82nd Annual Session
INDIAN CERAMIC SOCIETY
9th & 10th January 2019
Jamshedpur, Jharkhand, India.

PROGRAM SCHEDULE

DAY - 1

Date: 09.01.2019; Venue: Hotel Wave International

Time	Event	
8 am - 9 am	**Registration**	
9 am - 10:30 am	**Inauguration**	
10:30 am - 11 am	**High Tea**	
11 am - 1 pm	**Plenary Lectures**	
1 pm - 2 pm	**Lunch**	
2 pm – 2:30 pm	**31st M. G. Bhagat Memorial Lecture**	
2 pm - 4:30 pm	**Plenary lectures**	
4:30 pm - 6 pm	**AGM of Indian Ceramic Society**	**Venue: Pool side conference room**
6 pm - 7 pm	**AGM of Indian Institute of Ceramic**	
7 pm onwards	**Cultural Programme (Sand Art and Gazal) & Cocktail Dinner**	

Plenary and memorial lectures

Lecture ID	Title	Speaker	Schedule
82-AS-2019-P01	Evolution of microstructure in developing high temperature resistant ODS alloys and laser assisted coatings	Prof. I. Manna	11:00 am - 11:30 am
82-AS-2019-P02	20 Years of Commercializing Medical Devices Using Nanotechnology	Prof. Thomas J. Webster	11:30 am - 12:00 pm
82-AS-2019-P03	Optical Fiber: Empowering a New Global Era	Dr. R. Sen	12:00 pm - 12:30 pm
82-AS-2019-P04	Mechanical activation of mineral bearing wastes in order to improve geopolymerisation -Energetic aspects	Prof. Gabor Mucsi	12:30 pm - 01:00 pm
Lunch break			01:00 pm - 02:00 pm
31st M. G. BHAGAT MEMORIAL LECTURE	Ultra high temperature ceramics (UHTC) for hypersonic space vehicles: opportunities and challenges	Prof. B. Basu	02:00 pm - 02:30 pm
82-AS-2019-P05	Recent Advances in Magnetoelectrics and Multiferroics Materials and Applications in Energy Harvesting	Prof. A Garg	02:30 pm - 03:00 pm
82-AS-2019-P06	Ceramics for Gas Turbine	Mr. Atanu Saha	03:00 pm - 30:30 pm
82-AS-2019-P07	High Purity Silicon – SILGRAIN® for Non-Oxide Ceramics, and other Applications	Mr. Arindam Mukherjee	03:30 pm - 04:00 pm
82-AS-2019-P08	Energy conservation and environment in float glass manufacturing	Mr. T.K. Charkroborti	04.00 pm - 04:30 pm

DAY – 2

Date: 10-01-2019

Venue: SNTI Auditorium

ID	Title	Speaker	Schedule
82-2019-IN01	Importance and Role of Functional Materials in Dye Sensitized Solar Cell: Facts and Figures	Dr. P. Sujatha Devi	9:30 am – 10:00 am
82-2019-IN02	The Charming World of Ceramics: A Show and Tell session	Prof. Parag Bhargava	10:00 am – 10:30 am
	High Tea		10:30 am – 11:00 am
	Five parallel Technical Sessions		11 am – 1 pm
	Lunch break		1 pm – 2 pm
	Four parallel Technical Sessions		2 pm – pm
Venue: BOC Ground	**Cultural programme & Cocktail dinner**		7 pm onwards

Parallel Technical Sessions

Venue	Code	Theme	Time
SNTI Auditorium	A1	Electroceramics	11:00 AM
	A2	Energy Materials	2:00 PM
Hall 2	B1	High Temperature Materials	11:00 AM
	B2	Structural Ceramics	2:00 PM
Hall 3	C1	Valorization of Waste	11:00 AM
	C2	Geopolymers and Building Materials	2:00 PM
Hall 4	D1	Bioceramics	11:00 AM
	D2	Coating and Composites	2:00 PM
Hall 5	E1	Whitewares	11:00 AM

Detailed Schedule of Technical Sessions

Duration of Presentation: 10 minutes with additional 2 minutes for discussion of each presentation

Session code: A1; Theme: Electroceramics

Venue: SNIT Audotirium; Time : 11:00 AM

Paper ID	Title	Author(s)
82-2019-57	Development of Ba-Bi-Titanate and its characterization by modified Solid State Process	Soumya Mukherjee1)#, Mohammed Shahnawaz2), Sathi Banerjee3)
82-2019-64	INFLUENCE OF PERIODIC SURFACE STRUCTURE ON OPTICAL AND PHOTOELECTROCHEMICAL PROPERTIES OF SOL-GEL BA	HASMAT KHAN,MALOBI SETH, DR. SUNIRMAL JANA
82-2019-102	INFLUENCE OF POROUS CONFIGURATION ON DIELECTRIC and PIEZOELECTRIC PROPERTIES OF KNN-KBT LEAD FREE CE	EVELYN DERINA PINHEIRO, Dr.D.THENMUHIL(corresponding author)
82-2019-114	Synthesis, Characterization and Piezoelectric properties of Lead-free BaTiO3 Template Prepared by Mo	JAI SHREE. K
82-2019-173	Effect of ambient atmosphere on compositional-phase-mechanical (In)stability of Li-La-Zirconate base	SUSHOBHAN KOBI
82-2019-127	INFLUENCE OF SYNTHESIS METHODS ON STRUCTURAL, MECHANICAL, PIEZOELECTRIC AND FERROELECTRIC PROPERTIES	MAHFOOZ ALAM, JAI SHREE. K, DIBAKAR DAS
82-2019-189	Hydrothermal synthesis of ferroelectric 0.9KNbO3- 0.1(BaNb1/2Ni1/2O3-?): characterization and photoc	S. Abhinay, R. Mazumder
82-2019-183	Studies on 0.95 Bi0.5 (Na0.40K0.10) TiO3-0.05 (Ba0.7Sr0.3) TiO3 ceramics for piezoelectric application	RAJESH NARAYANA PERUMAL and VENKATRAJ ATHIKESAVAN
82-2019-207	Ti3C2 based electrodes for super capacitor applications	Pallab Bhattacharya

Session code: A2; Theme: Energy Materials
Venue: SNIT Audotirium; Time : 02:00 PM

Paper ID	Title	Author(s)
82-2019-145	Selection and Evaluation of Ceramic Honeycombs for Thermal Storage	Madhusoodana C D
82-2019-60	Synthesis and characterization of Ba2Co2Fe12O22 - NiFe2O4 composite ferrites for high frequency appl	R. Vinaykumar, Shubham Prakash, J. Bera
82-2019-66	Synthesis and Characterization of Ce-substituted Nickel-Zinc Ferrite	Anand S. Khatri, SK S. Hossain, P. K. Roy
82-2019-72	Effect of mixed nucleating agents on microstructure and crystallization behaviour of lithium disilic	Pameli Pal1, Kaberi Das1* Ram Karan3,
82-2019-76	Development of Highly Anisotropic Porosity in YAG Ceramic by ice-templating	Ammar Eqbal, Satya Narayana Sabat, Soumavo
82-2019-77	REMOVAL OF Cr(VI) FROM AQUEOUS SOLUTION USING NANO CRYSTALLINE Nickel-Zinc Ferrite (NixZn1-xFe	SABITABRATA CHATTERJEE , SEMANTI
82-2019-128	SYNTHESIS AND CHARACTERIZATION FOR MECHANICAL AND ELECTRICAL PROPERTIES OF LEAD-FREE SODIUM BISMUTH	SUKHAMOY KHILARI, JAI SHREE. K, DIBAKAR DAS
82-2019-92	POLYMER-DERIVED POROUS CARBON SPHERES COATED SB NANOPARTICLES: A HIGH PERFORMANCE ANODE FOR LI-ION	LOVE DASHAIRYA1, PARTHA SAHA1*, VIKAS
82-2019-98	Development of Tin-based Organic-Inorganic Perovskite Solar Cell	ASIM AFTAB,
82-2019-147	Hydrothermal synthesis and characterization of apatite type La10Si6O27 for electrolyte applications	P. K. PATRO, P, JENA, A. SINHA, R.K. LENKA,
82-2019-162	DEPOSITION OF SNSE THERMOELECTRIC THIN FILMS BY THERMAL EVAPORATION FOR THERMAL ENERGY HARVESTING	KOMAL SINGH, SONI, S.K. MISHRA
82-2019-199	Effects of phase-separation and melt size on structure-property relationships in the (GeSe2-3As2Se3)	Anupama Yadav1, Myungkoo Kang1,
82-2019-205	Magnetic Ceramic Oxide for Memory Storage and Permanent Magnet Devices	Ranjan K Sahu
82-2019-210	A Comparative Study between La0.65Sr0.3MnO3-5 and Ba0.6Sr0.4Co0.8Fe0.2O3-8 as Anode Material for Solid Oxide Electrolyser Cell Application	Shoroshi Dey, Abhijit Das Sharma, Jayanta

Session code: B1; Theme: High Temperature Materials
Venue: Hall 2; Time : 11:00 AM

Paper ID	Title	Author(s)
82-2019-38	Effect of amount of graphite on N220 nanocarbon containing Al2O3 - C refractories: a study	Venkatesh Pilli and Ritwik Sarkar
82-2019-56	Non-Stoichometric Spinel preparation and Characterization using Thiourea as Fuel-Reducing Agent	Sathi Banerjee1), Soumya Mukherjee2)#
82-2019-39	STRENGTHENING OF SINTERABLE LOW CARBON Al2O3–MgO–C REFRACTORIES WITH YAG NANOPARTICLE HYBRIDIZED EXP	K. SARATH CHANDRA, D. SARKAR
82-2019-75	SYNTHESIS AND CHARACTERIZATION OF SOL-GEL DERIVED MONOPHASIC MULLITE POWDER	1. Arijit Jana 2. Dr. Debjyoti Ray 3. Dr. Pradip Kumar Roy
82-2019-61	To study slag resistance behaviour of Spinel(MgAl2O4) bonded carbon refractory	VINAY KUMAR SINGH, M.R.MAJHI
82-2019-68	Effect of bauxite addition on the densification and microstructural properties of mullite aggregates	Tilak Matabbar, Abhishek Das, Ramkaram and Kaberi Das
82-2019-185	Development of High Alumina bricks for improvement in performance of preheating zone hearth of rehea	INDRANIL ROY
82-2019-188	CHEMICAL SYNTHESIS OF SPINEL REFRACTORY	BHATTIPROLU DEVENDRA NADH
82-2019-105	Hot Basic Gunning Mass for lining Repair of Electric Arc Furnace (EAF), BOF & Steel Ladles	DR. AVIJIT DAS GUPTA, ARUN KUMAR,
82-2019-134	Effect of ZrO2 addition on MgAl2O4 spinel : Comparison between coprecipitation and oxide reaction r	ITKANKHYA MAHAPTRA & RITWIK SARKAR
82-2019-215	Development and application of specially designed in-situ Mullite forming castableto enhancelining l	S. Sarkar, RK.Pradhan, B. MahataSM, Rahul Pandey, A.Kundu, SK Jain, D. Mustafi, S. Mondal.

Session code: B2; Theme: Structural Ceramics
Venue: Hall 2; Time : 02:00 PM

Paper ID	Title	Author(s)
82-2019-50	THERMAL SHOCK RESISTANCE OF POROUS SILICON CARBIDE CERAMICS PREPARED USING CLAY AND ALUMINA AS ADDIT	DULAL DAS AND NIJHUMA KAYAL*
82-2019-55	Synthesis of Cu-Al-O Spinel and its characterization by modified Solid State Process	Soumya Mukherjee1)#, Rajib Ranjan Pal2),
82-2019-79	The Effect of Sample Geometry on Densification of Flash Sintered of Zirconia Ceramics	Ammar Eqbal, Kumar Saanand Arya, Tamoghna Chakrabarti
82-2019-200	NOVEL CHALCOGENIDE GLASSES FOR PROCESSING OF RAW DIAMONDS	Dr. ATIAR RAHAMAN MOLLA
82-2019-83	Nucleating Agent Controlled Crystallization in Tuning the Microstructure-Thermal Properties of K-Mg-	a-b-cMRINMOY GARAI, b-dT. S. R. CH. MURTHY
82-2019-87	High Aspect Ratio Aluminum Borate Whiskers by Molten Salt Synthesis with Different B/Al Ratio and De	SOUMAVO SIKDER
82-2019-96	Preparation of Three Dimensionally Ordered Macroporous (3DOM) Silica Scaffold	Lakshaman Kumar, Satya Narayana Sabat
82-2019-97	Effect of process parameters on the phase formation in nickel aluminium intermetallic system by powd	NITIN SUGATHAN, NEERA SINGH,
82-2019-201	Dynamic deformation of alpha-alumina with and without texture	DR SAIKAT DEB ACHARYA
82-2019-125	EFFECT OF TITANIA DOPING ON UV THE SHIELDING PROPERTIES OF MULLITE	POONKUZHALI.M.G. SARANRAJ.V,
82-2019-146	In-depth study on morphological transitions for the architecture of directional freeze-casted porous	SATYA NARAYANA SABAT
82-2019-81	NITROGEN-DOPED HIERARCHICAL POROUS CARBON NANOSPHEROIDS FOR THE REMOVAL OF WATER CONTAMINANTS: SELEC	SUKANYA KUNDU, IPSITA HAZRA CHOWDHURY
82-2019-74	Elaboration of zirconia ultrafiltration membrane for fine polishing of crude rice bran oil and compa	SURAJIT DEY
82-2019-211	Development of Ni-Ba0.8Ce0.35Zr0.5Tb0.15O3-g Based Dense MIEC Membrane for Hydrogen Separation	ABDUL ALIM,MAINAK MUKHERJEE,

Session code: C1; Theme: Valorization of Waste
Venue: Hall 3; Time : 11:00 AM

Paper ID	Title	Author(s)
82-2019-52	DEVELOPMENT OF GREEN CERAMIC BOARD: UTILIZATION OF DIFFERENT WASTES	SK S. HOSSAIN, R. PYARE, P. K. ROY
82-2019-85	VITRIFICATION BEHAVIOR OF CLAY BASED BODY CONTAINING HIGH AMOUNT OF FIRED PORCELAIN SCRAP	PARVESH AGRAWAL, S N MISRA
82-2019-95	Development of Wear Resistant Ceramics Using Fly and Bottom Ash	RAM CHANDRA DAS
82-2019-101	A STUDY ON CENOSPHERE AS THERMAL INSULATING MATERIAL	ANITHA N
82-2019-90	UTILIZATION OF VITRIFIED TILE SLUDGE WASTE IN DEVELOPING LOW ENERGY INTENSIVE DFF WALL TILE	Satyendra Nath Misra1, Alpesh M. Patel2 & B. B. Machhoya3
82-2019-170	STUDIES ON ALUMINA RECOVERY AS CEMENT GRADE MATERIAL FROM HDS SPENT CATALYST	SANJAY AGARWAL, S. SINHA, D. MISHRA
82-2019-175	EFFECT OF 93% Fe2O3 CONTENT WASTE IRON ON PHYSICAL, MECHANICAL AND MICRO-STRUCTURE PROPERTIES OF CE	DR. SONJIDA MUSTAFI
82-2019-168	A Fundamentals Approach to Produce the Glass Ceramics in Single Stage Processing Route from Metallur	Ammasi, A ; Nath, S.K ; Madan, M ; Thatoi, S; Sanjay Kumar
82-2019-143	Utilization of Industrial Wastes and Low grade Ceramic minerals in Green Production Ceramic route	A.K.GUPTA

Session code: C2, Theme: Geopolymers and Building Materials
Venue: Hall 3; Time : 02:00 PM

Paper ID	Title	Author(s)
82-2019-59	NON FIRED CERAMIC PRODUCTS FROM MINES WASTE AS A CIVIL CONSTRUCTION MATERIAL	M.BEULAH,NABIL HOSSINEY AND P.DAS
82-2019-71	DEVELOPMENT OF ECO FRIENDLY CONSTRUCTION MATERIALS BY UTILIZING FLY ASH	DIPANKAR DAS, PRASANTA KUMAR ROUT
82-2019-80	Utilization of Rice Husk Ash for the synthesis of NaX type zeolite via a Simple Route	AMIT KUMAR and MILAN KANTI NASKAR
82-2019-129	EXPERIMENTAL INVESTIGATION ON FLY ASH BASED GEOPOLYMER CONCRETE	SAVAN KUMAR SHARMA, PAPPU HALDER, PAROMITA DAS, SATAVISHA CHATTERJEE & B. K. SANFUI*
82-2019-144	EFFECT OF PORES IN LOW-CALCIUM FLY ASH-BASED GEOPOLYMER CONCRETE.	RACHITGHOSH,A,* SUNIL KUMAR GUPTA,B, ANIL KUMAR,C AND SANJAY KUMAR,D
82-2019-152	SYNTHESIS AND CHARACTERIZATION OF FLY ASH AND ALLOY STEEL SLAG BLENDED GEOPOLYMERS	Susanta Kumar Nath, Sanjay Kumar
82-2019-180	Novel inorganic-organic hybrid geopolymers	RASHMI SINGLA, T. MISHRA, SANJAY KUMAR
82-2019-202	Life Cycle Assessment (LCA) of Geopolymer cement and Portland cement Production in India: A Comparat	ROHIT MESHRAM
82-2019-153	SYNTHESIS AND CHARACTERIZATION OF ONE PART GEOPOLYMER CEMENT	Satyajit Chaudhuri
82-2019-176	USE OF LD SLAG IN BLENDED CEMENT: HYDRATION AND MECHANICALBEHAVIOUR	ALOK GUPTA(1), RENU KUMARI(1), T.C. ALEX(2), SANJAY KUMAR(2)

Session code: D1; Theme: Bioceramics
Venue: Hall 4; Time : 11 AM

Paper ID	Title	Author(s)
82-2019-184	Evaluation of Zirconia Disks for CAD-CAM milling of Dental Crowns	SONAL KUMAR, PARAG BHARGAVA
82-2019-65	Synthesis and Characterization of Ti alloy Metal Matrix Composite reinforced with bioactive Glass	VIPUL SAXENA,AMRENDRA RAI,VIJAY KUMAR
82-2019-62	Studies on Physico-Mechanical Properties and In Vitro Bioactivity of Ba-doped Bioactive A/W Glass-Ce	NAVYA YADAV, MOHD. SHOAIB, HIMANSHU
82-2019-135	STRUCTURAL, MAGNETIC AND IN VITRO BIOACTIVITY EVALUATION OF MnFe2O4 CONTAINING BIOACTIVE GLASS CERAM	HIMANSHU TRIPATHI, C RATH, S P SINGH
82-2019-136	Preparation and Characterization of Nano Anhydrous Calcium Phosphate Added Gelatin – Chitosan Scaffol	Sudip Dasgupta, Yogendra Pratap Singh
82-2019-157	Effect of Addition of B2O3 to the Sol-Gel synthesized 45S5 Bioglass for Bone Tissue Engineering	PINKI DEY
82-2019-177	MAGNETIC HYDROXYAPATITE AS A NEXT GENERATION BIOCERAMICS	LUBNA SHEIKH, SUPRABHA NAYAR
82-2019-82	Structural Characterization and In Vitro Bioactivity of Sr-contained Bioactive A/W Glass-Ceramics.	. Shoaib, Navya Yadav, Himanshu Tripathi, Arepalli Sampath Kumar and S.P. Singh
82-2019-208	The usage of bioceramics in economical air filters	Sneha Mukherjee, Sharad Kumar and Suprabha Nayar
82-2019-214	Flexible Supercapacitors	Sharad Kumar, Sneha Mukherjee and Suprabha Nayar
82-2019-213	The usage of bioceramics in economical air filters	Sneha Mukherjee, Sharad Kumar and Suprabha Nayar

Session Code: D2, Theme: Coating and Composites
Venue: Hall 4; Time : 02:00 PM

Paper ID	Title	Author(s)
82-2019-63	SUPERHYDROPHOBIC AND SUPEROLEOPHILIC COATING WITH SUPERIOR ANTIBACTERIAL POPERTY	MALOBI SETH, HASMAT KHAN, DR. SUNIRMAL
82-2019-130	EFFECT OF BINARY OXIDE COATING ON THE OXIDATION RESISTANCE OF MULTI-WALLED CARBON NANOTUBE	PAROMITA DAS and B. K. SANFUI
82-2019-161	MECHANICAL BEHAVIOUR OF MAGNETRON SPUTTERED AL-Si-N THIN FILMS: VARIATION WITH SILICON INCORPORATION	SONIa, b, S.K. MISHRAa, S.K. SHARMAb
82-2019-171	Fretting of Plasma Sprayed Chromium Carbide Reinforced Tribaloy-T400 Coating.	Moumita Mistri (a), Shrikant Joshi (b), Kamal K Kar (a,c
82-2019-204	Surface designing of titania: Nanoparticels to nanotubes	Tapabrata Chakraborty, T. Mishra
82-2019-73	Fabrication of UHT ceramics: ZrB2-SiC and Cf-SiC based composites	R.V. KRISHNARAO*, G. MADHUSUDHAN REDDY
82-2019-94	BaFe12O19 – ACTIVATED CHARCOAL – CHITOSAN COMPOSITE ADSORBENT FOR METHYL BLUE DYE REMOVAL APPLICATIO	KOUSIK POLLEY, JAPES BERA
82-2019-108	SYNTHESIS OF GRAPHENE OXIDE AND STUDY OF COMPACTION BEHAVIOUR OF AL2O3-GRAPHENE OXIDE COMPOSITE POWD	VAIBHAV PANDEY, ASHUTOSH GUPTA,
82-2019-155	Study of Microstructure and Properties of 2.5D Cf-SiC Composites	Vamsi Krishna Parimi a, Ramya Krishna a, Koushik
82-2019-156	EFFECT OF LaB6 ADDITION ON ZrB2-SiC BASED ULTRA-HIGH TEMPERATURE CERAMIC COMPOSITE	SUNIL KUMAR KASHYAP, RAHUL MITRA
82-2019-148	Photocatalytic Degradation of Methylene Blue Dye Using TiO2/Cement Composite	B Bharati, Chandana Rath
82-2019-133	PREPARATION AND CHARACTERIZATION OF FIBER REINFORCED CERAMIC MATRIX COMPOSITES BY PRECIPITATION METH	SATHISHKUMAR.P, D.THENMUHIL
82-2019-212	Development of Zirconia-alumina Porous Ceramic Composite for Support Application in Dense Ceramic Me	Utkarshita Kaushal, Abhijit Das Sharma, Jayanta

Session code: E1 ; Theme: Whitewares
Venue: Hall 5; Time : 11:00AM

Paper ID	Title	Author(s)
82-2019-84	COMPARISON OF THERMO MECHANICAL CHARACTERISTICS OF CERAMIC BODY MADE BY BLUNGER AND BALL MILL RESPEC	PARVESH AGRAWAL, S N MISRA
82-2019-86	Synthesis and characterization of porcelain material and enhancing its physico-mechanical properties	V. SINGH, A.K.SINGH, N.S.MEHTA, V.K.SINGH AND M.R.MAJHI
82-2019-88	SOME STUDIES ON CORRELATION BETWEEN THICKNESS AND FIRING SCHEDULE ON THE FIRED CERAMIC PROPERTIES OF	ASHA ANIL, SATYENDRA NATH MISRA & AGHERA KARTIK
82-2019-89	DEVELOPMENT OF INNOVATIVE TERRACOTTA PRODUCTS AND DISSEMINATION OF TECHNOLOGY THROUGH SKILL ENHANCEM	Satyendra Nath Misra1, Staff Members of CSIR-CGCRI, Naroda Centre, Ahmedabad & B. B. Machhoya2
82-2019-91	AN EXPLORATORY STUDY ON THE EFFECT OF CALCINED CLAY ADDITION IN PORTLAND CEMENT ON PHYSICO MECHANICA	Nisarg Dave1,Vandana Rao2 & Satyendra Nath Misra3
82-2019-132	SOME STUDIES ON THE DECARBONATION-REHYDRATION BEHAVIOR OF BHUTANESE DOLOMITE	PANCHU RAM BAR, P. DAS, S. K. SHARMA, A. GHOSH, D.TAK & B. K. SANFUI
82-2019-137	Ideological & Technological Barriers between Traditional & Technical Ceramics for Developments of	A.K.GUPTA