

Topic: Solid Forms (SF)

Poster No	Title	Authors
SF 1	Homopolar Dihydrogen Interactions in Supramolecular Architecture of Propano-Bridged-Indigo crystals: Structural and theoretical studies	Bidyut Das, Ankur Kanti Guha and Abdul Wahab
SF 2	Evaluation of fluorine mediated intermolecular interactions in tetrafluorinated tetrahydroisoquinoline derivatives: Synthesis and Computational Studies	Labhini Singla, Hare Ram Yadav and Angshuman Roy Choudhury
SF 3	Charge transfer complexes as colour changing and disappearing–reappearing colour materials	Durgam Sharada, Arijit Saha and Binoy K. Saha
SF 4	Directionality of P...O pnicoen bonding in light of geometry corrected statistical analysis	Arijit Saha, Ragima V. P. Veluthaparambath and Binoy K. Saha
SF 5	Halogenated dihydroquinolinones derivatives under structural characterization	Wesley F. Vaz and H. B. Napolitanoa
SF 6	Combining Optical Properties with Flexibility in Halogen Substituted Benzothiazole Crystals	Nipun P Thekkeppat, Soumyajit Ghosh
SF 7	Utility of Robust Sulfonate....Pyridinium Supramolecular Synthon For Designing of Bespoke Materials	Arshid Ganie, and A. Dar
SF 8	Supramolecular Gels of Niflumic acid for Topical Drug Delivery	Sudhir Mittapalli, M. K. Chaitanya Mannava, Rasmita Sahoo, and Ashwini Nangia
SF 9	Synthesis and Growth of Versatile Systems based on Amino Acid Derivatives: from Supramolecular Organogels to Hierarchical Superstructures and Single Crystals	F. Movilla, J.M. Rey, C. Huck-Iriart and Florencia Di Salvo
SF 10F	Co-crystallization and whole molecule disorder of two indoloacridines	Makuteswaran Sridharan* and Matthias Zeller
SF 11	Study of Photo-Physical Behavior of a Polymorphic Organic Fluorophore	Poonam Deka and Ranjit Thakuria
SF 12	New Salts of Levofloxacin with Physiochemical, Structural and Biological Insights	Mayank Joshi, Aakanksha Gulati, Indu Verma, Chesta Budhwar, Susmita Rani, Kaisar Raza, Arunika Mukhopadhaya and Angshuman Roy Choudhury
SF 13	Polymorphism in Sn(IV)-Tetrapyridyl Porphyrins with a Halogenated Axial Ligand: Structural, Photophysical, and Morphological Study	Jyoti Rani and Ranjan Patra

SF 14F	Studies on Growth aspects and Microhardness Parameters of Self-assembled Supra Molecular Structure: 2-Carboxypyridinium dihydrogen phosphate (2-CDP)	H. Arul, E. Shobhana and R. Kannan
SF 15	Synthesis, Growth and characterization of 4-dimethylaminopyridinium salicylate monohydrate single crystals	A. Arunkumar, R. Subramaniyan Raja
SF 16	Anomalous Halogen–Halogen Interaction Assists Radial Chromophoric Assembly	Remya Ramakrishnan, M. A. Niyas, Vishnu Vijay, Ebin Sebastian and Mahesh Hariharan
SF 17F	Coordination Driven Unique [1+1] Ionic Self-Assembly Hexagonal Macrocycle and Its Antiproliferative Activity	Khushwant Singh and Neeladri Das
SF 18	Supramolecular Halogen Bonded Liquid Crystalline Study of Cyanoalkoxy Biphenyl System	Kapil S. Ingle, K. M. Bairagi, R. SathishKumar, R. Chennuru, and Susanta K. Nayak
SF 19	Halogen Bonded Polymorphism in Sn(IV)-Tetrabromophenyl Porphyrin Containing Flourinated Axial Ligand: Synthesis, Structure and Theoretical Study	Kumar Shivam, Ranjan Patra
SF 20	Coordination Complexes involving Unconventional Charge-assisted Hydrogen Bonds and T-shaped Nitrile···Nitrile Contacts: Antiproliferative Evaluation and Theoretical Studies	Pranay Sharma and Manjit K. Bhattacharyya
SF 21	Halogenation: a Mostly Unexplored Tool in Peptide Crystal Engineering	Andrea Pizzi, N. Demitri, L. Soria, G. Terraneo, P. Metrangolo
SF 22F	Growth and Characterization of binary mixed crystals of Calcium Barium Tartrate	P. Aji Udhaya*, M. Meena, M. Abila Jeba Queen, M. Mary Freeda
SF 23	Exploring the solid-state reactivity of AMO and urease inhibitors: cocrystallization of dicyandiamide with copper(II) inorganic salts	Lucia Casali, Dario Braga and Fabrizia Grepioni
SF 24	Improved Solubility and bioactivity of Theophylline (a Bronchodilator drug)	L.Mary Noveena, S. Athimoolam
SF 25	Co-crystal, Solvatomorph, and Polymorphism Study of Biological active Dihydropyrimidine Based Molecules	Keshab M.Bairagi, K. N. Venugopala, R. Bhowal, D. Chopra, and S. K. Nayak
SF 26	Tunable metallogel based on bifunctional ligand: Precursor metallogel, spinel oxides and environmental remediation	Noohul Alam and Debajit Sarma
SF 27	In situ photoswitching of spirorhodamines isomers in solid-state	J. Alday, M. Michel Torino, L. Alvarez, M. G. Lagorio, C. Huck Iriart, S. Suarez

SF 28	Beyond binary cocrystals: mechanosynthesis of eutectic solid forms of polycyclic aromatic hydrocarbons with enhanced solid-state properties	Zeinab Saeed, Bhausahab Dhokale, Abeer F. Shunnar, Hector H. Hernandez, and Sharmarke Mohamed
SF 29F	Combined experimental and theoretical investigation on novel potential organic nonlinear optical single crystal: L-proline hydrate grown by solution growth technique	V. Vetrivelan
SF 30F	C-demethylation and 1, 2-amino shift in (E)-2-(1-(3-aminophenyl) ethylidene)hydrazinecarboxamide to (E)-2-(2-aminobenzylidene)hydrazinecarboxamide	Sennappan. M*, Murali Krishna. P
SF 31	Pongamia pinnata as an alternative source for desulfurization of liquid fuels	Zakiullah Zaidi, Laxmi Gayatri Sorokhaibam
SF 32	Crystallization of diastereomeric salts: Kinetics vs thermodynamics	Vitaly Kovalenko
SF 33	Effects of co-crystallisation on structure and properties of a poorly soluble active pharmaceutical ingredient: an experimental and theoretical Evaluation	Joseph Cadden, Wim T. Klooster, Simon J. Coles, and Srinivasulu Aitipamula
SF 34	Natural antibacterials meet a synthetic antibiotic: cocrystals of carvacrol/thymol and ciprofloxacin with promising activity enhancement	Oleksii Shemchuk, S. d'Agostino, C. Fiore, F. Grepioni and D. Braga
SF 35	Metastable Chiral Azobenzenes Stabilized in a Double Racemate	Devika Sasikumar, Amalu Mohan, Vinayak Bhat and Mahesh Hariharan
SF 36	Influence of Halogen on Schiff base (salicylideneaniline) compounds: Synthesis, Growth and characterization	Sundararaman Leela, U. Poomalai, Velvizhi and Dhanushiyadevi. C
SF 37	New Pentoxifylline polymorphs investigated by green methodology	Jéssica Fonseca, Alejandro P. Ayala
SF 38	Structural Characterization and Optical Properties of Halogen Bonded BODIPY Supramolecular Polymers	Giancarlo Terraneo, A. Pizzi, M. Palizzi, N. Demitri and P. Metrangolo
SF 39	Synthesis and crystal structure of two novel organic compounds: Hirshfeld surface analysis of intermolecular interactions	Saima Kamaal, Musheer Ahmad
SF 40	A new first generation amphiphilic dendron: synthesis, solid state characterization, and self-assembling properties	Marta Rosati, G. Neri, G. Cavallo, F. Baldelli Bombelli, A. Pizzi, N. Demitri, and P. Metrangolo

SF 41	Superfluorinated and Fluorescent Nanosystems for Diagnostic Imaging	Lorenzo Sori, M. I. Martinez Espinoza, A. Pizzi, G. Terraneo, I. Moggio, E. Arias, G. Pozzi, S. Orlandi, V. Dichiarante, P. Metrangolo, M. Cavazzini, F. Baldelli Bombelli
SF 42	Co-crystallization of the antibacterial Proflavine with inorganic salts: paving the way to activity enhancement	Cecilia Fiore, Oleksii Shemchuk, Dario Braga, Fabrizia Grepioni, Raymond J. Turner
SF 43	Cocrystal polymorphs and solvates of the anti-Trypanosoma cruzi drug benznidazole	Beatriz Bezerra P., Ayala. A. P. and Vidal. LMTb
SF 44	Investigation of new crystalline forms of riparins	Laura Maria Teodorio Vidal, B. Beatriz and A. Ayala
SF 45	Multifunctional properties of highly fluorescent ferroelectric materials	Rekha Kumari, T. N. Guru Row
SF 46	Through-space aromatic character in excimers	Vishnu Vijay, Meera Madhu, Remya Ramakrishnan, Alfy Benny and Mahesh Hariharan
SF 47	Structure-Packing-Property Correlation of Self-Sorted vs. Interdigitate Assembly in TTF-TCNQ Based Charge-Transport Materials	Vishnu Vijay, Remya Ramakrishnan, M. A. Niyas, and Mahesh Hariharan
SF 48	Crystal Engineering with Isosteric Triether and Triamine linked Tri-carboxylic Acids: Iso-structurality and Synthons Interplay in their Co-crystals and Salts	Debarati Das, and Kumar Biradha
SF 49	Photoprotection of UVA-UVB filters via host-guest chemistry	Alessandra Azzali, Lucia Casali, Paola Taddei, Simone D'Agostino, Fabrizia Grepioni
SF 50F	Design and Construction of Vertical Semi Transparent Bridgman Setup	A. Saranraj, S. A. Martin Britto Dhas
SF 51	Synthesis and crystallographic, spectroscopic, and computational characterization of 3,3',4,4'-substituted biphenyls: effects of OR substituents on the intra-ring torsion angle	N. Vadra a, S. Suarez*, L. Slep, V. Manzano, E. Halac, R. Baggio*, and F.D. Cukiernik
SF 52	Synthesis of a colorimetric- real time chemosensor: characterization-crystallographic, TD/DFT studies and mechanistic insights of sensing	Sonam Shakya and Ishaat M. Khan
SF 53	Heteroaryl chalcone, a crystallography approach	Pollyana P. Firmino and H.B Napolitano
SF 54	Supramolecular synthons approach towards synthesis of eutectics vs cocrystals	Trishna Rajbongshi and Ranjit Thakuria
SF 55	Achieving current rectification ratios ≥ 105 across thin films of coordination network	Anupam Prasoon, Nirmalya Ballav

SF 56	Observation of p-hole in a new co-crystal hydrate of Gallic acid with Pyrazine : Experimental charge density analysis combining Multipole model(MM), Maximum Entropy method(MEM) and X-ray wave function refinement (XWR)	Rumpa Pal, Christian Jelsch, Koichi Momma, Simon Grabowsky
Topic: Frameworks (FW)		
Poster No	Title	Authors
FW 1	Effect of heteroatom position on structure and assembly of Aromatic Bisphosphonate - Polyoxovanadate complexes	Dewendra Thakre, Abhishek Banerjee
FW 2	Fabrication of Porous Chiral Coordination Polymer exhibiting Ferroelectric and selective CO ₂ gas adsorption	Arif Ali and Musheer Ahmad
FW 3	Construction of 3D Bifunctional Metal-Organic Frameworks (MOFs) for Selective Capture and Utilization of Carbon Dioxide at RT	R. Das; C. M. Nagaraja
FW 4	2D- MOFs as Efficient Heterogeneous Oxygen Evolution Electrocatalysts	Anindita Goswami and Kumar Biradha
FW 5	Designing Semiconducting Amine Templated Hybrid Frameworks Materials for Colossal Dielectric Responses and Related Properties	Tanmay Rom and Avijit Kumar Paul
FW 6	Structural organization in manganese (II) carboxylates based coordination polymers	Bharti Singh and A. Ramanan
FW 7	Selective Guest Responsive Excited-State Intramolecular Proton-Transfer (ESIPT) Phenomenon in MOFs for its Applications in Sensing	Arijit Halder and Debajyoti Ghoshal
FW 8	Zwitterion π -conjugated network polymer based on guanidinium and β -ketoenol as a heterogeneous organo-catalyst for chemical fixation of CO ₂ into cyclic carbonates	Mousumi Garai, Vepa Rozyyev, Zakir Ullah, Aqil Jamal, Cafer T. Yavuz
FW 9	Nickel(II) complexes based on L-amino acids derived ligands: synthesis, characterization and study of the role of the supramolecular structure in the carbon dioxide capture	A. Rivas Marquina, F. Movilla, O. Sánchez Montilva, E. Rentschler, L. Carrella, P. Albores, and F. Di Salvo
FW 10	A Neutral 1D-Perovskite Type ABX ₃ Ferroelectric with High Mechanical Energy Harvesting Performance	Swati Deswal, S.K. Singh, R. Pandey, D. Kabra*, B. Praveenkumar*, S.B. Ogale* and R. Boomishankar

FW 11	Anilate Tethered Neutral Tetrahedral Pd(II) Cages Exhibiting Selective Encapsulation of Xylenes and Mesitylene	Ashok Yadav, Meghamala Sarkar, and Ramamoorthy Boomishankar
FW 12	Mixed Ligand Coordination Polymers for Metallogelation and Iodine Adsorption	Swapneswar Mondal, Parthasarathi Dastidar
FW 13	A New Lead(II) Coordination Polymer derived from Second generation O-methylpyridyldithiocarbonate	Pooja Singh, Amita Singh, Gabriele Kociok-Köhn, and Abhinav Kumar
FW 14	The Design of Metal-Organic Frameworks Using Flexible and Extendable Tetracarboxylic Acid Linkers Enriched with Embedded Cyclohexyl Amines	Ali Y. Chahine, David R. Turner and Stuart R. Batten
FW 15	Unprecedented designing of a new metal-organic polymer material with excellent photodegradation property toward hazardous dyes in aqueous phase	M. Shahnawaz Khan, Mohd Khalid, M. Shahid
FW 16	Impact of Structural Dynamicity towards Proton Conductivity and Different Sorption Study of a Mixed Ligand Coordination Polymer	Saheli Ghosh, Dilip Kumar Maity, Debajyoti Ghoshal
FW 17	Amino and Sulfonate Functionalized Metal-Organic Framework for Fabrication of Proton Exchange Membranes	Rajib Moi and K. Biradha
FW 18	Design and synthesis of Zn(II)-coordination polymers anchored with NSAIDs: Metallovesicle formation and multi-drug delivery	Sourabh Bera, A. Chowdhury, K. Sarkar and P. Dastidar
FW 19	Engineering multidimensional solids based on inorganic molecular ruby	Shailabh Tewari, and Arunachalam Ramanan
FW 20	Functionalized Cu-MOF@CNT Hybrid: Synthesis, Crystal Structure and High-Performance Supercapacitors	Shagufi Naz Ansari, Shaikh M. Mobin
FW 21	Synthesis of Transition metal – Polythiometalate derivatives for Possible use as Adsorption Catalysts	Yesleen Gupta and Abhishek Banerjee
FW 22	Urea metal-organic frameworks as chemical sensors and heterogeneous organocatalyst	Alireza Azhdari Tehrani, Ali Morsali
FW 23	Lewis Acidic Center-based Catalysis through Coordination Polymers	Nikhil Kumar and Avijit Kumar Paul
FW 24	One pot hydrothermal synthesis of two new Keggin based hybrid compounds and their potential as an electrocatalyst for water reduction	Chandani Singh, A. Haldar and S. K. Das
FW 25	Crystal engineering of pillared-layer structure for gas sorption	Manisha Jadon, Tapan Bera and A. Ramanan

FW 26	Single-Crystal-to-Single-Crystal syntheses of two Cross-laminated 1D-polymers via Topochemical Azide-Alkyne Cycloaddition Reaction	V. Athiyarath, a and K. M. Sureshan
FW 27	Solvent Based Crystal Engineering Approach to Induce Spin Crossover	B. Dey, and S. Konar
FW 28	Single-Crystal-to-Single-Crystal (SCSC) Transformation by Ligand Insertion in 2D layer Cu-MOF1	Ravinder Kumar, Anoop Gupta and Shaikh M. Mobin
FW 29	Photosalient molecular actuator crystals of the Zn(II) metal complexes	Geetha Bolla, Jagadese J. Vittal
FW 30	Zinc(II) based 1D coordination polymers with flexible organic linker: effect of $\pi \cdots \pi$ interactions on charge transport property	Samim Khan, Mohammad Hedayetullah Mir
FW 31F	Morphological Evolution of Two-Dimensional Porous Hexagonal Trimesic Acid Framework	Srinu Tothadi, K. Koner, K. Dey, M. Addicoat and R. Banerjee
FW 32	A Mechanistic Perspective on Plastically Flexible Coordination Polymer	Biswajit Bhattacharya, Adam A. L. Michalchuk, Franziska Emmerling
FW 33	Reactivity, bonding and structural elucidation of pendant methylpyridinato β -diketiminato ligand moiety	S. Pahar, S. S. Sen
FW 34	Multiphoton-Pumped Highly Polarised Polariton Microlaser and Multimode Exciton-Polaritons from Single Crystals of a Rhodamine B - Coordinated Metal-Organic Framework	Mayank Gupta, D. Kottilil , P. K. Bharadwaj* and W. Ji

Topic: Methods (ME)

Poster No	Title	Authors
ME 1	GRAS List – The Crystal Engineering Point of View	Tobias Heinen and V. Vasylyeva
ME 2	Hirshfeld Surface Analysis and DFT Calculations of N ⁺ -(2,6-Dimethylheptan-4-ylidene)ethanethiohydrazide	Lohith T. N., Nagaraju S., and Sirdhar M. A.
ME 3	Hirshfeld surface analysis and quantum mechanical calculations of a chalcone derivative	Akhileshwari P., and Sridhar M. A.
ME 4F	Using Quantum Crystallography to Rationalise the Formation and Properties of Pharmaceutical Co-Crystals	Wim T. Klooster, Lucy K. Mapp, Joseph Cadden, M. B. Pitak, Simon J. Coles, and Srinivasulu Aitipamul
ME 5F	Prediction of Solid-State Properties of Co-crystals: ANN Models	Rama Krishna Gamidi, Å. C. Rasmuson

Topic: Mechanical Properties

Poster No	Title	Authors
MP 1	Mechanically Dual Responsive Molecular Crystals	Ragaverthini Chinna Samy and Soumyajit Ghosh
MP 2	Mechanochemical screening of Ternary Molecular Ionic Cocrystals	Abeer F. Shunnar, Bhausahab Dhokale, Durga Prasad Karothu, David H. Bowskill, Isaac J. Sugden, Hector H. Hernandez, Panc̃e Naumov, and Sharmarke Mohamed
MP 3	Mechanically interlocked architecture aids an ultra-stiff and ultra-hard elastically bendable cocrystal	Somnath Dey*, Susobhan Das, Nobuhiro Yasuda and C. Malla Reddy
MP 4	Mechanophotonics: Flexible Single-Crystal Organic Waveguides and Circuits (by Surojit Bhunia)	Mari Annadhasan, Abhijeet R. Agrawal, Surojit Bhunia, Vuppu Vinay Pradeep, Sanjio S. Zade,* Chilla Malla Reddy,* and Rajadurai Chandrasekar
MP 5	Mechanophotonics: Flexible Single-Crystal Organic Optical Waveguides and Circuits (by Mari Annadasan)	Mari Annadhasan, Abhijeet R. Agrawal, Surojit Bhunia, Vuppu Vinay Pradeep, Sanjio S. Zade, C. Malla Reddy, and Rajadurai Chandrasekar
MP 6	Rotation of a helical coordination polymer by mechanical grinding	Bibhuti Bhusan Rath, Goutam Kumar Kole, Samuel Alexander Morris, Jagadese J. Vittal
MP7	Effect of Solvent Polarity and dipole moment in the Preparation of Conglomerate vs. Racemate using Mechanochemistry	Kashyap Kumar Sarmaha and Ranjit Thakuria
MP8	Photosalient molecular actuator crystals of the Zn(II) metal complexes	Geetha Bolla and Jagadese J. Vittal
MP9	Metal-like Ductility in Organic Plastic Crystals	Amit Mondal, Biswajit Bhattacharya, Susobhan Das, Surojit Bhunia, Rituparno Chowdhury, Somnath Dey and C. Malla Reddy