

Invited

S.No	Title	Author/Authors	Speakers
1	Observation of crystal defects in SiC lowering the Schottky barrier by the electrochemical deposition	Masashi Kato	Dr.Masashi Kato Department of Engineering Physics Electronics and Mechanics Nagoya Institute of Technology
2	Unidirectional growth of crystals from solution and its applications	P.Ramasamy	Dr.P.Ramasamy SSN College of Engineering Kalavakkam-603 110, Tamilnadu E-mail: ramasamp@ssn.edu.in
3	Piezoelectric Materials and its Device Applications	V. Natarajan	Dr.V. Natarajan Naval Physical & Oceanographic Laboratory, Thrikkakara, Kochi – 682021 Email: natarajan_vinay@yahoo.com
4	In-house developed Multicrystal X-ray diffractometer and its role in crystal growth activity in India	G. Bhagavannarayana	Dr.G. Bhagavannarayana Materials Characterization Division, National Physical Laboratory, Council of Scientific and Industrial Research, Dr. K.S. Krishnan Road, New Delhi –110 012 E-mail: bhagavan@mail.nplindia.ernet.in
5	Recent Progress in Crystallization: Chemical Bonding Theory of Single Crystal Growth and its Applications	Dongfeng Xue	Dr.Dongfeng Xue Department of Materials Science and Chemical Engineering, School of Chemical Engineering, Dalian University of Technology, Dalian 116012, China
6	Unidirectional growth of L-asparagine monohydrate single crystals along [011] by SR method and their characterization	K.K. Maurya, Mohd Shakir, B. Riscob, V. Ganesh, M.A. Wahab and G. Bhagavannarayana	Dr.K.K. Maurya Materials Characterization Division, National Physical Laboratory, Council of Scientific and Industrial Research New Delhi 110 012, India

7	Crystal growth and anisotropic magnetic properties of AFe ₂ As ₂ (A = Ca, Sr and Eu)	A. Thamizhavel	Dr. A. Thamizhavel Department of condensed matter physics and materials science, Tata institute of fundamental research, Colaba, Mumbai.
8	Theory of magnetization in p-type Pb _{1-x} Mn _x S	R L Hota and B K Sarkar	Dr.B K Sarkar VIT university, Vellore – 632014, Tamil Nadu
9	Anisotropic lattice diamagnetism in p-type Pb _{1-x} Mn _x S	R L Hota	Dr.R L Hota School of Advanced Sciences VIT University, Vellore – 632014, Tamilnadu
10	Thermal, mechanical and electrical characterization of HBST and 3 -HBST Single crystals for nonlinear optical applications	K. Jagannathan and S. Kalainathan	Dr.K. Jagannathan Faculty of Engineering and Technology, SRM University, Vadapalani, Chennai – 600 026
11	Crystallization of amino acids from solutions	K. Srinivasan	Dr. K. Srinivasan Crystal Growth Laboratory Department of Physics, School of Physical Sciences, Bharathiar University, Coimbatore-641 046
12	Development of systems and process technology for ultra-high purification of Gallium for emerging GaAs epitaxial Nano-Electronics technologies – an indigenous effort	V. N. Mani and S. Dhar	Dr.V. N. Mani Ultra Pure Materials Laboratory, Centre for Materials for Electronics Technology(C-MET), IDA Phase - III, HCL Post, Hyderabad - 500051, India
13	A centrosymmetric crystal with SHG efficiency: Transition metal doped bis(thiourea)zinc(II) chloride crystals	Subbiah Meenakshisundaram G. Bhagavannarayan, B. Karthikeyan, K.Muthu and K. Nithya	Dr.Subbiah Meenakshisundaram Department of Chemistry, Annamalai University, Annamalainagar 608 002, India
14	Swift Heavy Ion Irradiation Studies on Semi-organic single crystals	R. Ramesh Babu	Dr.R. Ramesh Babu Department of Physics, Bharathidasan University, Tiruchirappallii-620 024. Email : rampap2k@yahoo.co.in.

15	Nanocrystalline semiconductors for optoelectronics and communication	S. Vathsal & Srinivas Mantha	Dr.S. Vathsal Former Director ER&IPR, DRDO HQ, New Delhi 110011
16	Growth of Cadmium Zinc Telluride (CZT) single crystals by Bridgman Oscillation (BRO) and Vertical Gradient Freezing (VGF) techniques and its Characterization analyses	N. Vijayan, E. Dieguez, V. Carcelen, K.K. Maurya, G. Bhagavannarayana	Dr.N. Vijayan National Physical Laboratory, Dr.K.S. Krishnan Road, New Delhi – 110 012. E-mail: nvijayan@mail.nplindia.ernet.in
17	Insitu FTIR measurement of Amylose Crystallization from Aqueous Solution	Perumal Ramasamy	Dr.Perumal Ramasamy Physics Department, Anna University, Chennai-600 025 E-mail: perumal.ramasamy@gmail.com
18	Uniaxial growth of several nonlinear optical single crystals	S. Jerome Das	Dr.S. Jerome Das Department of Physics Loyola College, Chennai 600 034, India Email: sjeromedas2004@yahoo.com, jerome@loyolacollege.edu.
19	Crystal Growth and Characterization of Relaxor Ferroelectric Materials	R. Dhanasekaran	Dr.R. Dhanasekaran Crystal Growth Centre, Anna University Chennai, Chennai 600 025. E-mail: rdhanasekaran@annauniv.edu
20	Electrochemical and Chemical Functionalization of Single Wall Carbon Nanotubes for the Development of Nanosensor Array	Mahendra D. Shirsat,	Dr. Mahendra D. Shirsat, Intelligent Materials Research laboratory, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad – 431 004 (MS) India
21	Deposition and characterization of ii-vi and iv-vi compound semiconductor thin films by chemical and physical methods	R. Gopalakrishnan	Dr.R. Gopalakrishnan Department of Physics Anna University Chennai, Chennai- 600 025. E-mail : krgkrishnan@annauniv.edu, krgkrishnan@yahoo.com

22	The study of photochromic effect in doped and codoped SLN crystals	G.Ravi	Dr.G.Ravi School of Physics, Alagappa University, Karaikudi-630 003, India. Email: raviganesa@rediffmail.com
23	Growth of Bulk KGW, Development of two dimensional KGd (WO₄)₂nanorods and their characterization	S.Moorthy Babu, D.Thangaraju and P.Samuel	Dr. S.Moorthy Babu Crystal Growth Centre, Anna University-Chennai Chennai-600025, India.
24	Growth of bimetallic thiocyanate single crystals from silica gel – Study of thermal and mechanical properties	P.Nisha Santha Kumari and S.Kalainathan,	Dr.P.NishaSanthaKumari Asso. Prof., Department of Physics, Auxilium college, Vellore-632014
25	Trend in Photocathode Materials and Fabrication	M.Thirumavalavan	Dr. M.Thirumavalavan, Central Research Laboratory, Bharat Electronics Limited, Bangalore
26	Growth and Characterisation of amino acid mixed urea Crystals	S.Kalainathan	Dr.S.Kalainathan School of Advanced Sciences, VIT University, Vellore-632014
27	Synthesis, growth, spectral, thermal, mechanical and optical properties of 4-chloro- 4 dimethylamino-benzylidene aniline crystal:A third order nonlinear optical material	S. Leela, K. Ramamurthi, G. Bhagavannarayana	Dr.K. Ramamurthi Crystal Growth and Thin Film Laboratory, School of Physics, Bharathidasan University, Tiruchirappalli 620024, Tamil Nadu, India
28	Growth and studies of NLO crystals for photonic technology.	P.Selvarajan	Dr.P.Selvarajan Department of Physics, Aditanar College of Arts and Science, Tiruchendur-628216, Tamil Nadu. E-mail: pselvarajanphy@yahoo.co.in
29	Growth and characterization of alkali - alkaline chloride single crystals	C. K. Mahadevan and N.Manonmani	Dr.C. K. Mahadevan Physics Research Centre, S.T.Hindu College Nagercoil-629002, Tamilnadu,

30	Synthesis of Novel Organic Optical Material & Role of Temperature Gradient and Growth Rate on Crystal quality	R. N. Rai	Dr.R. N. Rai Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi
31	Growth and characterization of mixed Glycine Sulphate (GSZ) crystals with non linear optical Characteristics	M M Khandpekar, S B Patil, S S Dongare and S P Pati	Dr.M M Khandpekar Material Research Lab, Birla College, Kalyan-421304 Email: dr_mmk1968@yahoo.com
32	Fungi Assisted Growth of Calcium Tartrate Crystals	M. J. Joshi, V. S. Joshi, B. B. Parekh	Dr.M. J. Joshi Crystal Growth Laboratory, Department of Physics, Saurashtra University, Rajkot 360 005
33	Preparation of nitride compound thin films by sputtering and the influence of deposition parameters on their properties	A. Albert Irudayaraj	Dr.A. Albert Irudayaraj Associate Professor Department of Physics Sacred Heart College Tirupattur
34	Crystal growth and studies on multiferroic DyMnO₃	Harikrishnan S., Suja Elizabeth, H. L. Bhat	Dr.H. L. Bhat Department of Physics Indian Institute of Science Bangalore 560012
35	Quantum dots: Growth and Characterisation	D.Arivuoli	Dr.D.Arivuoli Crystal Growth Centre Anna University, Chennai-600 025
36	Investigations on Biomineralisation	S.Narayana Kalkura	Dr.S.Narayana Kalkura Crystal Growth Center, Anna University, Chennai-600025 INDIA E- mail: kalkura@annauniv.edu
37	Studies on the Crystallization of Materials with Narrow Liquidus Lines: Spin Ladder Compounds La₄+4nCu₈+2nO₁₄+8n (n = 2 & 3) and CaCu₂O₃	C. Sekar	Dr.C. Sekar Department of Physics Periyar University, Salem-636 011, T.N
38	Uniformization of Dopant Distribution in Single Crystals Grown from Melt during Growth and after that	Ezheiyen, Mahdi	Dr.Ezheiyen, Mahdi Isfahan University, E.mail: ezheiyen_m@yahoo.com

39	Investigating the anisotropy in the growth kinetics of ZTS crystals	Sunil Verma	Dr.Sunil Verma Laser Materials Development & Devices Division, Raja Ramanna Centre for Advanced Technology, Indore 452013, MP Email: sverma@rrcat.gov.in,
40	Stabilized Growth of Barium Nitrate Crystal by Increasing the Ostwald-Miers Region	T. Bharthasarathy, P. Arulmozhihelvan P. Murugakoothan	Dr.P. Murugakoothan PG and Research Department of Physics, Pachaiyappa's College, Chennai – 600 030
41	Gallium nitride growth process in MOVPE and fabrication of LEDs	K.Baskar	Dr.K.Baskar Crystal Growth Centre, Anna University, Chennai 600 025, INDIA E-mail: baskar@annauniv.edu
42	High Temperature Solution Growth and Property Studies of LSMO Single Crystals.	R.Jayavel	Dr.R .Jayavel Director Centre for Nanoscience and Technology Anna University Chennai 600 025
43	Unidirectional KAP-substrates - Fabrication and its characterization	T.Prem kumar, G. Bhagavannarayana and K.Sankaranarayanan*	Dr. K.Sankaranarayanan School of Physics, Alagappa University, Karaikudi- 630003. E-mail: hhrsankar@yahoo.com
44	Role of stoichiometry in oxide crystals: LiTaO3 and LiNbO3	S. Ganesamoorthy, Indranil Bhaumik, R. Bhatt, A. K. Karnal and P. K. Gupta	Dr.S. Ganesamoorthy Laser Materials Development and Devices Division, Raja Ramanna Centre for Advanced Technology, Indore 452 013

45	Generation and Detection of Terahertz waves using Nonlinear Optical Crystals	S. Brahadeeswaran	Dr.S. Brahadeeswaran Department of Physics Anna University Tiruchirappalli Tiruchirappalli 620024
----	---	--------------------------	---