

12th Asia-Pacific Microscopy Conference (APMC 2020)			
Hyderabad International Convention Centre, 3-7 February 2020, Hyderabad, India			
Poster Presentation (Hall-3)			
S No.	Presenting Author	Title	Poster No.
1)	Rohini Sanikop	Size and Defect Controlled Ferromagnetism in MoS ₂ Nanosheets	P-001
2)	Debadarshini Samantaray	Semiconducting Superlattice Telluride Nanowire	P-002
3)	Debadarshini Samantaray	Mechanistic Studies of Growth of Ultrathin Pt and Alloy Nanowires using TEM	P-003
4)	Abhijit Roy	Cathodoluminescence Spectroscopy of Silver Nanotriangle Array Produced by Nanosphere Lithography	P-004
5)	Geetanjali Bhatia	Digestive Ripening Facilitated Formation of Phase Pure Pd-Sn Intermetallic Nanostructures: Synthesis and Applications	P-005
6)	Julakanti Shruthi	Synthesis and Characterization of CeO ₂ -In ₂ O ₃ Nanocomposites	P-006
7)	Suk Woo Lee	Investigation of Sub-Nanometer Superlattice through Directional Intercalation in Black Phosphorus	P-007
8)	Govind Ummethala	On the Origins of Supercapacitance in Graphene Liquid Cells using off-axis Electron Holography	P-008
9)	Govind Ummethala	Growth of Chiral Organic Microparticles for Photonic Applications using Graphene Liquid Cells	P-009
10)	Srikrishna Samanta	Nanostructured TiO ₂ -ZnS and TiO ₂ -CeO ₂ Heterojunctions for Photocatalytic Waste Water Treatment	P-010
11)	Girish Kashinath Deokar	Green Synthesis of Elixir of Life: Gold Nanoparticles (Aunps) from Waste	P-011
12)	Dhiraj Kumar Bharti	Strain Induced Magnetic and Photoluminescence Properties of Mn-Doped Zn ₂ SiO ₄ Nanostructures	P-012
13)	Rajeev Kumar Rai	Morphology Controlled Single-Crystalline SnSe ₂ -Graphene Hybrid for Photodetection	P-013
14)	Kalpna Pandian	"Carbon" -the Monarchy of Chemical Elements (Carbon Nanomaterials - the Survey of Structural Analysis using a Scanning Electron Microscope)	P-014
15)	Meghabarna Gayen	Synthesis, Electron Microscopy and Electrocatalysis of Trimetallic Ultrathin AuPdPt Nanowire	P-015
16)	Ranit Ram	Cation Exchange Strategy for the Synthesis of Symmetry-Broken Lateral Heterostructure Nanocrystals	P-016
17)	Pritam Banerjee	Probing Nano-Scale Phase Separation at Atomic Resolution within Biocompatible Type Ti - Mn alloy	P-017
18)	Kasimanat Vibulyaseak	A Novel Approach of Characterizing TiO ₂ Nanoparticles in Mesoporous Silica	P-018
19)	Avnish Singh Pal	Microstructural Evolution of Chessboard Like Nanodomains in Mn-Doped CoFe ₂ O ₄ Spinel a for High Density Perpendicular Memory Storage Devices	P-019
20)	Dharita Chandravanshi	The Role of Transmission Electron Microscope in Optimization of Synthesis and Development of Cryomilled Quantum-Confined Semiconducting Nanoparticles	P-020

21)	Khushubo Tiwari	Formation of Non-Equilibrium Phase in Rapidly Solidified Tri-Phasic $\text{Bi}_{44}\text{In}_{32}\text{Sn}_{23}$ Alloy Nanoparticle Embedded in Icosahedral Quasicrystalline Matrix	P-021
22)	Lakshmanan C	Electrochemically Induced Microstructure Variation in Nanoporous Au	P-022
23)	Manoj SN	Mesoporous Structure of the SiO_2 Shell of the Ag- SiO_2 Core Shell Nanoparticles	P-023
24)	Jayan Manuvel	A Study on Electrical Properties of Schottky Diodes Fabricated with Natural Rubber Fullerene Derivative and PCBM	P-024
25)	Thirupathi Gadipelly	Morphological Investigation of Nanostructured of Y_2O_3 During Microwave-Hydrothermal Synthesis	P-025
26)	Suresh Bandi	Synthesis of $\text{WO}_3 \cdot 1/3\text{H}_2\text{O}$ Nanoplates for Gas Sensing Applications	P-026
27)	Malobi Seth	Low Temperature Solution Synthesis of Nanostructured ZnO with Variable Morphologies	P-027
28)	Arnab Mahato	Development of Nano-Porous Hydroxyapatite Coated E-Glass for Potential Bone-Tissue Engineering Application: an In-Vitro Approach	P-028
29)	Sanjukta Roy	Electron Microscopy: an Important Tool for Preparation and Characterization of Asymmetric Ceramic-Polymer Composite Nanofiltration Membrane	P-029
30)	Aniruddha Pal	Highly Elastomeric, Tough, and Customizable Electrospun Nanofibrous Patch Based Novel Therapeutic Strategies for Intervertebral Disc Regeneration	P-030
31)	Sovandeb Sen	Synthesis and Characterization of Gel Calcined ZnO/SnO ₂ Nanocomposite for Formaldehyde Sensing Application	P-031
32)	Mahavir Singh	Effect of Heat Treatment on Size & Saturation Magnetization of Zn Doped Cobalt Ferrite Magnetic Nano Particles.	P-032
33)	Bishnupad Mohanty	Nitrogen Doped Graphene Decorated MCo (M= Fe, Zn) Nanoalloy as an Effective Electrocatalyst for Hydrogen Evolution Reaction (HER)	P-033
34)	Gopal Avashthi	In-Situ Electron Assisted insight Structural Modification of Graphene Oxide for Tuned Optical Response	P-034
35)	Rajasekhar Reddy Seelam	Remarkable Effect of Deformation Temperature on Phase Stability and Mechanical Properties of Severely Warm-Rolled AlCoCrFeNi _{2.1} Eutectic High Entropy Alloy	P-035
36)	Upender Sunkari	Novel Microstructure and Mechanical Properties of a Thermomechanically Treated Complex Intermetallic Strengthened CoCrFeNi _{2.1} Nb _x High Entropy Alloys	P-036
37)	Vikas Shivam	Phase and Microstructural Evolution in AlCoCrFeNi based High-Entropy Alloys	P-037
38)	Rahul John	Tailoring Microstructure of Al _{0.7} CoCrFeNi High Entropy Alloy via Thermo Mechanical Processing	P-038
39)	Sarvesh Kumar	On the Development of Gamma Prime Coarsening Resistant CoNiFeCrAlNbTi FCC-Based High Entropy Alloys with Promising High Temperature Mechanical Properties	P-039
40)	Khushbu Dash	An Understanding of Microstructural and Texture Evolution in High Entropy Alloy Multi-Layered Laminates	P-040

41)	Yasam Palguna	Effect of Isochronal Annealing on the Microstructure and Mechanical Properties of Al _{0.2} CoCrFeNiMo _{0.5} High Entropy Alloy	P-041
42)	Saurabh Mohan Das	Looking Down the Oxide Layers and Unlocking the Oxidation Mechanism in Co-Based Superalloys using Electron Microscopy Techniques	P-042
43)	Mahander Pratap Singh	Characterization of Microstructure Evolution during Extended Heat Treatment of Co-Base Superalloys Reinforced with Y'-Co ₃ V based Intermetallic Compounds	P-043
44)	Om Gosain	Effect of Cr and Ti on Oxidation Behavior of γ' Strengthened Co-Ni-Al-Ta-Ti-Cr Superalloy at 800, 900 and 950°C	P-044
45)	Prafull Pandey	The Partitioning and Site Occupancy of Solute in γ - γ' Containing Co-Al Base Superalloys: A Combined TEM And 3DAPT Study	P-045
46)	Athira K S	Using Microscopy to Understand Solute Partitioning and Microstructural Evolution in A Co-Based Superalloy Weld	P-046
47)	Namrata Mazumder	Effect of Ti Content on Microstructural Stability of Co Based Co-Ni-Nb-Al-Ti Superalloys System	P-047
48)	Muni Kumar Kandula	Development of Co-Based Superalloys Following A High Throughput Pseudo-Binary Diffusion Couple Method	P-048
49)	Ch Visweswara Rao	Effect of Microstructure on Deformation and Fracture Behavior of Inconel 617 Alloy	P-049
50)	Kumar Sourabh	Meso - Scale Characterization of Creep Ruptured Alloy 690 in the Temperature Range of 800-1000°C	P-050
51)	Sivakumar Mani	Microstructural Characterization of 617 Oxide Dispersion Strengthened Alloy	P-051
52)	Shreya Mukherjee	Correlation Between Different Deformation Mechanism in a γ' -Strengthened Ni-Base Superalloy using HRTEM Study	P-052
53)	Apurba Roy	Microstructure Evolution and Kinetics of Competing Discontinuous and Continuous (or Homogenous) Precipitation of L12 Ordered Precipitates in Co- Ni-Al System	P-053
54)	Barun Bharadwaj Dash	Evolution of Bimodal Gamma Prime (γ') Phase Distribution and Quantification of Microstructure in Nickel-Based Alloy 718Plus	P-054
55)	Arun Thakare	Evaluation and Correlation of Microstructural Aspects to Tensile Strength, Toughness and Wear of Microalloyed 34CrMo4 Steel	P-055
56)	Debabrata Bhuyan	Microstructural Characterization of Equal Channel Angular Pressed Low Carbon Steel Subjected to Electropulsing	P-056
57)	Jaydeep Vishwakarma	Microstructural Characterization and Mechanical Behavior of M300 Steel Processed by Additive Manufacturing	P-057
58)	Ratnakar Singh	Characterization of Different Nano Oxide Particles Present in Forged 18Cr-Ferritic ODS Steels	P-058
59)	Nischay Kausik Garikapati	Influence of Zr/ZrO ₂ Dispersion on Microstructural and Mechanical Properties of ODS Ferritic-Martensitic Steel	P-059
60)	Tishta Das	Study of Microstructure of Single Layer, Double Layer, Triple Layer Deposition of SS 316 L by Direct Energy Deposition	P-060

61)	Vaishnavi Krupabr	Microstructural Characterization of SPS Synthesized ZrO ₂ Dispersed 9Cr-ODS Steel	P-061
62)	Maheswari Nandakumar	Orientation Relationship between the Phases in Quench and Partitioned Steel Microstructure	P-062
63)	Dinesh Kumar	Effect of Isothermal Temperature and Holding Time on Bainitic Transformation in Nano-Bainitic Armour Steel	P-063
64)	Ajay Mandal	Microstructural Analysis of Graphene Reinforced SS 316L Metal Matrix Composite Prepared by Powder Bed Fusion Method	P-064
65)	Chavan Akash Naik	Effect of Initial Microstructure and Soaking Time during Intercritical Annealing on Dual Phase Steel for Automotive Applications	P-065
66)	Bhagyaraj Jayabalan	Multi Model Characterization of Dual Phase Steel	P-066
67)	Deepak Kumar	Establishment of Microstructure-Texture-Mechanical Property Relationship in Electron Beam Melted 316L	P-067
68)	Saikumaran Ayyappan	Comparison of Irradiation Induced Microstructural Changes in Equiatomic CrFeMoV Alloy and P91 Steel	P-068
69)	Priyesh P	Influence of Target Power Density on the Structure of Sputtered Thin Film Metallic Glass-an Electron Microscopy Study	P-069
70)	Bibhutibhusan Nayak	Magnetic Properties and Domain Imaging of Fe ₇₀ Ga ₃₀ Films	P-070
71)	Pravallika Bandaru	Understanding Spinodal Decomposition in Ag-Cu Alloy Thin Films for Plasmonic Applications	P-071
72)	Apu Kumar Jana	Structure and Magneto – Optical Kerr Imaging of Inverse Heusler Alloy (Fe ₂ CoSi) Thin Film	P-072
73)	Hasmat Khan	Fabrication of Surface Patterned Nanostructured Metal Oxide Semiconductor Thin Films for Photoelectrochemical Application	P-073
74)	Shailendra Kumar Singh	Evanescent Field-based Ethylenediamine Detection by using Nanocomposite Ag-Doped TiO ₂ Thin Film over Modified Clad Optical Fiber	P-074
75)	Jit Dutta	Structural Investigation of the Zinc Oxide Thin-Film based Device for Piezo-Transistor Application	P-075
76)	Ankit Singh	Microstructural Evolution, Growth and Interface Structure in Multilayered Au/Cu Thin Films	P-076
77)	Bibhu Prasad Sahu	Study of Crystallization Behaviour of Magnetron Sputtered Ni ₆₃ Zr ₃₇ Amorphous Thin Film	P-077
78)	Roopchand Tandon	Microstructure and Texture Characterization of the AA7075T7352 Aluminium Alloy	P-078
79)	Ujjval Bansal	Effect of Micro Additions of Hf And Si on Precipitation and High Temperature Performance of Al-Cu Alloy	P-079
80)	Yagnesh Shadangi	Structural Transformation and Microstructural Characterization of Al-Cu-Fe Reinforced 6082 Al Matrix Nanocomposites	P-080
81)	Sarvesha R	Role of Second Phase Particles on In-Situ Deformation Behaviour of AZ80 Mg Alloy	P-081
82)	Chandra Shekhar P	Development of New Lightweight Al Based Alloys with Improved High Temperature Performance	P-082
83)	Sourav Ganguly	Enhanced Creep and Corrosion Response of SiC Nanoparticles Reinforced Squeeze-Cast AZ91-Ca-Sb Magnesium Alloy	P-083
84)	Soumita Mondal	Effect of Scandium Addition on the Evolution of	P-084

		Microstructure and Texture in AA2195 Aluminium Alloy under High Pressure Torsion	
85)	Jitendar Kumar Tiwari	Graphene/AlSi10mg Composite by Laser Powder Bed Fusion Process	P-085
86)	Karnakanti Naga Chaithanya Kumar	Effect of Prior Deformation on the Evolution of Martensite in Ti-6Al-4V Alloy	P-086
87)	Peddiraju V S Vivek Chaitanya	Understanding Intermetallic Formation in Titanium-Nickel Weld Deposits Through Microscopy	P-087
88)	Saptarshi Mukherjee	Phase Stability and Microstructural Evolution in V-Ti Alloys with Varying Ti Content	P-088
89)	Pramod Kumar	LCF Behaviour of Ti-13Nb-13Zr Alloy	P-089
90)	Shamitha Sri Muduru	Effect of Microstructure and Texture on Dwell Sensitivity of A Near Alpha Titanium Alloy	P-090
91)	Saurabh Gupta	Microstructural Modifications in SLM Printed Ti-6Al-4V for High Ductility and Toughness	P-091
92)	Shubhashis Dixit	Characterization of Lamellar, Equiaxed and Bimodal Microstructures in A Hot Rolled Ti-6Al-4V Alloy	P-092
93)	Itishree Ratha	A Primary Investigation of Multi-Ion Doped Hydroxyapatite Plasma-Spray Coatin on Ti6Al4V Substrate for Orthopedic Applications	P-093
94)	Sanjeev Kumar	Nanostructured Surface Layer on the Alloy Ti-6Al-4V Induced by Ultrasonic Shot Peening	P-094
95)	Aman Kumar Lal Das	Determination of Structure and Ordering in - Alloy Through Transmission Electron Microscopy	P-095
96)	Lakshaman Kumar	Can A 'Shape Strain' Factor Control Phase Transformation?	P-096
97)	Kittikhun Ruangchai	Characterization of Sintered and Heat-Treated Fe-Mo-Si-C Alloys by Optical and Scanning Electron Microscopy	P-097
98)	P S Manoranjan Jena	Quantitative Elemental Analysis of Alloying Elements using Energy Filter Transmission Electron Microscopy with Combined Result of Energy Dispersive Spectroscopy	P-098
99)	Ronit Ganguly	Ferroelectric Polarization Study of PVDF/BFO Hybrid Composite Using Piezoresponse Force Microscope	P-099
100)	MD Sahanoor Islam	Study of Structural Changes of Cerium Doped Barium Titante (BCT) by X-Ray Diffraction, Atomic Pair Distribution Function and Scanning Electron Microscope	P-0100
101)	Bama Prasad Bag	Structure-Function Correlation in Hybrid Chemosensors for Fe(III) Detection and Removal: Complementary Spectroscopic and Microscopic Investigations	P-0101
102)	Ripan K. Biswas	Study of Average and Local Atomic-Scale Structure in Nanocrystalline Sr Doped Barium Titanate using Electron Microscopy and Pair Distribution Function (PDF)	P-0102
103)	Deependra Parajuli	Microscopic and Spectroscopic Study of M'2M Xene and its Oxide	P-0103
104)	Nitika Arya	CVD Growth of Vertically Aligned 2D Res2 on Conducting Substrates for Supercapacitor Application	P-0104
105)	Lokeswararao Yelamnchi	Effect of Morphology on Electrochemical Properties of Li ₃ V ₂ (PO ₄) ₃ Cathode	P-0105
106)	Shoroshi Dey	Efficiency of the Solid Oxide Cell (SOC) using Nanocrystalline Mixed Ionic and Electronic	P-0106

		Conducting Oxides as Air Electrode Materials in Conjunction with Doped-Ceria Based Interlayers	
107)	Nattapol Laorodphan	Effect of B ₂ O ₃ and SiO ₂ Ratio on the Properties and Sealing Behaviour of Glass Sealant for Solid Oxide Fuel Cell	P-0107
108)	Shuvam Mandal	Development of Novel Rare Earth Free Permanent Magnets by Unconventional Processing Approaches	P-0108
109)	Anita Manhas	Investigation of Ultra Low Loss Magnetic Particles for Applications up To S-Band	P-0109
110)	Mohammed Nazrul Islam Khan	Influence of Yttrium Substitution on the Structural, Electrical and Magnetic Properties of Mn-Ni-Zn Ferrites	P-0110
111)	Pratyasha Rudra	Effects of Temperature on Structure-Property Relationships in Sn Doped ZnO	P-0111
112)	Akhil Raman	Microstructural and Dielectric Properties of Nickel and Cobalt Co-Substituted Barium Titanate Ceramics	P-0112
113)	Anantha Padmanabha Bhat	Study of Local Magnetoelectric Effect in Magneto-Electric Nanocomposite of Different Volume Fraction by Magnetic Field Assisted Piezo-Response Microscopy	P-0113
114)	Satyam Choudhury	Investigation of Structural Complexity, Modulation, and Defects Through Transmission Electron Microscopy in 2D and 3D Perovskite Oxides	P-0114
115)	Bruno Rao	Microstructure Investigation of P-N Homojunctions Formed by N ₂ :Zno(P-Type) and Undoped:Zno(N-Type) on Various Substrates	P-0115
116)	Koushik J	Electron Microscopic Study of the Crystal Growth of Stannous Oxide	P-0116
117)	Vijayaraghavan Thiruvengatam	Structure-Property Correlations in Iron Based Complex Oxide Structures	P-0117
118)	Sudha Saini	Study of Semiconducting to Metallic Transition in Calcium-Doped Sr ₂ TiCoO ₆ Double Perovskites Thermoelectric Materials	P-0118
119)	Urwashi Gupta	Insights on MoO ₃ -X/MoNi ₄ -Y Hetero structure Base Efficient Hydrogen Evolution Reaction Catalyst	P-0119
120)	Piyush Haluai	Exploring Local Structures and Optical Properties of Mixed Metal Oxide Interfaces in TiO ₂ /CeO ₂ -X Photocatalysts	P-0120
121)	Kilaparathi Bangaku Naidu	Geochemical Characterization and Development of Extraction Method of TiO ₂ from Ilmenite, North Andhra Pradesh, East Coast of India	P-0121
122)	Md Mahbulul Haque Haque	Comparative Study on Mechanical Properties and Surface Morphology of Al ₂ O ₃ -30wt%ZrO ₂ (X-1)%MgO and Al ₂ O ₃ -30wt%ZrO ₂ (X-1)%MgO(Y-1)%TiO ₂ Sintered at 1550C, 1600C and 1650C	P-0122
123)	Anandkumar Mariappan	Entropy Driven Synthesis of Multi-Component Oxide by Low-Temperature Chemical Co-Precipitation Method	P-0123
124)	Aditya Arun	Exploring the Remarkable Benefits of A 'Burst Nucleation' Approach for A Ceria Doped Zirconia System	P-0124
125)	Chiranjit Roy	Unraveling Dynamical Behaviour of Intergranular Glassy Films in Si ₃ N ₄ Ceramics During In-Situ Heating: Exit Wave Reconstruction Insights	P-0125
126)	Shanmukha Kiran Aramanda	Formation of Self-Organized SnTe-Te Eutectic	P-0126

		Colonies	
127)	Shriparna Mukherjee	Effect of Microstructure on the Thermoelectric Power Factor of $\text{Cu}_2\text{Te-Sb}_2\text{Te}_3$ Alloys	P-0127
128)	Rakesh Kumar Sahu	Spheroidal Growth of Silicon Carbide in Arc Plasma Treatment	P-0128
129)	Sireesha Panithi	Development of Novel Thermoelectric Materials Through Microstructure Engineering	P-0129
130)	Dipanjan Kumar	Study on Microstructural Evolution of the Interfacial Layer in Ni /PbTe Joints for Thermoelectric Application using Diffusion Couple Technique	P-0130
131)	Karanam Gururaj	Correlative Microscopy Analysis of Wire Arc Additive Manufactured Nickel Aluminium Bronze (WAAM NAB) using Custom Designed Tools	P-0131
132)	Lokesh Goel	Evolution Of Carbide Phase In Nb-1Zr-0.1C Alloy Under The Influence Of Neutron Irradiation	P-0132
133)	Pallabi Roy	Thermal Cycling Study on Glass-Ceramic Bonded Thermal Barrier Coating (TBC) System	P-0133
134)	Rumu Halder Banerjee	Microstructural Degradation of Ni-16 Wt. %Mo-7wt.% Cr Alloy by Simulated Fission Product Tellurium	P-0134
135)	Nilotpal Choudhury	Study of Alumina Doped Soot Layer for the Fabrication of High Power Fiber Laser using MCVD Vapour Phase Doping Technique	P-0135
136)	Rupam Saha	Preparation and Characterization of Clay-Alumina Supported Hydrophobic Membrane	P-0136
137)	Shivani Pandey	Recent Advancement in Sensing Arsenic in Drinking Water	P-0137
138)	Gaurav Gupta	Copper Foam Fabrication using Acrawax As Space Holder Through Powder Metallurgy Route	P-0138
139)	Rabia Pandit	A structural study of double perovskiteruthenate materials $\text{Ba}_2\text{SmRuO}_6$ and $\text{Ba}_2\text{GdRuO}_6$	P-0139
140)	Anuradha Jana	Influence of Heat Treatment on Microstructure, Mechanical, Corrosion and Biocompatibility of Mg-Y-Nd-Zr Alloy	P-0140
141)	Suman Saha	Ph Dependant Morphological Variation of Caal-Layered Double Hydroxides and its Effect on Cancer Cell Inhibition	P-0141
142)	Anil Kumar S	High Resolution Cryo-Em Structure of Thermostable Direct Hemolysin: A Pore Forming Toxin	P-0142
143)	Joshua Vincent	Developing Big Data Methodologies for Analyzing Structural Reconfigurations in Catalysts Visualized with In Situ TEM	P-0143
144)	Debanwee Ghosh	Synthesis and Material Characterization of Tm^{3+} : Lu_2O_3 Nanoparticles for Fabrication of Thulium Doped high Power Fibre Laser	P-0144
145)	Akshay Kumar Budumuru	Rate capability of electrospun well-connected $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{O}_2$ nanoparticles cathode for lithium ion battery	P-0145
146)	Deepak Kumar Kashyap	Facile Green Synthesis and Characterization of Advanced Carbon Nanotubes/Metal Oxide NanoComposites for Radiation Shielding Application	P-0146
147)	MNI Khan	Synthesis, structural, electric and magnetic properties of $\text{Bi}_{0.9}\text{La}_{0.1}\text{Fe}_{1-x}\text{Eu}_x\text{O}_3$ Multiferroics	P-0147
148)	Mamata Mohapatra	Microwave synthesis of CuS nanoflowers for high performance supercapacitors	P-0148

149)	Piyush Kumar Avasthi	Oxygen plasma induced wettability tuning of vapor grown carbon nanofiber electrodes for enhanced supercapacitor performance with high Coulombic efficiency and cyclic stability	P-0149
150)	Renu Ghanghas	In Situ Dissolution Behavior of Secondary Alloy Phases in Al-Zn-Mg-Cu-base AA7055 Aluminum Alloy	P-0150
151)	Sanjeet Kumar Rajak	Electron Microscopic studies of recently developed ZnO Nano wire or Rod (HEXAGONAL CANY)	P-0151
152)	Shabi Thankaraj Salammal	Anisotropic Growth of Poly(3-alkylthiophene) Crystallites as Revealed by HRTEM and GIXRD	P-0152
153)	Paramanand Bairwa	Microscopic Characterization of the chaff fibers	P-0153
154)	Vishal Aggarwal	Analytical Electron Microscopy study of Oxygen Ion irradiated Ge for formation of Ge-on-Insulator (GOI) wafer	P-0154
155)	Anjali Kanchi	Microstructural study of MoNbTaW Multicomponent Alloy	P-0155
156)	Tarun Babu M	Microstructure and Mechanical Properties of Cold Sprayed Al-6061 Alloy Coatings	P-0156
157)	Hing Hiang Lian	Microscopic Evaluations of a Novel Method for Electron Microscopy of Paraffin-Embedded Tissues Exposed to electromagnetic Field (EMF)	P-0157
158)	Pradipta Kumar Jena	Effect of Microstructure on Mechanical and Ballistic Properties of an AA7017 Alloy Plate	P-0158