

PROGRAMME SCHEDULE

Day 1 : 16 December 2019 (Monday)

Time (hrs)	Event	Venue
0830 – 0930	Registration	SAC
0945 – 1120	Inauguration	
1130 – 1200	High Tea	
1130 – 1200	Expo Inaugural + Posters	K V Ground
1200 – 1245	Plenary Session – PS I	SAC
1245 – 1330	Plenary Session – PS II	
1330 – 1430	Lunch	IC & SR
1430 – 1600	Industry Meet	
1600 – 1615	Tea	
1615 – 1700	Plenary Session – PS III	
1700 – 1800	General Body Meeting	
1800 – 1900	Cultural Program	SAC
1930 – 2230	Banquet Dinner	The Westin, Velachery

Posters Schedule (Venue: Hall 4, IC & SR)

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All the Posters for Day 1 (16th December 2019) should be on the panels before 0930 hrs

S.no	Paper ID	Title of the Paper & Authors
I. INSENSITIVE & GREEN PROPELLANTS		
1.	PA-001	Development of Synthetic Route for 3, 6-Dinitro-1, 4-Dihydropyrazolo [4, 3-C] Pyrazole (Dnpp), An Insensitive Explosive and Synthon For Novel Explosives <i>Khaja Mohammed, Anuj A Vargeese</i>
2.	PA-002	Some investigations and theoretical studies on nano energetic developments of ecofriendly propellants <i>Dr. T.V. Karthikeyan</i>
3.	PA-003	Synthesis and Characterization of Potassium 4,6-Dinitro-7-Hydroxybenzofuroxan (KDNP): A Lead Styphnate Replacement for Initiator Applications <i>M. Anniyappan*, P.U. Karabal, Arjun Dutta, J.K. Nair and S.D. Kakade</i>
4.	PA-004	C-N Linked Biheterocyclic compound for Secondary Explosive Applications <i>Muntha balaraju, N. Kommu, V.Srinivas, Akhila K. Sahoo</i>
5.	PA-005	Isoconversional analysis on the non-isothermal decomposition kinetics of high energy oxidizer: potassium dinitramide (KDN) <i>Santhosh. G, Soumyamol P.B, Sreejith. M, Reshmi. S</i>
6.	PA-006	A practical synthesis of the high energy compound 3,4,5-trinitropyrazole towards applications as an insensitive explosive <i>M. Shivanand, K. Durga Rani, V. Neeraja and Sudha Kumaraswamy</i>
II. COMBUSTION, THERMAL & BALLISTIC PROPERTY STUDIES		
1.	PB-001	Characterization Studies of Different L/D Non-Circular Orifice Showerhead Injectors <i>V.Vani Pooja and Rajiv Kumar</i>
2.	PB-002	Effect of Multi-Location Swirl Injection on the Performance of Hybrid Rocket Motor <i>Bala Vignesh D and Rajiv Kumar</i>
3.	PB-003	Studies of Liquid Jet Atomization Through Non- Circular Orifices <i>V.Vani Pooja and Rajiv Kumara</i>
4.	PB-004	Decomposition Mechanism of Cl-20 By TG-FTIR and High-Resolution Mass Spectrometry <i>Macharla Arun Kumar, Parimi Ashutosh, Anuj A. Vargeese</i>
5.	PB-005	Variability Statistics of Burning Rate Data of Composite Propellants Acquired from Acoustic Emission based Strand Burner <i>Ehtasimul Hoque, Chandra Shekhar Pant, Sushanta Das</i>
6.	PB-006	Measurement of residue oxide particle size distribution from Ballistic evaluation motor tests <i>Robin Rathi, Mrinmoy Biswas, M.Ratnam, Manu Prasad, S.R.Chakravarthy, K.Jayaraman</i>
III. PYRO TECHNIQUES & CIVIL EXPLOSIVES		
1.	PC-001	Design and Development of Machining Methodology and related fixture for internal Serration of 81 mm Smoke Grenade <i>D Debnath, K B Jadhav, S M Mali, S P Patil, C R Daware, A K Vishwakarma</i>
2.	PC-002	Studies on Magnesium Based High Temperature Producing Compositions <i>Brijesh Bora, AG Nagarkar, RK Sinha</i>
3.	PC-004	Standardisation of Pyros to 1A-1W No Fire rating in Sounding Rockets <i>Dr. Rani Krishnan K. R., Vikram T., Vibhav Kumar., Neethu T. K. Sibapadapal, Kumar H., Vinod Kumar N. Purushothaman P, Mohan M.</i>

S.no	Paper ID	Title of the Paper & Authors
IV. SYNTHESIS, CHARACTERIZATION & STRUCTURAL ANALYSIS OF HEMS		
1.	PD-001	Design and Synthesis of a novel Fluoro-Nitro High Energetic Plasticizer <i>Harish Keerthi, Vadla Pallavi, Balaka Barkakaty</i>
2.	PD-002	Laser induced Blow-off shock waves from Metals and dielectrics: Effect of depth of focus <i>Nagaraju G, DPSL Kameswari, S Sai Shiva, J. Praveen Kumar, Balaka Barkakaty and S Sree Harsha, P Prem Kiran</i>
3.	PD-003	Emulsion crystallization based prilling method for the morphology control of ammonium dinitramide (ADN) <i>Aajanna Gugulothu, Anuj A Vargeese</i>
4.	PD-004	Solvent/ Antisolvent method for the production of high purity - morphology controlled Ammonium Dinitramide (ADN) <i>Rajanna Gugulothu, Sunil Kumar Singh, Jaivindra Singh, Anuj A Vargeese</i>
5.	PD-005	Droplet combustion studies on novel energetic compounds in enriched oxygen environments <i>Anand Sankaranarayanan, Sohan Lal, I.N.N.Namboothiri, Sasidharakurup Reshmi, Arindrajit Chowdhury, Neeraj Kumbhakarna</i>
6.	PD-006	Synthesis of Hydroxyethyl Functionalized Tetrazoles and Its Application as Novel Energetic Binders <i>Dinesh Kumar Ch., Rajanna Gugulothu, Anuj A Vargeese</i>
7.	PD-007	Efficient Synthesis and Exploration of Energetic Properties of 1-Methyl-2,3,4,5-Tetranitropyrrole <i>Vikranth Thaltiri, Shanmugapriya V, Pradeepta K. Panda</i>
V. ROCKET PROPELLANTS		
1.	PE-001	Self Healing Composite Solid Propellant <i>Akash Dhas, Shrutika Shrirao, Shaibal Banerjee</i>
2.	PE-002	Experimental Study on Mechanical and Ballistic properties of HTPB composite Solid Propellant affected by moisture <i>Deokumar Verma, Sanjay Kumar Sahoo, Hari Singhb, M.V.L. Ramesh, J.C. Chaudharyd</i>
3.	PE-003	Studies on ageing and spatial variation of burning rate in a catalyzed AP-HTPB composite propellant grain <i>Pooran Singh, Lakshmi Kanth R V, Dirгим Babu M, Thanooob AA, Mathew P Daniele, Sathis Kumar PS, Sojan P, Umasankar S</i>
4.	PE-004	Studies of Wax-Ammonium Perchlorate Based Fuel for Hybrid Rocket Applications <i>Mengu Dinesh, Rajiv Kumar</i>
5.	PE-005	Tailoring the Formulations of Composite Solid Propellant from Uncured Slurry with Different Stoichiometry: A Time Saving Approach for Large Scale Production <i>Abhay K Mahanta, SK Sahoo, GS Rana, P Singh, and MVL Ramesh</i>
6.	PE-006	Effect of Solid Filler Particle Size on Packing Density, Mechanical Properties and Ballistic Characteristics of Composite Solid Propellant <i>Shaik Mujeeb, Ramakrishna S, Ganesan M, Nazar A. Baker, Tushar S. Bhatt Tushar</i>
7.	PE-007	Insights into strain rate and temperature dependence of filler-binder dewetting phenomena in composite solid propellants <i>Suhas Mukherjee, Ganesan M, Tushar Bhatt</i>
8.	PE-008	Review on Tri propellant Engine Option for Single Stage to Orbit Launch Vehicles <i>AV Santhana Babu</i>
9.	PE-009	Coating Studies on Fine Ammonium Perchlorate <i>Sonu P Sasi, Dr. Lakshmi VM, Rajesh EK, Umasankar S</i>

S.no	Paper ID	Title of the Paper & Authors
VI. HIGH EXPLOSIVES		
1.	PF-001	Ground Shock Effects of Ammunition buried in Sand <i>R K Singh, Priyavrat Sharma, T A Khan, Anil Kumar, Rajesh Mishra, P K Thakur, Ashok Kumar, P R Lonkar, Chandan Kumar, R K Tanwar</i>
2.	PF-002	Experimental Evaluation of Blast Pressure Profile from Detonation of Bare Charge and 81 mm Mortar in Sand <i>Nayan Bhati, Meeta Baghel, Anil Kumar, Rajesh Mishra, P K Thakur, Ashok Kumar, P R Lonkar, Kapil Garg, Dinesh Chauhan, R K Tanwar</i>
3.	PF-003	Effect of Aluminium Content on Relative Detonation Pressure of Polymer Bonded Explosive Formulations <i>P.P. Vadhe, M. Suresh, N.H. Rahujade, U.S. Prasad and R.K. Sinha</i>
4.	PF-004	Development of MTV igniter compositions for new generation of energetic propellants <i>S A Phatak, V S Bhingarkar, Navinkumar Dahiwal, S N Jawalkar, S D Kakade & KPS Murthy</i>
5.	PF-005	Studies on RDX/TNT Based Shaped Charges as Demolition Device <i>V S Joshi, M W Barve, V M Kugaonkar, R K Garg, A G Nagarkar, R K Sinha and KPS Murthy</i>
6.	PF-006	Effect of FOX-7 on Thermal Decomposition of HMX. <i>MSSNM Santosh, VS Sadavarte, D Bhowmik, A Dutta, SM Pande, PS Kulkarni</i>
VII. MODELING AND SIMULATION		
1.	PH-001	Molecular design and theoretical properties of Nitramine based molecules as potential High Energy Materials <i>Parimi Ashutosh, Satheesh Maroju and Rajasekhar Koorella</i>
2.	PH-002	Uni-molecular degradation studies of BIS (3,4,5-trinitro-1h-pyrazol-1-yl) Methane: a computational approach <i>Parimi Ashutosh, Nagarjuna Kommu, Anuj A Vargeese</i>
3.	PH-003	Modeling and simulation for prediction of rupture pressure and safety distance requirements for underground explosive storage structure <i>Rajesh Mishra, Priyavrat Sharma, Kapil Garg, Subha K Sengupta, R K Tanwar</i>
4.	PH-004	Simulation of High Velocity Projectile (SAAW) against target of variable thickness <i>Priyavrat Sharma, Rajesh Mishra, Kapil Garg, Subha Kumar Sengupta, R K Tanwar</i>
5.	PH-005	Simulation of multi segment launch device for prediction and direction and ejection velocity of fragments. <i>Pankaj K Choudha, A Kumaraswamy</i>
VIII. QUALITY ASSURANCE & DETECTION OF EXPLOSIVES		
1.	PI-001	Quality Control Tools for Explosive Pressed Boosters <i>Biswa Ranjan Mohanty, Ansif Jaseem VP</i>
2.	PI-002	Bio-aerosol sensing using Acoustic emissions from femtosecond laser filaments <i>Manikanta Elle, Samuel Anurag N, S. Sree Harsha and P. Prem Kiran</i>
3.	PI-003	Femtosecond Filamentation for the detection of biological warfare agents (Riboflavin) <i>Samuel Anurag Nalam1, S. Sree Harsha1 and P. Prem Kiran</i>
4.	PI-004	Low Cost, Versatile SERS Substrates for Explosives Detection Using a Portable Raman Spectrometer <i>M.S.S. Bharati, C. Byram, D. Sharma, B. Barkakaty, S. Venugopal Rao</i>
5.	PI-005	Standoff detection of explosives using laser induced breakdown spectroscopy <i>Rajendhar Junjuri, G. Arun Prakash, Sai kowroju, Akash kumar Tarai and Manoj Kumar Gundawar</i>
6.	PI-006	Fluorescence Quenching Studies on Organic Acids <i>Parvathi Patil, Lakshmidivi V and Venkataraman A</i>
7.	PI-007	NDT of High Web Thickness and High Shell Thickness Solid Rocket Motors by X-ray Radiography <i>Khan Lubna S, Mali Umesh, Ghosh N K, Seshadri S</i>
8.	PI-008	Development of Methodology for Machining of Straight Deep Radial Groove in a Conical Rocket Motor <i>Shadab Khan, Ashish Hinge and Tv Jagadeeswar Rao</i>