

## **Master's Degree Programme**

### **M.E.**

#### **1966**

1. M. Venkatesh Bhat  
(A.A. Krishnan)  
High temperature oxidation characteristics of copper titanium alloys
2. K. Narasimha Murthy  
(V. Ramachandran)  
Effect of cold work on the ageing characteristics of Al alloys
3. K.K. Prasad
4. S.C. Gupta  
(C.R. Krishna Murthy)  
Electrolytic Production of S & P free iron
5. R. Natarajan  
(K.P. Abraham)  
Reduction smelting of ilmenite to produce pig iron and titanium rich slag
6. N.K. Srinivasan  
(V. Ramachandran)  
Resistometric studies on kinetics of clustering in Al-Zn alloys
7. T. Hanumantha Rao  
(K.P. Abraham)  
Upgradation of chavars ilmenite concentrates by chloridisation and hydrogen reduction
8. C.V. Gokulratnam  
(A.A. Krishnan)  
Production of properties of some copper-titania alloy

#### **1967**

9. P.K. Poullose  
(K.S. Raman)  
An apparatus for precise determination of internal friction
10. Kishore  
(A.A. Krishnan)
11. H.R. Vydyanath  
(D.H. Sastry)  
Resistometric study of pre-precipitation in Mg-Zn alloys
12. S.K. Seshadri  
(K.P. Abraham & M. Mohan Rao)  
Production of ferro-chrome off-grade Byrapur chromite ore
13. R.L.N. Sastry  
(K.P. Abraham)  
Electric smelting of chalcopyrite available at Ingoldab

14. K. Prabhakar  
(R.K. Ramamurthy)  
Flotation of hematite with sodium cleate
15. S.S. Balakrishna  
(K.I. Vasu)  
High temperature oxidation of ZrO<sub>2</sub> dispersed nickel
16. Stan A. David
17. V.C.S. Prasad  
(Y.V.R.K. Prasad)  
Ausforming of a high speed steel
18. S.C. Gupta

### **1968**

19. R. Ramani  
(K.I. Vasu)  
Aluminium in primary batteries
20. P.G. Rave  
(A.A. Krishnan)  
Mechanical and magnetic properties of sintered iron-glass
21. A.D. Kadukar
22. H. Sundaresh  
(K.P. Abraham)  
Activity measurements in binary systems
23. Maduri Krishnamurthy  
(C.R. Krishna Murthy)  
Fused salt electrolysis for production of ferro-manganese

### **1969**

24. Swapan Kanti Das  
(A.A.Krishnan)  
Variation of sizes of mratensite platelets and relative effects on its strength
25. B.N.N. Acharya
26. P.S. Misra
27. A.K. Bhutani  
(K.P. Abraham)  
Refining of steel by electroslag process
28. R. Ramanathan  
(K.I. Vasu)  
Inhibition of corrosion of aluminium in saturated AlCl<sub>3</sub> solution
29. R.J. Bhatikar

(R.M. Mallya)  
Stress-corrosion studies of aluminium-zinc-magnesium alloy C.D.T.D. 683  
Al

30. K. Mathrubhootam  
(K.I. Vasu)  
Corrosion of Cu-Mn alloys
31. Srinivasa R  
(K.P.Abraham)  
Thermodynamic properties of aluminium -zinc alloys
32. R. Chandrasekharan  
(K.I. Vasu)  
On the nature of stress corrosion of Al-Zn, and Al-Mg alloys

### **1970**

33. R.T. Bhat
34. R. Dinkar Babu  
(M. Mohan Rao)  
Studies on Fe-Mn solvus lines
35. Jagannath Pujini  
(R.M. Mallya)  
Intermetallic compounds
36. S.K. Datta  
(R.M. Mallya)  
Fundamentals of glass to metal bonding
37. George Thomas
38. M.L. Shankar Shastry
39. T. subba Reddy  
(A.A. Krishnan)  
Dispersion hardening in nickel-zirconia at low temperatures
40. A. Shantharam  
(K.P. Abraham)  
Production of high grade standard grade ferro-chrome from lowgrade chromite ores of Mysore

### **1971**

41. Miss H. Chandra  
(E.S. Dwarakadasa)  
Studies on low temperature plastic deformation in commercial aluminium
42. R. Kripakaran  
(M. Mohan Rao)  
Thermal stabilisation
43. Dwarika Prasad  
(K.P. Abraham)

- The design, construction and operation of liquid metal solution calorimeter
44. K. Ramaraju  
(Y.V.R.K. Prasad)  
Microstructural aspects of fatigue in Al and Al-Mg alloy
  45. J. Ravindranath Shetty  
(K.I. Vasu and Y.V.R.K. Prasad)  
Stress corrosion cracking in Cu-12 Al alloy
  46. C. Virupaksha Shastry  
(D.H. Sastry and E.S. Dwarakadasa)  
The unidirectional solidification of binary eutectic alloys
  47. P.K. Balachandra  
(K.P. Abraham)  
Smelting of chromite ores in a tilting arc furnace designed and fabricated in the Department
  48. K.L. Bhat  
(K.I. Vasu)  
High temperature oxidation of Cu and its alloys
  49. Bhushan Lal Dhar  
(K.I. Vasu)  
Codeposition of Ni-Co alloys from fluoborate bath
  50. Samir Nath Jha  
(K.I. Vasu & E.S. Dwarakadasa)  
Cavitation erosion of some marine alloys
  51. Chiranjit Lal  
(K.P. Abraham)  
Production of nodular cast iron by electroslog process
  52. S. Raghavan  
(K.P. Abraham)  
Thermodynamic properties of binary systems of high temperature solid electrolytes galvanic cell technique
  53. V. Sivan  
(K.P. Abraham)  
Kinetic studies on the roasting of cadmium sulphide

## **1972**

54. S. Ananth Padmanabha  
(K.I. Vasu)  
Electrodeposition of iron group binary alloys
55. B. Chandrasekhara Pai  
(E.S. Dwarakadasa)  
Structural studies of unidirectionally solidified eutectic alloys
56. A.D. Ghopde

- (K.I. Vasu)  
Design and construction of a vacuum and mass flow type recording thermobalance and studies on initial oxidation of copper
57. N. Jayaraman  
(D.H. Sastry)  
Structural and resistometric studies of the order-disorder transformation in Cd-Mg alloys
58. C. Kannan  
(K.P. Abraham)  
Electroslag refining of aluminium
59. S. Ramadurai  
(K.P. Abraham)  
Studies on chemical vapour deposition
60. K.R. Ramesh  
(K.I. Vasu)  
Leaching of chalcopyrite
61. N.S. Srinivasan  
(K.I. Vasu)  
High temperature oxidation of Cu and Cu-Th alloys electrodeposition of Fe-Ni & Fe-Co alloy from the fluoborate bath
62. A.M. Sriramamurthy  
(K.P. Abraham & M. Mohan Rao)  
Thermodynamics and structural transformation in Sn-antimony system
63. Surendra Kumar Singh  
(K.P. Abraham)  
Kinetics of reduction of manganese dioxide pellets with hydrogen
64. V. Vijaya Prasad  
(K.I. Vasu)  
Electrolytic leaching of lemenite ore
65. Vinod Kumar Juneja  
(E.S. Dwarakadasa)  
Bearing characteristic and aluminium base bearing alloy

### **1973**

66. R. Sellamuthu  
(K.P. Abraham jointly with MRS, ME)  
Application of ESR technique for the production of nodular cast iron
67. S.V. Prasad  
(K.P. Abraham)  
Electrochemical measurements of oxidation of Cu
68. T.K. Prasad  
(K.I. Vasu)  
Diffusion control in solid-fluid reactions
69. K. Narayan Rao

- (K.P. Abraham)  
A thermal analysis calorimeter for the determination of heats of transformations
70. V. Nagarajan  
(M. Mohan Rao)  
Multiphase diffusion in the system Cd-Zn
71. R. Lakshminarayan  
(K.S. Raman)  
Resistometric studies of phase boundaries in Sn-Cd alloy
72. K.M. Khaji  
(K.P. Abraham)  
Kinetics of reduction of cobalt oxide by hydrogen in fluidised bed
73. D.S. Jayasimha  
(K.I. Vasu)  
Extraction of copper from chalcopyrite concentrate by hydrometallurgical treatment
74. R.K. Galgali  
(K.I. Vasu & Y.V.R.K. Prasad)  
A study of the microstructural aspects of the fatigue in 70-30 brass
75. K. Chadramouli  
(D.H. Sastry)  
Mechanical properties of unidirectionally solidified eutectic alloys
76. R. Anand  
(K.I. Vasu)  
Extraction of copper from chalcopyrite concentrate by hydro-metallurgical treatments.
- 1974**
77. T.L. Prakash  
(R.M. Mallya & V.S. Arunachalam (NSL))  
Powder metallurgy of chromium
78. D.L. Saralaya  
(K.I. Vasu)  
Deformation behaviour of chromium
79. J. Subramanyam  
(K.P. Abraham)  
Application of high temperature solid electrolyte galvanic cell
80. V. Narayanan  
(J.P. Hajra)  
Thermodynamics of binary and ternary silicate slags
81. S. Ramachandran  
(P.K. Rohatgi)  
Studies on bearing characteristics of Al-graphite composites
82. H.N. Yogarajan

- (K.P. Abraham)  
Activities in calcium oxide solid solutions
83. A. Sreerama Murthy  
(K.P. Abraham)  
Electroslag remelting of non-ferrous metals and alloys with special performance to titanium
84. C.L. Srinivasa  
(K.I. Vasu & K.S. Raman)  
Slat baths for industrial heat treatment
85. V.N. Mohan  
(P.K. rohatgi & K.K. Prasad)  
Permanent mould casting - A thermal study
86. N. Kodanda Rao  
(A.K. Lahiri)  
Temperature profile in the blast furnace stack
87. S. Ilangovan  
(K.I. Vasu)  
Direct electro-recovery of copper from chalcopyrite concentrates used as a slurry anode
88. A.H. Yagneswaran  
(R.M. Mallya)  
Power metallurgy of stainless steel: Production of austenitic stainless steel power by intergranular and corrosion
89. T. Balakrishna Bhat  
(Kishore & K.I. Vasu)  
Effect of dispersion on ordering in Cu-Au

#### **1975**

90. B.V. Srikanta Pandits  
(R.M. Mallya)  
Submicron particles produced by freeze drying - preparation of nickel ferrite
91. Prabhakar Singh  
(K.P. Abraham)  
Thermodynamic measurements in the MgO-SiO<sub>2</sub> by high temperature galvanic - cell technique
92. B.C. Jana  
(P.K. Rohatgi)  
Bearing characteristics of Al-graphite composites
93. V. Babu Sathyan  
(K.I. Vasu)  
Design and development of acid pumps using high silicon iron

#### **1976**

94. Madhusudhan

(R.M. Mallya)  
Studies on metastable phases

95. M.S. Suryaprakash  
(P.K. Rohatgi)  
Design, fabrication and characteristics of biogas fired crucible furnace
96. V. Didolkar  
(U.B. Nayak)  
Beneficiation of low grade graphite ore from Ganacharpura Mines, Kolar district, Karnataka
97. Ajay Kumar Mishra  
(A.K. Lahiri & K.P. Abraham)  
Reduction of haematite with methane

### **1977**

98. K.P. Panickar  
(R.M. Mallya & A.C. Raghuram (NAL))  
Mechanical alloying
99. R.P. Bhat  
(M. Mohan Rao)  
Studies on the reclamation of Inconel X-750 turbine blades
100. T.G. Prakash  
(K.I. Vasu)  
Processing of chalcopyrite concentrations : Ferric chloride leaching and galvanic cementation
101. K.S. Narayan  
(E.S. Dwarakadasa)  
Isothermal age hardening characteristics of Al-6Zn alloy with .05 Be addition
102. U. Balachandran  
(K.P. Abraham)  
Chemical vapour deposition of titanium carbide on tool steels

### **1978**

103. K. Mohanan  
(K.I. Vasu)  
Electrowinning of copper
104. H.S. Prakash  
(K.I. Vasu)  
Ferric chloride leaching process for the complex copper-lead-zinc concentrates
105. M. Ambethkar  
(K.I. Vasu)  
Surface conversion coatings

### **1979**



106. Sarma, V.S. Vedula  
(Y.V.R.K. Prasad)  
Hot working characteristics of EN36A steel : A study by hot torsion technique
107. V.V.R.S. Sarma  
(D.H. Sastry)  
Effect of grain size on the high temperature yield stress in zinc and cadmium
108. M. Rao Arun  
(K.S. Raman & M.R. Seshadri)  
Studies on inclusion rating and dendrite arm spacing of steel castings
109. S. Rajendra  
(Y.V.R.K. Prasad)  
Design and fabrication of hot extrusion die assembly for the 250 ton hydraulic press
111. Shah, Kamal Kumar  
(M. Mohan Rao)  
Studies on isothermal decomposition of supersaturated phases in the Cu-Zn systems
112. S. Gowrishankar  
(K.I. Vasu)  
Reflectance of metallic mirrors
113. B. Gopala  
(K.I. Vasu & E.S. Dwarakadasa)  
Production of iron powder
114. Ashok Kumar, V. Lad  
(K.I. Vasu)  
Surface conversion coatings on metals

## **1980**

115. R. Raghavendra  
(M.R. Seshadri)  
Structure and property correlation in pearlitic malleable iron casting

## **1981**

116. Subodh Kumar  
(M. Mohan Rao)  
Effect of microalloying on casting characteristics and mechanical properties of Al bronzes
117. Sharad Prakash  
(M. Mohan Rao & M.N. Srinivasan)  
Effect of carbon, silicon and inoculants on the chilling characteristics of Ni-resist irons
118. Animesh Jha  
(K.P. Abraham)  
Studies on the removal of phosphorous from cast iron and ferro-chrome

by electroslog remelting using Ca-CaF<sub>2</sub> slag

119. Radhakrishna Upadhya  
(Y.V.R.K. Prasad & K.S.S. Murthy)  
Fracture toughness studies on Al-4.5 Cu alloy
120. S.T. Badgujar  
(E.S. Dwarakadasa and Kishore)  
Influence of Ti on the age hardening behaviour of Al-6Zn-.01 a Be alloy -  
effect of thermal and thermo mechanical treatments on the  
microstructure, mechanical properties and fatigue
121. Anil Kumar Gupta  
(K.S. Raman and K.S.S. Murthy)  
Effect of iron and room temperature ageing on the hardness of LM 25  
alloy
122. M.B. Lele  
(R.M. Mallya )  
Reduction of ammonium para tungstate and ammonium molybdate by  
hydrogen
123. A. Rama Rao  
(G.N.K. Iyengar & M.N. Srinivasan)  
Study of in mold inoculation of grey cast iron
124. T.V. Venkateswaran  
(E.S. Dwarakadasa)  
A study of distribution of graphite in aluminium graphite composites
125. S.R. Balasubramanian  
(A.K. Lahiri)  
Calorizing of mild steel
126. N.B. Jamakhandi  
(D.H. Sastry)  
Effect of tin on the properties of high silicon S.G. iron

## **1982**

- 127 K.G. Anand  
(Kishore)  
Studies on the effect of heat input and temperature on impact strength of  
microalloyed steel
128. K. Balakrishna Rao  
(M. Mohan Rao & K.S.S. Murthy (ME))  
Studies on the influence of some melting parameters in high strength  
grey iron
129. A.K. Basu  
(A.K. Lahiri)  
Analysis of the rotary kiln process for sponge iron manufacture
130. T. Chandrasekharan -  
(S. Ranganathan & Y.R. Mahajan (HAL))  
Studies on strength and tough ness of 30 kH GSA steel

131. S. Gowri  
(S. Ranganathan & M. Mohan Rao )  
Crystallization behaviour of Fe<sub>40</sub>Ni<sub>38</sub>Mo<sub>4</sub>B<sub>18</sub> (METGLAS 2826 MB)
132. R. Mohan  
(Kishore)  
Studies on jute-glass hybrid fibre composites
133. M.S. Gopalakrishnan  
(M.R. Seshadri & K.S. Raman)  
Welding of Malleable iron
134. N. Raghunathan  
(A.K. Lahiri)  
Temperature simulation and thermal stresses in rolling mill
135. G. Venkatanarayana  
(M.N. Srinivasan & M. Mohan Rao )  
Inoculation of niresist(TYPE-I) influence on structure and mechanical properties

### **1983**

136. Abraham Koshie  
(J.P. Hajra)  
Thermodynamic measurements in alloys using fluoride electrolyte
137. B.P. Mohanty  
(G.N.K. Iyengar & J.P. Hajra)  
Studies on electroslag refining of commercial aluminium
138. Jagadeesha Acharya -  
(K.S. Raman)  
Study of the effect of restraint intensity on weld cracking using ERC test
139. G. Madhusudhan  
(K.S. Raman & M.R. Seshadri)  
Use of eddy current test technique to determine the mechanical properties of gray cast iron
140. V.S.R. Murthy  
(Kishore & S. Seshan)  
Compacted graphite cast iron - a study on properties
141. K.R. James Victor Raj  
(M.N. Srinivasan & Kishore)  
Study on in-mould spheroidisation of spheroidal graphite cast iron
142. A. Rajadurai  
(S. Ranganathan)  
Effect of microstructure and strain rate on tensile behaviour of Ti-6242S alloy
143. E. Ramadasan  
(S. Ranganathan & K. Chattopadhyay )

Active eutectoid decomposition in a hypoeutectoid Zr-Ni alloy

144. S. Ramani  
(A.K. Lahiri & M. Mohan Rao)  
A cold modelling study on the mixing time and oxygen partition in LD convertor
145. V. Sampath  
(D.H. Sastry)  
Electroslag refining of aluminium alloy RR 58 and studies on impression creep and other mechanical properties
146. K. Sampath  
(M.N. Srinivasan & M. Mohan Rao)  
Nihard - micro alloying
147. M.C. Shaji  
(K.I. Vasu)  
Aluminium alloys as sacrificial anodes for galvanic protection of steel
148. C. Shiva Kumar  
(D.H. Sastry)  
Development and properties of electroslag refined RR 58 alloy
149. C. Subramanian  
(Kishore)  
Wear of aluminium graphite particulate composites
150. K. Sujatha  
(R.M. Mallya)  
Iron nickel as a binder in tungsten carbide hard metal
151. S. Vasudevan  
(K. Chattopadhyay & S. Seshan)  
Influence of manganese additions on austenitic spheroidal graphite iron

**1984**

152. P. Asaithambi  
(Kishore)  
Friction and wear studies on HSLA steel and EGP composites
153. Lionel S. Amanna  
(K.I. Vasu & M.V. Bhat)  
Transition from Hall-Petch hardening to superplastic behaviour - a study with Al-6Cu-0.5Zr alloy
154. N.K. Vaidya  
(A.K. Lahiri)  
A selected project report on heat transfer in electroslag refining
155. N. Pitchai  
(A.K. Lahiri & U.B. Nayak)  
Studies on rheological and surface characteristics on the wet grinding of hematite
156. C.G. Sathyanarayana

- (S.Ranganathan)  
Effect of microstructure and strain rate on tensile behaviour of VT-9 alloy
157. S. Srikanth  
(J.P. Hajra & K.T. Jacob)  
Solvent-solute and solute-solute interaction in  $\alpha$ -solid solutions of Cu-As and Ag-As systems - Design of experiment
158. K. Srinivasan  
(S. Ranganathan & K.S. Raman)  
Heat treatment of 30 KAGSNA steel and study of mechanical properties
159. A.O. Surendranathan  
(K.I. Vasu)  
Transition from Hall-Petch region to superplastic region - Investigations with the Zn-Al eutectoid systems
- 1985**
160. P. Parameswaran  
(E.S. Dwarakadasa)  
Property improvement of IS 7670 aluminium alloy by ESR
161. G. Kannayiram  
(K.Chattopadhyay)  
Undercooling of eutectic alloys
162. Kamalesh K Patel  
(K.S.S. Murthy & K.S. Raman)  
Surface finish of gray cast iron castings
163. B. Narasimha Rao  
(D.H. Sastry & M. Mohan Rao)  
Effect of texture and grain size on the mechanical properties of warm worked cadmium - 2.5 Mg alloy
164. Sanjay Kumar Dhua  
(K.Chattopadhyay)  
A search for a metastable miscibility gap in zinc - indium system
165. N.K. Mukhopadhyay  
(S.Ranganathan)  
Effect of chromium addition on phase transformations in nickel-tungsten alloys
166. K.S. Ravichandran  
(Kishore & E.S. Dwarakadasa)  
Effect of thermal treatment on fatigue crack growth behaviour in a 0.22% titanium alloyed chromansil steel
167. Iyer Subramaniam  
(K.S. Raman)  
Investigation of shear damage in composites using acoustic emission analysis
168. R. Sreenivasulu  
(E.S. Dwarakadasa)

Adhesive wear of FCC metals : aluminium, copper and silver

169. Basudev Mishra  
(D.H. Sastry & S. Seshan)  
Forging of S.G. Iron

**1986**

170. Asish Kumar Sinha  
(A.K. Lahiri)  
Cold modelling of bottom blown processes
171. M.V. Ravichandran  
(E.S. Dwarakadasa)  
Toughness evaluation of aluminium -4% magnesium-alumina liquid-  
metallurgy particle composite
172. Arun Kumar Sharma  
(K.Chattopadhyay)  
Studies on age hardening behaviour of lithium containing aluminium alloys
173. Rajesh Prasad  
(S.Ranganathan & K. Chattopadhyay)  
Five-fold symmetry in reciprocal space
174. G.K. Ramesh Prasad  
(D.H. Sastry & S. Seshan)  
Studies on forging and welding characteristics of S.G. Iron

**1987**

175. P.K. Panigrahi  
(E.S. Dwarakadasa)  
Computerised handling and prediction of properties of steels
176. Abhijit Roy  
(K.S. Raman & K.S.S. Murthy)  
Effect of cadmium on ageing characteristics of aluminium-7 silicon-0.3  
magnesium alloy
177. R. Venkataraman  
(Y.V.R.K. Prasad)  
Analytical techniques for strain rate sensitivity evaluation in generating  
processing maps
178. G. Srinivasulu  
(R.M. Mallya)  
Studies on fine silver powder : its preparation and characterisation
179. K. Sree Kumar  
(K.Chattopadhyay)  
Studies on the early stages of hardening in aluminium-lithium alloys
180. Manoj Gupta  
(S.Ranganathan)  
Quasicrystals in aluminium-lithium-copper system

181. T.R. Murali  
(Kishore)  
Wear of die steels
182. Sankha Subhra Sengupta  
(K.S. Raman & E.S. Dwarakadasa)  
Study on low cycle fatigue behaviour of LA 55 HSLA steel and its weldments
183. N. Ravichandran  
(E.S. Dwarakadasa)  
Effect of 1% aluminium addition on the aging kinetics and mechanical properties of Cu-9Ni-6Sn spinodal alloy
184. P. Sudhakar Choudary  
(D.H. Sastry)  
Impression creep on austenitic stainless steel (316 type) weldments

### **1988**

185. Rajat Kumar Sengupta  
(R.M. Mallya)  
Mechanical alloying in the Cu-Fe system
186. Sukhendu Samajdar  
(Kishore)  
Some aspects of fracture in FRP compotes with HTBN-toughened epoxy matrix
187. Sandur Ajith Kumar  
(E.S. Dwarakadasa)  
Ultrathin multilayer metal matrix laminates (Cu/Al, Cu/Cr preparation and properties)
188. K. Srinivasa Rao  
(Kishore)  
Dry sliding and grinding media wear studies on high chromium white cast iron
189. T.V.L. Narasimham  
(Y.V.R.K. Prasad)  
Processing map for copper powder compact
190. B.S. Murthy  
(S.Ranganathan & M. Mohan Rao)  
Studies on solid state amorphization by mechanical alloying
191. Simon Paul  
(Y.V.R.K. Prasad)  
Design and stress analysis for extrusion die assembly and flow analysis for different die geometries
192. Kamles Mundra  
(A.K. Lahiri)  
Bicubic spline smoothing of noisy data in extrusion

193. Kurup Venugopal  
(A.K. Lahiri & K. Chattopadhyay)  
Solidification of metals in a flowing melt - a model study

**1989**

194. Vijay Balakrishna  
(Kishore)  
Influence of alumina additions on the mechanical properties and fracture features of glass fibre-reinforced epoxy composites

195. S. Manjini  
(S.Ranganathan & G.N.K. Iyengar)  
Studies on high Tc  $YB_2Cu_3O_{7-\delta}$  superconductors - Ag substitution and aging.

196. Nihar Kanti Nanda  
(K.A. Natarajan)  
Wear of high chromium cast iron during grinding of Kudremukh iron ore

197. B. Gopala Krishna  
(R.M. Mallya)  
Design and construction of vibration ball mills for mechanical alloying and communication

198. M. Vasudevan  
(M.K. Surappa)  
Fabrication and evaluation of aluminium matrix composites reinforced with SiC particles

199. L. Venkata Rama Rao  
(M.K. Surappa)  
(Preparation and processing of Al-2%, Li-3%, Mg-0.1% Be alloys

**1990**

200. Atul Kumar  
(E.S. Dwarakadasa)  
Anisotropic tensile fracture behaviour of aluminium lithium alloy 8090

201. Sarath Chandra  
(Kishore)  
Some studies on modifications of glass/novolac and glass/resol

202. T. Ramesh  
(K.A. Natarajan)  
Studies on bacterially induced corrosion

203. T. Vijay Bhaskar Reddy  
(A.K. Lahiri)  
Simulation of fluid flow on continuous casting mould

204. Y.V. Sathya Kumar  
(Y.V.R.K. Prasad)



Mechanical processing of copper powder compacts

205. Isukapally Ramana  
(S.Ranganathan & G.N.K. Iyengar)  
Studies on high  $T_c$  superconductors  $\text{Bi}_2\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_x$  -Effect of Pb substitution
- 1991**
206. Bhaskar Dutta  
(M.K. Surappa)  
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207. C.M. Manjunatha  
(A.K. Lahiri)  
Mathematical modelling of solute redistribution during solidification in continuous casting
208. Savala Deva Dath  
(Kishore)  
Studies on wear of glass epoxy systems
209. U. Rama Murty  
(E.S. Dwarakadasa)  
The effect of heat treatment and Li depletion on mechanical properties and fracture of Al-Li alloys
210. L. Ananthanarayanan  
(S. Ranganathan)  
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211. Niladri Dasgupta  
(R.M. Mallya)  
Tape casting for advanced ceramics : design of tape casting machines for ceramic substrates and high temperature superconductors
212. Vinod Rambhau Patil  
(D.H. Sastry)  
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213. M.V.S. Sivaraman  
(Vikram Jayaram)  
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214. Tarasankar Mahata  
(A.K. Lahiri)  
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215. Amit Bandyopadhyay  
(E.S. Dwarakadasa)  
Hydrogen degradation studies of medium strength aluminium alloys 8090, 2091, 2014 and 2024
216. Saibal Basu  
(M.K. Surappa)  
Studies on metal matrix composites
217. Mukesh Kumar  
(R.M. Mallya)  
Thin layer ceramic processing (I) Studies in doctor blade tape casting (II) Arc plasma process for ceramic coatings
218. Ankur Goyal  
(S.Ranganathan)  
Formation and crystallization of Al-Y-(Ni-Cu) metallic glasses
219. Anirudha Vaidya  
(G.N.K. Iyengar)  
Studies on electro-thermal ageing of commercial ZnO varistors
220. D. Sunanda  
(D.H. Sastry)  
Superplasticity in intermetallics - A study in Ti-24 Al-15Nb alloy
221. D. Sivaram  
(Kishore)  
Studies on bond strength of adhesively bonded lap shear specimens
222. Shiv Brat Singh  
(K.Chattopadhyay)  
Preparation, characterisation and hardness studies on nanodispersed Zn-10 wt% Bi alloy

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223. Y. Srinivasa Kumar  
(Y.V.R.K. Prasad)  
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224. P.M. Satish Babu  
(K.T. Jacob)  
Determination of cation distribution in  $\text{CO}_3\text{O}_4$  through Seebeck coefficient measurements
225. Eunny Sridhar  
(A.K. Lahiri)  
Simulation of fluid flow in continuous casting strip tundish
226. S.V. Suryanarayana Murty  
(Y.V.R.K. Prasad)  
Application of dynamic materials modelling for the optimisation of hot

workability and control of microstructure in ceramics - A first report

227. K.V. Sreenivas Rao  
(G.N.K. Iyengar)  
Ageing studies on ZnO based composites for surge arrester applications
228. T.A. Narayana Suthan  
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Spray forming of composites atomization and particle injection
229. Laxmidhar Besra  
(K.Chattopadhyay)  
A comparative study on the microstructural development under different solidification processing conditions in a system showing submerged miscibility gap - The case of Zn-Sn binary alloys
230. Rampada Manna  
(M.K. Surappa)  
Studies on recrystallization of 2024 Al-SiCp composites
231. S. Hari Venugopalan  
(S. Ranganathan)  
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232. P. Srinivasa Rao  
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233. Ravi Kumar Tolety  
(Vikram Jayaram)  
Optimisation of deposition conditions for DLC formation in HFCVD system

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234. K. Saibaba  
(E.S. Dwarakadasa)  
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235. P. Rajasekharam  
(J.P. Hajra)  
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236. M.S.M. Saifullah  
(S.Ranganathan)  
Nanomodulated oxide superlattices by electrodeposition
237. Mohammed Ismail  
(D.H. Sastry)  
Studies on electrochemical corrosion of Mg-Zn-Mn and Mg-Li-Al alloys
238. P. Ravi Sankar Srinivas  
(D.H. Sastry)  
Creep behaviour of 10 vol. % SiC<sub>p</sub> - 6061 Al alloy composite

239. M. Murali Krishna  
(Kishore)  
Friction and wear studies of glass epoxy composite
240. Durvesh B. Ganveer  
(A.K. Lahiri)  
A mathematical model to simulate the flow of fluid in a continuous casting mould
241. Ashutosh Suresh Gandhi  
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Aerodynamic levitation and induction melting for solidification studies on a high temperature oxide system
242. Kiran Balaji Bemarker  
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Thermodynamics of Mn-Mo alloy
243. Srikanta Nandy  
(K.Chattopadhyay)  
A comparative study of the influence of zirconium in non-equilibrium processed aluminium rich aluminium nickel-alloys
244. Prajina Bhattacharya  
(K.Chattopadhyay)  
Synthesis and characterisation of  $\text{SiO}_2$  - Pb and  $\text{Al}_2\text{O}_3$  - Pb nanocomposites prepared by sol-gel route
245. K. Udaya Bhat  
(M.K. Surappa)  
Laser surface treatment of aluminium alloy A356- $\text{SiC}_p$  composites
246. S.V.N. Prasad  
(G.N.K. Iyengar)  
Studies on the synthesis and A.C. conductivities of doped compounds of  $\text{Bi}_2\text{VO}_{5.5}$  aurivillius phase
247. R. Ganesh Kumar  
(E.S. Dwarakadasa)  
Dry sliding wear behaviour of aluminium alloys
248. Ramprasad Nagaraja  
(Y.V.R.K. Prasad)  
Deformation processing of aluminium - 10% zinc alloy (A study using processing maps)
249. K.R.V. Subramanian  
(S.Ranganathan)  
Microstructural evolution in eutectic and hypoeutectic Al-Si alloys during rapid solidification
250. Soman Yogesh Sudhakar  
(K.T. Jacob)

Activity coefficient of oxygen in binary liquid alloys

251. Sucheta N. Mannikar  
(M.K. Surappa)  
Solidification and microstructure studies in  $\text{SiC}_p$  dispersed aluminium alloy composites
252. S. Mahesha Prasad  
A.K. Lahiri  
Statistical analysis of effect of parameters on defects in continuous casting

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253. Soumyajit Mandal  
(A.H. Chokshi)  
Grain growth kinetics of a superplastic Al-33% Cu alloy
254. Anand Subramanian  
(S.Ranganathan)  
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255. T. Seshacharyulu  
(Y.V.R.K. Prasad)  
Processing map for Ti-6Al-4V and simulation of metal forming processes
256. S. Ravindra Godbole  
(A.K. Lahiri)  
A mathematical model to simulate fluid flow in continuous slag casting mould
257. Basavarasu Ranganad  
(T.A. Abinandanan)  
Construction of phase diagram by monte carlo simulation technique
258. P. Markondeya Raj  
(K.T. Jacob)  
Assessment and evaluation of thermodynamic data
259. Tirthankar Dasgupta  
(E.S. Dwarakadasa)  
Dry sliding wear behaviour of Al-Si alloys
260. Ajay Chauhan  
(Vikram Jayaram)  
Phase evolution, segregation and grain coarsening behaviour in  $\text{Al}_2\text{O}_3$ -MgO as synthesized using spray pyrolysis
261. Vinay Kumar Singh  
(Kishore)  
Moisture effect on graphite containing glass/epoxy composites
262. Neil Savio D'Souza  
(A.H. Chokshi)  
Densification and grain growth in 8-Mole% Yttria stabilized cubic zirconia

263. Kanad Saha  
(J.P. Hajra)  
Evaluation of thermodynamic properties of Mn-Mo alloys by the isopiestic technique
264. Sanyasi Rao  
(S. Subramanian)  
Flotation studies on calcite and dolomite
265. B. Seshasail  
(M.K. Surappa)  
Synthesis of Al-TiCp composite by in-situ process and its characterization
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267. Mukesh Bharadwaj  
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268. R. Balasubramanya  
(K.T. Jacob & G.N.K. Iyengar)  
Thermodynamics of cation distribution in spinels : A phenomenological
269. Srinivasan Raghavan  
(V.Jayaram)  
A study on the processing and 'levitation induction' sintering of composite powders
270. Sanjay Kumar  
(S.Ranganathan)  
Synthesis and crystallisation studies of  $Al_{85}Ni^5Y^9M$  (M=Fe, Ti,Mg) metallic glasses
271. Snehasish Chakraborty  
(A.K. Lahiri)  
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272. Manish Mandal  
(K.T. Jacob)  
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(K.Chattopadhyay)  
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(S.Ranganathan)  
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275. D. Usha  
(Y.V.R.K. Prasad)  
Design for triaxial compaction of powder and hot working of distaloy compact
276. Shashishekara Adiga  
(T.A. Abinandanan)  
Molecular dynamics simulation of vacancy migration under external forcing
277. Prashant Kumar Sharma  
(K.A. Natarajan)  
Biocorrosion studies of some structural materials in presence of Bacillus Polymyxa
278. Kasichainula Sridhar  
(K.Chattopadhyay)  
Studies on thermo-electric power of Cu<sub>2</sub>Te synthesized by mechanical alloying and grinding
279. Gautam Mukherjee  
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280. A. Papayya Raju  
(T.A. Abinandanan)  
Precipitation in ternary systems : a Monte Carlo study
281. Ajay K. Ghode  
(M.K. Surappa)  
Wear studies on A356 and A356-SiCp hybrid composites under dry sliding condition
282. Ashish Garg  
(S. Ranganathan)  
Fabrocaion of Al based composites by liquid phase sintering and interface characterisation
283. Nikhil Gupta  
(Kishore)  
Fabrication and characterisation of syntactic foams and their sandwiches
284. K.V. Ravi sankar  
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High temperature deformation and cavitation in 300 ppm magnesia doped alumina
285. Pritha Choudhury  
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Thiobacillus ferrooxidans

286. Alope Paul  
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Beneficiation of iron ore minerals
287. M. Phaniraj Prabhakar  
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Mechanical alloying in Al-Cr and Al-Cr-Zr systems
288. Ratna Pal  
(Vikram Jayaram)  
Synthesis and characterisation of finely dispersed Pb in alumina
289. S.K. Pradhan  
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UHMWPE-CSP (Coconut shell powder) composites, processing and characterisation
290. K.K. Prashanth  
(K. Chattopadhyay)  
Laser surface cladding of copper on iron substrate
291. Sujata Hazra  
(A.K. Lahiri)  
Simulation of flow behaviour in reduction shaft of corex process

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292. U. Rama Krishna  
(M.K. Surappa & D.H. Sastry)  
Tribological behaviour of Al-Si-SiCp composites/automobile brake pad system under dry sliding conditions
293. Amitava Mukherjee  
(K.A. Natarajan)  
Biooxidation studies on gold bearing pyrite-arsenopyrite concentrates
294. Pankaj Kumar Jain  
(Vikram Jayaram)  
Processing and characterization of SiCp reinforced (Al-AlN) matrix composites produced by directed melt nitridation
295. N. Sirish  
(A.H. Chokshi)  
High temperature deformation behaviour of 3 mol% yttria stabilized tetragonal zirconia
296. A. Krishna Kanth  
(J.P. Hajra)  
Thermodynamics of Mn-Mo alloy system using the isopiestic technique
297. P. Vasanth Kumar  
(Govind S Gupta)  
Computer simulation of Acheson process
298. Suman Babu Adduri



- (E.S. Dwarakadasa)  
Dry sliding wear behaviour of Mg alloys
299. K.V. Narasimha Rao  
(M.K. Surappa)  
Investigation of serrated flow in Al-10%Mg alloy
300. A.V. Ravikumar  
(E.S. Dwarakadasa)  
Evaluation of wear and corrosion behaviour of magnesium based alloys and composites (AZ91 + 10% SiCp)
301. Shantanu V. Madge  
(S. Ranganathan)  
Mechanical alloying of Zr-based bulk metallic glass forming alloys
302. Anindya Poddar  
(K. Chattopadhyay)  
Microstructural development of aluminium-silicon-bismuth alloy clad using laser beam
303. A. Srinivasulu  
(Kishore)  
Effect of moisture on the mechanical properties of glass or carbon fiber reinforced epoxy composites
304. S. Sundarsriram  
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Effect of cryogenic treatment on tool steels
305. Subrata Pal  
(A.K. Lahiri)  
One-dimensional steady state multi phase mathematical model of melter gasifier
306. Tarun Kumar Kundu  
(K.A. Natarajan)  
Modelling for biooxidation of gold bearing pyrite-arsonopyrite concentrates in a continuous flow stirred tank bioreactor
307. Basab Bhattacharya  
(S. Ranganathan)  
Melt spinning of Al based glass forming alloys : A study
308. Saurabh Nigam  
(Subodh Kumar)  
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309. G. Sudhakar  
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(A.M. Raichur)  
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311. Patel Masrur Mubashar  
(Subodh Kumar)  
Investigation of serrated flow in Al-5% Zn-1%Mg alloy
312. T.V. Jayaram  
(K.S. Raman & S. Seshan)  
Production of near net shape castings – through plaster of paris moulds
313. Nachiketa Shukla  
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Synthesis, crystallisation and mechanical properties of Mg-based amorphous alloys
314. M. Jyoti Basu  
(A.M. Raichur)  
Removal of fluoride from solution by adsorption
315. J. Srikanth  
(K.A. Natarajan)  
Studies on bioprocessing of titania using bacillus polymyxa
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(D.H. Sastry)  
Studies on the creep behaviour of powder processed Fe-40 at. % Al alloys
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(G.S. Gupta)  
Conjugate mass transfer around a spherical particle in unsteady state condition
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A diffuse interface model simulation of grain boundary grooving
319. Suman Kumar Mitra  
(K. Chattopadhyay)  
(Investigation on the synthesis of bulk metallic glass in Zr-Ti-Cu-Ni-Al based alloy system
320. Krishanu Biswas  
(K. Chattopadhyay)  
Development of quasicrystalline coating of Al-Cu-Fe system by laser cladding and detonation gum process
321. Sanjit Bhowmick  
(A.H. Chokshi)  
High temperature deformation of fine grained equal channel angular extrusion processed 2124 Al alloy
322. Anasua Maiti  
(Kishore)  
Effect of hygrothermal aging on the compressive strength and fractography of glass-epoxy composite

323. Debdutt Patro  
(V. Jayaram)  
Phase evolution studies in ZnO-Al<sub>2</sub>O<sub>3</sub> as synthesised by spray pyrolysis and by citrate-gel routes
324. S.S.V. Ravikumar  
(T.A. Abinandanan)  
Modelling of nucleation
325. Rajendra Prasad Biswal  
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Novel studies on joining of aluminium and steel using the electroslog technique
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(Kishore)  
Study of hygrothermal absorption and compression strength in glass-epoxy composite
327. Indrajit Charit  
(A.H. Chokshi)  
High temperature deformation characteristics of a low purity 3 mol% yttria Stabilized zirconia
328. Samaresh Changdar  
(E.S. Dwarakadasa)  
Influence of spray forming on the wear behaviour of hypereutectic Al-20%Si alloys
329. P. Rajani  
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Effect of processing parameters on ring rolling of Ti-6Al-4V
330. Sandeep Kumar Vishwakarma  
(G.S. Gupta)  
Transient modelling and computer simulation of multiple hearth roaster
331. H. Sanjay  
(M.V. Bhat)  
Studies on corrosion of nodular cast iron in aqueous sodium chloride solution
332. Sarmistha Samanta  
(Subodh Kumar)  
Manufacturing of functionally gradient material in an Al-5Zn-1Mg alloy specimen
333. Chandan Mondal  
(M.K. Surappa)  
Studies on microstructural evolution and recrystallization behavior of Al-10Mg/SiCp composite by EBSD technique
334. Ajitesh Narayan  
(K.S. Raman & S. Seshan)  
Studies on squeeze cast magnesium alloys
335. Nirmal Kumar

- (A.K. Lahiri)  
Partitioning of heat for gas solid reaction
336. Samrat Choudhury  
(V. Jayaram)  
High-pressure low-temperature densification behaviour of amorphous  $\text{Al}_2\text{O}_3$ -37.5 mole%  $\text{Y}_2\text{O}_3$
337. Partha Patra  
(K.A. Natarajan)  
Studies on bioprocessing of zirconia
338. Niroj Kumar Dash  
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Development of protective surface coating produced by thermal spray and slurry coating processes
339. Chhail Kumar Behera  
(K.T. Jacob)  
Activities of spinel components in the pre-reduced chrome ore : Modelling and experiment
340. G. Sunil Kumar  
(S. Subramanian & A.K. Lahiri)  
Studies on development of plain carbon steel-alloy bimetallic joints by electroslag remelting process
341. K. Venkatasai Prasad  
(D.H. Sastry)  
Studies on peripheral grain growth in extruded 2014 Al alloy
342. Sachin P Deshmukh  
(S. Ranganathan)  
Oxidation studies of  $\text{MoSi}_2$  composites
343. Yogeshwari Prasad Pandey  
(A.K. Lahiri)  
Simulation of fluidized bed in corex process
344. Pande Aniruddha Suresh  
(M.K. Surappa)  
Dry sliding wear study of Al-Si-SiCp composites against automobile brake pad
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345. Lakshya Kumar  
(E.S. Dwarakadasa)  
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346. Manas Ranjan Nayak  
(A.K. Lahiri)  
Studies on blast furnace hearth drainage and mixing characteristics inside a packed bed

347. Sthitadhi Das  
(Kishore)  
Effect of absorption in water and NaCl media on the compressive strength of jute fibre reinforced epoxy system
348. Pritish Bhattacharya  
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A fourier spectral method of studying spinodal decomposition
349. Rajiv Ranjan Bhardwaj  
(Subodh Kumar)  
To study the effect of plate thickness and crack orientation on fracture toughness behaviour of 7010-T6 aluminum alloy
350. Suchismita Sanyal  
(K. Chattopadhyay)  
Microstructural development in laser cladding and remelting of Al-Si-Bi on Al-Si substrate
351. Shivkumar Khaple  
(S. Subramanian)  
Life cycle assessment of lead in a secondary lead smelting plant
352. Kaushik Roy  
(S. Ranganathan)  
Synthesis, crystallisation and characterisation of Mg-TM-RE metastable alloys
353. Parveen Sood  
(K.T. Jacob)  
Thermodynamics of undoped rare earth manganates for CMR applications

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354. Amitabh Kumar  
(S. Subramanian)  
Studies on production of FeAl by electroslag remelting process
355. Atish Kumar Ray  
(K. Chattopadhyay)  
Studies on undercooling of copper-phosphorous binary alloy
356. Rashmi Ranjan Mohanty  
(T.A. Abinandanan)  
A diffuse interface model study of spinodal decomposition inside a particle
357. Subhash S. Mahajan  
(Kishore)  
Compression and short beam test on dry and water exposed surface treated ash particulate in epoxy composites
358. Ranjan Datta  
(S. Ranganathan)  
Synthesis, crystallisation and microstructural evolution of iron based metallic glasses

359. Arijit Maitra  
(A.K. Lahiri)  
Mathematical modeling of blast furnace hearth drainage
360. Y. Sriramulu  
(Subodh Kumar)  
Effect of thickness and width on fracture toughness of 7010-T6 aluminium alloy
361. Neelapu Ravi Kumar  
(U. Ramamurty)  
Mechanical characterisation on Mg/SiC composites
362. Sudheer Kumar Puvvula  
(U. Ramamurty)  
Projectile velocity dependent energy adsorption characteristics of a closed-cell aluminum foam
- 2003**
363. Swati Biswas  
(M.K. Surappa)  
Studies on driven systems : The case of Cu-Ag and Cu-Ag-Fe
364. B. Shyam Sundar  
(A.H. Chokshi)  
Hot working of as-cast dilute magnesium alloys Mg-2.2 Al-0.5Mn and Mg-2.3 Al-1.06 Zn-0.5Mn
365. Ashok Kumar Mondal  
(J.P. Hajra)  
Thermodynamics and phase equilibria in the selected quaternary III-V semiconductor alloys
366. Niraj Nayan  
(U. Ramamurty)  
Mechanical fatigue in Ni-Ti shape memory alloys
367. Shivajiv Sinha  
(Subodh Kumar)  
Effect of thickness, crack orientation and heat treatment on fracture toughness of 7010 aluminium alloy
368. Virendra Singh  
(D.H. Sastry)  
Effect of niobium and titanium on the creep behaviour of Fe<sub>3</sub>Al
369. M.C. Kumaran  
(U. Ramamurty)  
Energy absorption characteristics of aluminium foam during conical indentation
370. Bontha Kiran Kumar  
(Kishore)  
Dependence of impact properties on the bond area at the interface of neat epoxy slabs

371. Somnath Bhattacharyya  
(G.S. Gupta)  
Measurement of liquid hold-up in presence of gas flow in a packed bed
372. Sanjay Agarwal  
(A.K. Lahiri)  
Effect of ball milling on reduction of iron ore using coal
373. Sandip P Harimkar  
(Kishore)  
Response to impact in epoxy systems containing short fibers and/or oxide particle reinforcements
374. Naba Kishore Kalo  
(V. Jayaram)  
High-pressure low-temperature densification behaviour of amorphous  $\text{Al}_2\text{O}_3$ -20% $\text{ZrO}_2$
373. Bakshi Srinivasa Rao  
(S. Ranganathan)  
Crystallization kinetics, thermal stability and microstructural evolution of Fe-Co based metallic glasses
372. Prachi Galgalikar  
(M.K. Surappa)  
Investigation of serrated flow in Al-7Mg-20% SiCp composite
373. Nitin P Wasekar  
(S. Subramanian)  
Effect of processing route on impact toughness and tensile strength of B2 FeAl intermetallics
374. Mrigandra Singhai  
(A.M. Raichur)  
Removal of Arsenic from synthetic waste water using fly ash and optimization of parameters using statistical analysis
375. Randhir Singh  
(K.T. Jacob)  
A study on mass/charge transport in mixed conducting solid oxide fuel cell

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380. Bhesetti Siva Suri Chandra Rao  
(Subodh Kumar)  
Creep and wear behaviour of AE42 alloy and AE42+20% saffil composite
381. M. Suresh Kumar  
(Kishore)  
Mechanical behaviour of polymeric systems with varying adhesively bonded area
382. M.J.N.V. Prasad  
(A.H. Chokshi)  
Work hardening and rate sensitivity of copper at room temperature as a function of grain size

383. S. Vijay Karthik  
(V. Jayaram)  
Preparation and characterization of lead zirconate titanate (PZT) films by flame spray pyrolysis
384. Kulbhashkar Singh  
(M.K. Surappa)  
Processing and characterization of magnesium alloy (AZ91) – fly ash composite
385. Korimilli Eswara Prasad  
(A.K. Lahiri)  
Simulation of cooling rate in Al-Mg alloys and structure – property correlations
386. Tanay Ray  
(J.P. Hajra)  
Thermodynamics and adsorption behaviour of the nano phases in the Bi-Sn system
387. Prashant Kumar Kulshreshtha  
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Hygrothermal and post-impact effects on mechanical properties of glass-reinforced epoxies
388. M. Prakash Kini  
(V. Jayaram)  
Processing of  $Al_2O_3$  –  $ZrO_2$  – SiC nanocomposites by pressure aided densification of bulk amorphous compacts
389. G. Srikant  
(U. Ramamurty)  
Strain distribution underneath a Vickers indenter
390. Sushil Kumar Giri  
(U. Ramamurty)  
Fatigue in Ni-Ti-Fe shape memory alloys
392. P. Prakash  
(A.M. Raichur)  
Synthesis and characterization of nickel oxide nanoparticles through microemulsion technique
393. Abhijit Pramanik  
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Microstructural evolution in laser surface alloyed Al-Sn
394. M. Kodandaram  
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Effect of anisotropy in interfacial energy on microstructural evolution during spinodal decomposition
395. E. Venugopala Rao  
(A.H. Chokshi)  
Hot deformation characteristics of extruded magnesium AM20 alloy
396. Rowthu Veera Babu



(S. Subramanian)  
Processing of aluminium – titanium alloys and aluminium – based metal matrix composites by electroslag refining.

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397. Amitesh Madeshia  
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Glassy phase embedded in crystalline matrix
398. Gaurav Singh  
(T.A. Abinandanan)  
A phase field model of thermal grooving of grain boundary
399. Pradeep Kumar Kraleti  
(V. Jayaram)  
Contact fatigue behaviour of TiN films by indentation technique
400. Yashvant Singh  
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Surface chemical studies on graphite suspension in aqueous media using different dispersants
401. Shakti Pravesh  
(S. Subramanian)  
Removal of iron from clay using chemical leaching and bioleaching techniques
402. Manish Gopal  
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403. Lav Maheshwari  
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