain, Ganesh Dombe, Nitin Kumar, Saurav Mukherjee, PR Gawande, NPN Rao & Manoj Gupta	HEMRL Pune	Studies on Effect of Propellant Formulation on Pseudoplasticity, Thixotropicity and Yield Stress	A	O
632253	153	Mukesh Jain, Nitin Kumar, Saurav Mukherjee, P Gawande, Bipin Kumar Bihari, NPN Rao & Manoj Gupta	HEMRL Pune	Design of Slurry Distributor and Cone for Casting of Propellant Slurry for Complex Rocket Motor	A	P
418558	154	R. Vijayalakshmi, G. M. Suryavanshi, M. B. Talawar & Md Abdul Shafeeuulla Khan	HEMRL Pune	Exploring the Compatibility of Energetic Plasticizer DNDA-5 with Energetic Binders: Thermal and DFT Study	A	P
764233	155	Shallu Gupta, Pal Dinesh Kumar, Pushpa Gupta, Sandeep Sharma, Arun Agarwal & Prem Lata	TBRL Chd	Application of Ultrafine E-CL-20 Explosive in Slapper Detonator	A	O
972210	156	Shallu Gupta, Pal Dinesh Kumar, Pushpa Gupta, Sandeep Sharma & Arun Agarwal	TBRL Chd	Preparation, Characterization and Threshold Initiation Studies of Ultrafine RDX	A	P

224843	157	S.R. Nayak, R.M. Roy, S.N. Asthana, & K.P.S. Murthy	HEMRL Pune	Studies on Fluoro polymer Based Plastic Bonded Explosive Compositions	A	P
291687	158	N. Hamza, H. Murthy & P. A. Ramakrishna	IIT Madras	Accelerated Ageing of Solid Propellants: A New Approach	A	P
957162	159	A K Mishra, S R Gore, S R Mane, R N Patkar, S M Pande & M Gupta	HEMRL Pune	Effect of Dinitrodiaza Alkane as Energetic Plasticizer for Extruded Double Base Propellant Formulations	A	O
663993	160	N.H. Naik, J. Athar, V. Srivastav, S.P. Ghosh, A.P. Singh & N. Sikder	HEMRL Pune	Synthesis and Curing Behaviour of Non-isocyanate Binder: Poly (allyl azide)	A	P
911302	161	J. Athar, N.H. Naik, R.S. Patil, N. Sikder & P.B. Navle	HEMRL Pune	Compatibility Study on Poly (allyl azide) vis-a-vis Explosive/Propellant Compositions	A	P
722020	163	P.B. Soumyamol, N. Supriya, Thushar Bhatt, K.P. Vijayalakshmi & R. Rajeev	VSSC ISRO	Evaluation of Thermal stability of composite propellants with varying coarse to fine ammonium perchlorate ratio and catalyst concentration	A	P
917559	164	Jaspreet Kaur Narang, P.K. Soni, N. Mukherjee & Prateek Kishore	TBRL Chd	Model for Determination of Detonation Properties of C-H-N-O Based Halogenated Polymer Bonded Explosives	A	P
773406	166	Rekha Krishnan G., Sanoop Paulose, Salu Jacob & Rajeev R	VSSC ISRO	Novel Spectrophotometric Method for the Determination of Hexavalent Chromium in Composite Solid Propellants	A	P
800915	167	S.Thalapathi Raj, HN Behera, & Dr VK Devgan	TBRL Chd	Disposal of Unserviceable Ammunitions of Different Hazard Divisions (HD) using Innovative methods	A	P
934565	168	Deepthi L. Sivasdas, Haseena Beegum M S , Rekha Krishnan G, Jayalatha T. ,Salu Jacob, & Rajeev Ra	VSSC ISRO	Cotton Assisted Hydrothermal Synthesis of Nano Copper Oxide: Promising Catalyst for Ammonium Perchlorate Thermal Decomposition	A	O
284944	169	Kumar Nagendra, P. A. Ramakrishana, V. Kalyana Chakravarthy, Debasis Chakraborty, C. Gururaj Rao, S.R. Gore & Arvind Kumar	IIT Madras	Computational Studies on Combustion Instability of Solid Rocket Motor: A Case Study	A	O
61944	171	Bismi Basheer, Jasna M., Saravanan n., Sadhana r. & Rajeev R.	VSSC ISRO	Studies on Removal of Peroxide in Effluent from HTPB Plant	A	P
412188	172	Deepak Kumar, Satish Kumar, Basantlal, Dharendra Gupta, N. Mukherjee & Prateek Kishore	TBRL Chd	Vibration Casting of Highly Viscous Composition of HMX:TNT	A	P
825520	173	Ciju Paul, B. Dutta Majumdar, Sheeju Chandran, M.Nallaperumal, Ruben .V. Lopez, Baby Abraham & P. Purushothaman	VSSC ISRO	Development of a Pyro-based Isolation System for High Altitude Engine Tests	A	P
632244	174	C N Divekar, R Meena, S Gogoi, S Roy*, P B Navle and K P S Murthy	HEMRL Pune	Study on DEGDN Based High Performance Gun Propellant for Tank Gun Ammunition	A	P
439133	175	D Bhowmik, VS Sadavarte, V D Charbhe, Brijesh Kumar, L S Jawale & SM Pande	HEMRL Pune	Optimization of Solid Loading for Processing of Nitrate Ester Plasticized Polyester Polyol based Advanced Energetic Solid Rocket Propellants	A	P

219134	176	Gaurav Marothiya, Ravi Teja & P. A. Ramakrishna	IIT Madras	Use of Pyral Powder to Increase the Yield of Explosives	A	O
37569	177	Pal Dinesh Kumar, Shallu Gupta, P. K. Soni, Deepika Jindal, Pushpa Gupta, Sandeep Sharma & Arun Agarwal	TBRL Chd	Design of Nozzle for Spray Atomization Process for Recrystallization of Ultrafine Explosives	A	P
238380	178	VS Sadavarte, D Bhowmik, VD Charbhe, Garima Gupta & SM Pande	HEMRL Pune	Studies on Burn Rate Modification of Advanced Energetic Solid Propellants	A	P
998380	179	Chithra A, Suchithra C, Dr. Neeraj Naithani, Roopa Dimple & Dr. Rajeev R	VSSC ISRO	Effect of solvent polarity and temperature on recrystallised ammonium perchlorate	A	O
764363	180	Vasudha Kaul, Garima Jaiswal, Anu Abirami.S, Vinod Chouhan, SD Shelar & S Roy	HEMRL Pune	Development and evaluation of high energy nitramine based gun propellant composition	A	P
63877	181	Prabhanjan Thakur, Rajesh Mishra & R K Tanwar	CFEES	Development of Construction Materials for Explosive Storage Buildings	A	O
135766	182	S Radhakrishnan, S Premkumar & M B Talawar	HEMRL Pune	Understanding the Sensitivity of Explosive crystals: A Computational Approach	A	O
475689	183	Durairaj Vijayasarithi, Imran Rahman, Ayush Agarwal, Renu Vyas, M.B. Talawar, H. Muthurajan, V. Venkatesan & Muthukumarasamy Karthikeyan	NCL Pune	A QSPR Based Method for the Prediction of Heat of Combustion of Diverse Higher Energy Materials Using Partial Least Square Regression and Genetic Programming	A	P
574365	184	Avtar Singh, S. Radhakrishnan, M.B. Talawar & Arvind Kumar	HEMRL Pune	MD Simulation Studies on HTPB-b-GAP Copolymers	A	P
199037	185	Durairaj Vijayasarithi, Imran Rahman, Renu Vyas, M.B. Talawar, H. Muthurajan, V. Venkatesan & Muthukumarasamy Karthikeyan	NCL Pune	HEMScreener: A Chemoinformatics tool for Design and Development of Novel High Energy Materials Using Virtual Screening	A	O
628693	186	R. Vijayalakshmi Pratibha Karabal, S. Radhakrishnan & M.B Talawar	HEMRL Pune	Synthesis of Nitro Substituted 1, 2, 4-Triazole, Imidazole and Alkyl nitramine Derivatives: A New Class of Energetic Materials	A	P
73296	187	Rajendhar Junjuri & G. Manoj Kumar	ACRHEM Hyd	Identification of Explosives using Standoff LIBS Combined with Multivariate Analysis	A	O
442203	188	Sandeep Kaur, P K Pandey, K K Mishra, S M Pandey & D K Kankane	HEMRL Pune	Prediction of Electrostatic Spark Sensitivity of Energetic Molecules (CaHbNcOd) by Artificial Neural Network	A	P
902680	190	P K Pandey, P M Deshmukh, G T Kachi, S Kumar, S S Ilake, & D K Kankane	HEMRL Pune	Frequency time analysis of pressure time profile of solid rocket motors having combustion instability	A	O
307033	191	R K Kalal, H Shekhar, P S Alegaonkar, S S Rasalpurkar, S S Ilke & S M Pande	HEMRL Pune	Propellant Burning Wave Studies By Embedded Thermocouple And Imaging Method At Ambient Pressure	A	O
181117	192	Velari Yogeshkumara & P.A. Ramakrishna	IIT Madras	Active Propulsion of an Artillery Gun Shell By Means of a Ramjet	A	O
884499	193	Biswa Ranjan Mohanty, Sujeet Kumar & Radhakrishnan MB	VSSC ISRO	Quality Control Tools for Linear Explosive Cords	A	P

674764	195	Surinder Kumar, Shiv Kumar, Ramesh Kumar, Vandana P Arya, Chinmay Sarkar, Niladri Mukherjee & Prateek Kishore	TBRL Chd	Studies on Surface Coating of HMX with TNT and Polymer Binder	A	P
48677	196	M. G. Gautham, Nikunj Rathi & P. A. Ramakrishna	IIT Madras	Performance Study of Aluminum based Water Ramjets	A	O
970461	197	S. S. Puranik, J. N. Daphedar, Suyog. A. Rout, Hima. Prasanth, Anurag Tripathi, R. K Pandey, S.V. Boraskar & V. L. Mathe	UoP	Boron Aluminum Ligature (BAL) obtained using DC Thermal Plasma Route and their thermal properties	A	O
337545	198	Ranjith Kumar Reddy G, Gusain Rajesh Singh Nandan, Srikanth K, A.K. Kurien, Alex Thomas, N Vinod Kumar & Baby Abraham	VSSC ISRO	Validation of Burn Rate law for Composite Igniter Propellant at Higher Pressures	A	P
909152	199	Manish Kumara, Mrigank Sahaib & Pawan Kumar Ojha	PRIYADARSHI NI COLLEGE OF ENGINEERING	Optimization of Regression Rate of Solid Fuel Grain in Hybrid Rocket by Vortex Generation	A	O
607188	200	Dhirendra Gupta, Niladri Mukherjee, Prateek Kishore & Dr. Manjit Singh	TBRL Chd	Process Optimization of Isostatically Pressed PBX Based Shaped Charge Using Taguchi Approach	A	P
791829	201	Shalu Singh, Arjun Singh, N. Mukherjee, Prateek Kishore & Vasundhara Singh	TBRL Chd	Compatibility study of Octahydro- 1, 3, 5, 7-tetranitro- 1, 3, 5, 7-tetrazocine with energetic materials and inert polymeric materials	A	P
648784	202	BaleshRopia, P. K. Panday, Deepak k, Sandeep k, Sumitsood, C.G Rao & Ramesh K	HEMRL Pune	Failure analysis of the propulsion system for Antitank Guided Missile (ATGM)	A	O
881150	203	M. Anniyappan, MB. Talawar, Nitin Kumar, RS. Palaiah & DB. Sarwade	HEMRL Pune	Assessment of Environmental Parameters of NHN Effluent and Its Disposal: A Modern Lead Free Primary Explosive	A	P
199288	204	Ganesh Damarla, M. Venkatesh, & A.K. Chaudhary	ACRHEM Hyd	Temperature dependent Terahertz Spectroscopy of Aqueous soluble and Insoluble Explosives	A	O
349117	205	B. Adivaiah, E. Narsimha Rao, T. Atahar Parveen & G. Vaitheeswaran	ACRHEM Hyd	Lattice dynamics and Thermodynamic response of cubic alkaline-earth metal nitrates $M(NO_3)_2$ (M= Sr, Ba): A First principle study	A	P
422957	206	U. Thanigaivelan, HC Dwivedi & MGP Dhanraj	CQA(ME) Pune	Quality Assurance of Military Explosives: An Overview	A	P
654006	207	Yogesh Kumar Singh, B. HariHaraNath & Purushothaman P	VSSC ISRO	Kinetic Evaluation of Zirconium/Potassium perchlorate (ZPP) as Primary Charge of ISRO Standard Initiator	A	P
92616	208	D. P. S. L. Kameswari, Ritu Daipuriya, Manpreet Singh & P. Prem Kiran	ACRHEM Hyd	Optical Absorption in Metal Nanoparticle Doped High Energy Material Composites	A	O
339004	210	P. Sree Kavya , F. Yehya , K. S. Rao & A. K. Chaudhary	ACRHEM Hyd	Designing of a Corrugated Acoustic Spectrum Analyzer for characterization of Laser Induced Shock waves from solid graphite	A	P
478893	211	Javaid Athar, Nirmala Sikder & P.B. Navale	HEMRL Pune	A Rheological Method to Measure the Degree of Exfoliation of PU/Clay Nanocomposite	A	P

287539	212	Rekha Sangtyani, Kavita Khosh, V.G.Ghorpade, B.G.Padale, Amit Kumar, Arvind Kumar & Manoj Gupta	HEMRL Pune	Study of Bonding Agent Cum Surfactant on Composite Propellant	A	P
378525	213	Anirudha Sane, Bikash Ghose & DK Kankane	HEMRL Pune	Design and Development of Automated Gun Propellant Metrology System	A	O
676091	214	Piyushkanti Kar, Vinodhkumar CP, Chackochen MK, Nallaperumal M & Baby Abraham	VSSC ISRO	Studies on Detonation Reliability of High Explosive Booster for a Specific Application	A	O
911391	215	Vijay Pratap Mall, B D Dhere, Jayant Halgekar & Bikash Ghose	HEMRL Pune	Radiography of Planar defects in Gas Generator (GG) grains	A	P
684812	216	Shaik Mujeeb, Ganesan M, Bhatt Tushar S & Elizabeth John	VSSC ISRO	Determination of long term starin endurance capability for HTPB based solid propellant	A	P
736283	217	Abhay Yadav, Nitin Ram Bulakh & Nirmala Sikder	HEMRL Pune	Rapid determination of Boron content in Amorphous Boron Powder (ABP) using Atomic Spectrometry	A	P
237899	218	Abhay Yadav, S P Niwale, Vaibhav Srivastava, A P Singh, Javaid Athar & Nimala Sikder	HEMRL Pune	Synthesis and Characterisation of Energetic Polyphosphazene	A	O
570166	219	B Dutta Majumdar, Nitish Dhawan, Vibhav Kumar, Shete Mayuresh Kailas, Sheeju Chandran & Purushothaman P	VSSC ISRO	Development of a PETN Based SDT Detonator Using ZPP as an Initiating Charge	A	O
997633	220	B Dutta Majumdar, Rani Krishnan KR, Pramod R Nair, Prakash P, Sheeju Chandran & Purushothaman P	VSSC ISRO	Investigation of Dual Bridgewire Detonating Cartridge Anomaly through Numerical Analysis	A	P
243966	222	D P Patil, A H Kasar, A S Kuchekar, Bikash Ghose & D K Kankane	HEMRL Pune	False Positive Indications in the Digital Radiograph of Warhead due to Scattering of X-rays	A	O
402621	223	S K Sahoo, S. Thiyagu S M Danali & P R Arya	HEMRL Pune	Ignition and Thermal Behavior of Al/MoO ₃ Thermite for LASER Ignition Application	A	P
849222	224	Satveer Kumar, Rajeev Kumar, Chinmay Sarkar, Niladri Mukherjee & Prateek Kishore	TBRL Chd	Study of radiographic image quality achieved on film for an explosive charge using 7 MeV X-Rays	A	P
604085	225	Mahesh Kumar, Tirupati Chander Sharma, Ravinder Kumar, Gurvinder Kaur, P K Soni & Prateek Kishore	TBRL Chd	Particle Size Reduction of β -HMX By Nozzle Assisted Spraying	A	O
126759	226	Dr S.S. Malik , Dr RK Pandey & Dr Rajnish K. Calay	DIAT Pune	Recycling Hazardous Waste of Combustible Cartridge Case High Energy Materials into Crop Fertiliser by the Process of Alkaline Hydrolysis	A	P
782327	227	OP Manhar, DeokumarVerma, Sandeep Singh Sidar & JC Chaudhary	SFC Jagdalpur	Study on shelf life and ageing characteristic of pedcoat liner used in Processing of large size Solid Rocket Motor	A	P

658908	230	Dr H L Yadav, Hemlata Gautam & Neelam Saxena	CFEES	Hazards Of TNT Exudation And Preventive Measures	A	P
884481	231	Gulshan K Singla, Santosh K Singh, Sumit Kumar, K Athiraj & Col R K Yadav	CFEES	Issues and Challenges of Demilitarisation of Ammunition in India	A	P
838538	232	Ovas Rasoo & Hemlata Gautam	CFEES	Static Electricity: Hazards in Explosive Environment and Remedial Measures	A	P
437215	233	Ramesh Kumar Singh, Rajesh Mishra, P K Thakur & R K Tanwar	CFEES	Correlation for Propagation of Blast Waves in Tunnel	A	P
236306	234	S.Mary Celin, Anchita Kalsi, Shilpi Nagar, Pallavi Bhanot, Shalini Anand, Pritam Sangwan, Rashmi Bhalla & Sandip Sahai	CFEES	Microbial Remediation –A Potential Green Technology for Treatment of Energetic Chemicals Present In Wastewater and Soil	A	O
160203	236	Deokumar verma OP Manhar, Uday Bhan Lodhi & MVL Ramesh	SFC Jagdalpur	Study on factors affecting propellant –rubber peel strength in processing of Large size Solid Rocket Motors	A	P
344789	237	Meeta Baghel, Ramesh Kumar Singh, Rajesh Mishra & R K Tanwar	CFEES	Underground Explosion and Propagation of Ground Shock	A	P
122015	238	Rajesh Mishra, Priyavrat Sharma, Kapil Garg & R K Tanwar	CFEES	Innovative Design of Multi-compartment Propellant Storage Building	A	O
865465	239	M K Reddi, Rajesh Mishra, R K Singh & R K Tanwar	CFEES	Sacrificial Protective Wall for Impulsively Loaded Structure	A	P
59018	240	Deokumar verma & Dr.Sumit Basu	SFC Jagdalpur	Study effect of aging and temperature on creep deformation of epoxy resin, applying method of accelerated aging	A	P
799883	241	Nivedita Shukla, Vatsana Gupta, Ashok Singh Rawat, Vikas Kumar Gahlot, Amit Saxena, Sarita Shrivastav ^b & Pramod Kumar Rai	CFEES	Zero Valent Iron Loaded Silica Nanoparticles for the Removal of TNT, DNT, HMX and RDX	A	P
427794	242	Chaitanya Vijay, Gaurav Marothiya & P. A. Ramakrishana	IIT Madras	Role of Thermal Conductivity in Determining Temperature Sensitivity	A	O
629332	243	A K Nandi, R K Pandey & S.B. Waghmode	HEMRL Pune	Synergetic Approach towards Utilization of Effluent of TATB Pilot Plant for Effective Leaching of Crude Amorphous Boron Power	A	P
97250	244	Gaurav Agnihotri, Subhrorup Pal, Ramesh Banoth, M.V.L Ramesh & J. C. Choudhary	SFC Jagdalpur	Study on quantitative analysis of copperchromite in composite propellant using inductively coupled plasma-optical emission spectroscopy-an instrumental method	A	P
377274	245	Sanjeevani Sonawane & M. B. Talawar	HEMRL Pune	Synthesis and Characterisation of Polyglycidyl Ethers: An isocyanate free curatives	A	P
390701	246	Anu Abirami. S, Kashinath I Dhabbe, Prashant S Kulkarni & Mehilal	HEMRL Pune	Studies on conversion of waste Fuel Rich based Propellants into liquid fertilizer and its effect on plant growth	A	P
941569	247	P K Divekar, K G Bhalerao, LV Gaikwad, SB Navale & K P C Rao	HEMRL Pune	Hydroxyl Terminated Polybutadiene Based Machinable Polyurethane Inhibition System for Solid Rocket Propellant	A	P
676266	248	L D Ohal, S S Londhe, K G Bhalerao, P K Divekar, S R Gore & K P C Rao	HEMRL Pune	Design and construction of Radial Hole Drilling fixture for HELINA Nitramine Extruded Double Base Propellant	A	P
969113	249	L V Gaikwad, S B Navale, K G Bhalerao, P K Divekar & K P C Rao	HEMRL Pune	Unique Liner Formulation for processing of case Bonded Rocket Motors	A	P

451914	250	S B Navale, L V Gaikwad, PK Divekar, Kavita Ghosh, K P C Rao & Manoj Gupta	HEMRL Pune	Studies on effect of Nano Clay in Inhibitor Formulation for Inhibition of Gas Generator Propellants	A	P
618502	251	K G Bhalariao, P K Divekar, L V Gaikwad, S B Navale & K P C Rao	HEMRL Pune	Development of bonding promoters for silicone based insulation with HD1.1 class of propellant	A	P
934273	252	B N Nigade, S B Navale, P K Divekar, L D Ohal, K G Bhalariao & K P C Rao	HEMRL Pune	Production Oriented Sleeve Cast Inhibition Technique for Cartridge Loaded Composite Propellants	A	O
143406	253	Suveer Singh, Kamal Saroha, Ani Daniel Kurien, H Kumar, Sheeju Chandran & P. Purushothaman	VSSC ISRO	A Simplified Mathematical Model for Predicting Performance of Low Explosive Charges	A	P
927710	254	J S Notay, Sumeet Kumar, Ramraj Singh, Hemlata Gautam, & Rajiv Narang	CFEES	Significance of Operational Hazards in Propellant Manufacturing	A	P
432073	255	Dhirendra Kshirsagar, Sudhir, Sunil Jain, Anil Mahajan, Vrushali Khire, N P N Rao & Manoj Gupta	HEMRL Pune	Synthesis of high surface area copper oxide Nano-flower and its application as burning rate modifier in composite propellant formulation	A	O
498024	256	Sudhir, Sunil Jain, Vrushali Khire, Dhirendra Kshirsagar, Anil Mahajan, N P N Rao & Manoj Gupta	HEMRL Pune	Studies on Evaluation of Ferric Citrate in HTPB/AP/Al Composite Propellant Formulations	A	P
500871	257	AK Devangan, B Kumar, S K Jangid, H K Gogoi, P C Rao & S C Aglawe	HEMRL Pune	Experimental and Numerical Studies on Initiation Behavior of Thin Explosive Sheets on Impact of Shaped Charge Jet	A	O
505833	258	G T Kachi, S Kumar, Jayashree S., K V Raut, P K Pandey, P M Deshmukh, S Kaur & DK Kankane	HEMRL Pune	Design and development of delay module for triggering combustion instability	A	P
749933	259	R.Vijayalakshmi, S. Radhakrishnan & M.B.Talawar	HEMRL Pune	Synthesis and Characterization of BPTAP: As Alternative Heat Resistant Explosive	A	O
182335	261	A H Kasar, Bikash Ghose, A S Kuchekar & D K Kankane	HEMRL Pune	Image Processing Tools for Assisted Defect Recognition (ADR) in Digital Radiograph of Propellant Grains	A	P
441332	262	Sushanta Das, Ashutosh Sharma, Dhiraj Yadav & Hemant Nanavati	ACEM Nasik	Studies on the Effect of Ammonium Perchlorate (AP) Particle Size on the Mullins Effect Phenomena in Composite Propellants	A	P
29461	263	Sushanta Das, Sachin Ghosal & Hemant Nanavati	ACEM Nasik	Experimental and Flory \square -Model Based Characterization of PBPU Elastomer in Composite Propellant Applications and Fitting of Molecularly Derived Rubber Elasticity Models	A	P
416374	264	Vijay Pratap Mall, B D Dhare, Jayant Halgekar, A H Kasar, Bikash Ghose & D K Kankane	HEMRL Pune	Challenges in solid rocket motor radiography	A	P
942050	265	Sushanta Das & Hemant Nanavati	ACEM Nasik	Atomistic Molecular Dynamics Simulations of Hydroxy Terminated Polybutadiene (HTPB) on Aluminium Surface	A	P
855546	267	BaleshRopia, Shubhamkulkarni, Dr. D. G. Thakur, C. G. Rao & Dr. HimanshuShekher	HEMRL Pune	CFD analysis of high pressure and temperature gases in multi propellant grain rocket motor	A	P

378147	268	LK Gite, Anandaraj A & DK Joshi	ARDE Pune	Effect of Propellant Burn Rate on Performance of an Artillery Rocket	A	P
844958	269	C S Pant, MSSNM Santosh, B K Majhi, S Banerjee, P K Khanna & Mehilal	ACEM Nasik	Nitro-Functionalized-Hydroxyl Terminated Polybutadiene: A Potential Energetic Polymer for Composite Propellant	A	O
858460	270	MSSNM Santosh, CS Pant, S Ghosal, SC Bhattacharyya & S Seshadri	ACEM Nasik	Analysis of Variability of Instrumental Determination of Composite Propellant Properties	A	P
97774	271	S R Khairnar, S SSNM Mada, CS Pant, S Das & TVJ Rao	ACEM Nasik	Study on optimization of catalyst concentration to reduce curing time of Inhibition resin	A	P
171489	272	J. Saji, M. Suresh, P.P. Vadhe, U.S. Prasad, R.K. Sinha & K.P.S. Murthy	HEMRL Pune	Evaluation of Layered Fuel Rich Explosive Charges for Thermobaric Applications	A	O
440260	273	Venkataraman.P & Varsha Teli	CSIR-URDIP	A Patent Review on Green Materials in HEMs / Munitions	A	O
364011	274	S K Sahoo, C K Ghatak, S M Danali & P R Arya	HEMRL Pune	Studies on Thermal Behavior of LFCN/KClO ₄ /Viton pyrotechnic System	A	P
851744	275	M. Suresh, J. Saji, P.P. Vadhe, N.H. Rahujade, U.S. Prasad & R.K. Sinha	HEMRL Pune	Studies on Effect of RDX Quality on the Shock Sensitivity of Polymer Bonded Explosive Formulations	A	O
694731	276	Bikash Ghose & D K Kankane	HEMRL Pune	3D X-Ray Computed Tomography (3D-CT): Inspection Technique for Comprehensive NDE of Explosive Systems	A	O
706087	277	Inderpal Singh Sandhu, Meenakshi Bhatt Kala, Manpreet Singh, Prashant S Alegaonkar & D R Saroha	TBRL Chd	Blast Pressure Attenuation in Woollen Felt	A	P
115460	279	Navinkumar Dahiwale, Varsha Bhingarkar, Sanjay Phatak, Prakash Panda, Vijay Kale, Seema Kakade & KPS Murthy	HEMRL Pune	Design of ignition system for Nozzle Less Booster (NLB) motor	A	O
442897	280	Arjun Singh, Shalu Singh & Mahesh Kumar	TBRL Chd	2,4,6- triamino-1,3,5-trinitrobenzene based Explosive Formulations Containing Vinylidene Fluoride-Chlorotrifluoroethylene copolymers Matrices with Different Molecular Weight	A	O
108058	281	Tribhuvan Prasad Singh & Prof. Abhijit Kushari	IIT, Kanpur	Gaseous Hydrocarbon Combustion Studies in High Pressure Rocket Combustors	A	O
626261	282	Abhishek Dubey & Abhijit Kushari	IIT, Kanpur	Investigation of Reverse Flow Slinger Combustor	A	O
50292	283	Bhupinder Sewak, Ruchi Joshi, Anil Kumar & Akhilesh C Sharma	TBRL Chd	Explosively Driven Hyper Velocity Launcher	A	O
25072	284	V S Bhingarkar, S A Phatak, M K Das, A A Tamboli, Nandi AK, R R Sanghavi & S D Kakade	HEMRL Pune	Feasibility Study of Indigenous Amorphous Boron Powder (ABP) of purity 91-93% in igniter composition	A	P
291932	285	V S Bhingarkar, S R Gore, C Gururaja Rao, A A Tmboli, J G Bujbal, S M Pande, S D Kakade & Manoj Gupta	HEMRL Pune	Design of Ignition System for Booster motor of Pilotless Target Aircraft (PTA)	A	P
684523	286	Abhijeet Padalkar, Lalit Zambre, Triloki Nath & T V J Rao	ACEM Nasik	Analysis of Factors Affecting Web Thickness of Ballistic Evaluation Motor	A	P

699772	287	Ashish Jauhari, Md. Ziyaur Rahman, Chinmay Ghoroi & S. C. Bhattacharyya	ACEM Nasik	Effect of relative humidity on flow properties of dry coated fine and ultrafine ammonium perchlorate powder	A	O
699000	288	Sanjeevani Sonawane & M. B. Talawar	HEMRL Pune	Rapid and selective analysis of High Energy propellant Ingredients by Reverse Phase HPLC method	A	P
86910	289	P. P. Vadhe, M. Suresh, G. Skaria, U.S. Prasad, R.K. Sinha & K.P.S. Murthy	HEMRL Pune	Prediction of Detonation Velocity of Polymer Bonded Explosives by Using Empirical Approaches	A	P
298867	290	P.P. Vadhe, H.K. Gogai, M. Suresh, N.H. Rahujade, U.S. Prasad, R.K. Sinha & K.P.S. Murthy	HEMRL Pune	Effect of Tungsten Content on Metal Acceleration Properties of Polymer Bonded Explosive Formulations	A	P
580903	291	Inderpal Singh Sandhu, Ankush Sharma, Manpreet Singh, Prashant S Alegaonkar & D R Saroha	TBRL Chd	Study of effect of blast wave generator parameters on blast wave strength	A	P
840011	292	Jaspreet Kaur Narang, Arjun Singh, Mahesh Kumar, P.K Soni, N. Mukherjee, Prateek Kishore	TBRL Chd	Assessment of performance of various polymers in HMX and TATB based Polymer bonded Explosives (PBXs) for its long term storage applications	A	P
104898	293	Ajay D. Kshirsagar, Vikas V. Gite, Dilip G. Hundiwale & Pramod P. Mahulikar	North Maharashtra University	Microwave assisted synthesis of glycidyl azide polymers-triol (GAP-triol) using polyepichlorohydrin-triol (PECH-triol) as an energetic polymer	A	O
554690	294	Ajay D. Kshirsagar, Vikas V. Gite, Dilip G. Hundiwale, Dilip M. Badgujar & Pramod P. Mahulikar	North Maharashtra University	Synthesis and characterization of poly(allyl azide-tetrazole) (PAAT) as an energetic polymer	A	P
279573	295	Tejasvi K & V Venkateshwara Rao	ASL Hyd	Propellant - Inhibition Interface Bonding - HTPB Based Composite Propellant	A	P
212087	296	Murugan Thangadurai, Sudipta De, Abhishek Kundu, Ankush Sharma, Inderpal Singh Sandhu & D R Saroha	CSIR-CMERI	Interaction of a shock tube generated blast wave with solid obstacles	A	P
908573	297	Ghanshayam Malviya, Yatindra Kumar Sahu, Ramesh Banoth, Manish Badwani & Deo Kr. Verma	SFC Jagdalpur	Enhancement In Burn Rates Of Composite Propellant Using High Surface Area Pyral Al: An Approach For Achieving Higher Shelf Life	A	P
383358	298	Renganathan K, Renjith S & Sarangapani G	VSSC ISRO	Development of Viscoelastic Stress Analysis Capability for Structural Integrity Assessment of Solid Propellant Grains	A	P
662095	299	Vandana P. Arya, Priyanka, Gurvinder Kaur, Rajesh Kumar, Suman Singh & P K Soni	TBRL Chd	Preparation And Characterization Of Nano HNS	A	O

50298	300	Rajesh Kumar, Vandana P. Arya, Gurvinder Kaur, P.K Soni & Vasundhra Singh	TBRL Chd	Effect Of Fluoro And Silicone Based Polymeric Binder On Impact And Friction Sensitivity Of High Explosives	A	P
146710	301	Priyanka, Vandana P. Arya, Gurvinder Kaur, Rajesh Kumar, Suman Singh & P.K Sonia	TBRL Chd	Study on Accelerated Ageing of HMX, Viton and their PBX by Vacuum Stability Thermal Testing	A	P
	303	Baykov A.V., Olesova N.I., Shihovtsev A.V., Razmyslov A.V., Toktaliev P.D., Yanovsky L.S.	Russia	Research on solid propellant burning process in low temperature gas generator	A	O
	304	N.N. Volkova, G.V. Shilov, A.I. Kazakov, A.I. Karelin, A.V. Shastin	Russia	Sublimation and thermal decomposition kinetics of 1,1-diamino-2,2-dinitroethene (FOX-7)	A	O
	305	Ruchi Joshi, Bhupinder Sewak, Ritu khurana, US Prasad, AC Sharma	TBRL Chd	Experimental Investigation of slow Cook-off for IM Compliance	A	P
	306	Alexander Lukin	Russia	Self-Organized Micro-Scale Oscillatory Systems of the Reactionary Zones and Concept of the Smart Solid Micro-Propulsion system	A	O
	307	Victor Abrukov, Michail Kiselev, Darya Anufrieva	Russia	Artificial Neural Networks Models of Energetic Materials Combustion	A	O
	308	H. B. Panda	OFB Bolangir	Synthesis, characterization and performance study of inorganic high energy nanocomposites materials	A	P
	309	N.V. Yudin, V.I. Kolesov, A.N. Konovalov, L.V. Bachurin, V.A. Ulianov	Russia	Spectral properties of energetic materials and their heating by the near IR laser	A	O