List of Ph.D. Graduates

1971

1. K.S. Raman
(K.I. Vasu)
Resistometric studies of solute vacancy interactions and clustering kinetics in an FCC matrix (Al-Zn alloy with Ag, Co, Dy, Li, Nb, Pt, Sn, Y or Yb)

2. E.S. Dwarakadasa
(K.I. Vasu)
Resistometric studies of clustering and solute vacancy interactions in some aluminium alloys

3. D.H. Sastry
(K.I. Vasu)
Thermally activated deformation in CPH metals and the effect of crystal structure on the mechanism of low temperature creep in metals

4. Y.V.R.K. Prasad
(K.I. Vasu)
Effect of stacking fault energy, quenched-in defects and solute atoms on the low temperature deformation mechanism in FCC metals

5. S. Seetharaman
(K.P. Abraham)
Thermodynamic properties of some binary metal oxide solid solutions

1972

6. Y.M. Faruq Marikar
(K.I. Vasu)
Electrometallurgy of the iron group metals and alloys: Studies in the fluoborate bath

7. Krishna Kant Prasad
(K.P. Abraham)
Thermodynamic properties of some binary metal oxide systems

8. K. Narasimha Murthy
(K.I. Vasu)
Resistometric studies of precipitation kinetics in aluminium-silver alloys (Al-0.2 to 0.3 Ag alloys, and Al-0.64Ag alloy with Nb, Si, Ge, Ti, Gd, Sn or Pb)

1974

9. V.V.V.N.S. Ramakrishna Rao
(K.P.Abraham)
Kinetic aspects of gas/solid reactions of metallurgical interest

10. Tarasankar Deb Roy
(K.P. Abraham)
Kinetic investigations on gas-solid reactions

11. Kishore
(K.I. Vasu)

On the nature of clustering and strengthening in a quenched and aged aluminium 2% germanium alloy-resistometric, microscopic and low temperature deformation studies.

12. R. Chandrashekar
(K.I. Vasu)
Stress corrosion of aluminium 8% magnesium alloy (effect of nature of stress, heat treatment and trace additions of B and Be)

1975

13. T.C. Kasiviswanathan
(K.I. Vasu)
Corrosion and related electrochemical studies on zirconium (in nitrate melts, nitrate fluoride melts and aqueous nitrate solutions)

14. H. Ravindranath Shetty
(Y.V.R.K. Prasad and K.I. Vasu)
Superplasticity and stress corrosion cracking behaviour of zinc- aluminium and copper-aluminium alloys (effect of mechanical, metallurgical and environmental factors)

15. V. Sivan
(G.N.K. Iyengar)
Kinetic studies on gas solid reactions of metallurgical interest

1976

16. T. Hanumantha Rao
(K.I. Vasu)
Oxide-dispersed copper nickel composites and kinetics

17. Uppala Ratnam
(K.P. Abraham and J.P. Hajra)
Studies on electroslag melting of quality steels and nickel base alloys

18. Placid Rodriguez
(K.I. Vasu and M.K. Asundi, BARC)
Low temperature deformation in hard HCP metals

19. N.S. Srinivasan
(A.K. Lahiri)
Studies on the reduction of iron oxides by carbon

20. V.S. Raghunathan
(K.I. Vasu & B.B. Sharma)
Diffusion in transition metals alloys

1977

21. A.K. Bhutani
(K.P. Abraham)
Studies on electroslag remelting

22. Ch. Virupaksha Shastry
(D.H. Sastry and K.I. Vasu)

Deformation characteristics of BCC metals

23. E. Elaya Perumal
(K.I. Vasu and J. Balachandra)
Stress corrosion cracking of Zr & zircaloy 2 in Ch_3OH-(HCL, I_2) solutions

24. S. Raghavan
(G.N.K. Iyengar and K.P. Abraham)
Thermodynamic investigations on binary metal oxide solutions by the solid electrolyte techniques

25. C.R. Vijayasimha
(K.I. Vasu and V.G. Kubair,CH)
Heat transfer of liquid metals

1979

26. D. Banerjee
(K.I. Vasu)
Phase equilibria and transformations : A microstructural characteri-sation of some Ti-Al-Mo alloys containing the γ - phase

27. N. Jayaraman
(M. Mohan Rao)
Studies on maraging and reversion to austenite in Fe-12Ni-4Mn maraging steel

28. A.H. Yegneswaran
(K.S. Raman)
Effect of crystallographic texture and grain size on the mechanical properties of warm worked Cd, Cd-1.5Zn and Cd-1Ag alloys

29. S. Ilangovan
(K.I. Vasu)
Galvanic cementation winning of copper from chalcopyrite leached with ferric chloride solution

30. Deonath
(P.K. Rohatgi)
Preparation and properties of cast aluminium alloy-mica particle composite

31. N.K. Jain
(Y.V.R.K. Prasad and K.P. Abraham)
Hot working and deformation mechanism in electroslag refined materials (En 36A steel and RR 58 aluminium alloy)

1980

32. H.V. Sudhaker Nayak
(Y.V.R.K. Prasad and K.I. Vasu)
Texture-dependent stress corrosion failure of commercial titanium and Ti-6Al-4V alloy sheets in methanol bromine solution

33. J. Subrahmanyam
(K.P. Abraham and A.K. Lahiri)
Chemical vapour deposition of titanium carbide from titanium tetrachloride-toluene-hydrogen gas mixtures

34. Mohan G. Hebsur
(Y.V.R.K. Prasad and K.P. Abraham)
Effect of electroslag refining on hot workability, fracture toughness and fatigue crack propagation in EN24 and EN52 steels

1981

35. M.V. Bhat
(K.I. Vasu)
Stress-corrosion characteristics of Al-5%Zn and Al-5%Cu alloys and effect of Ti addition

36. Srinivas D Sastry
(Y.V.R.K. Prasad, K.P. Abraham and P.K. Rohatgi)
Influence of microstructure on strengthening and fracture mechanisms in electroslag refined Fe-12Cr-6Al ferritic stainless steel

37. Anand Jagu Katkar
(K.I. Vasu)
Corrosion behaviour of nickel silver and cupro-nickel in sea water

38. G. Sambasiva Rao
(Y.V.R.K. Prasad)
Influence of texture on the grain boundary strengthening and fracture in hot rolled Mg and Mg alloys

1982

39. Sardari Lal Mannan
(Y.V.R.K.Prasad, K.I.Vasu and P.Rodriguez, IGCAR)
Influence of grain size on the flow and fracture in AISI Type 316 stainless steel at elevated temperature.

40. G.S.Murthy
(D.H.Sastry)
Impression creep and the mechanism of high temperature deformation in zinc and cadmium

41. P.K.Biswas
(E.S.Dwarakadasa and P.K.Rohatgi)
Influence of internal chills on the structure and properties of aluminium alloy castings

42. A.W.S. Kurny
(R.M. Mallya and M.Mohan Rao)
Studies on ion nitriding

1983

43. A.M.Sriram Murthy
(Y.V.R.K.Prasad and S.N.Tewari, DMRL)
Influence of microstructure on the deformation and fracture behaviour of a nickel-33% molydbenum-5.7% aluminium in situ composite

44. Ram Chandra Prasad

(K.I.Vasu and E.S.Dwarakadasa)
A fracture mechanics study of corrosion fatigue: Influence of microstructure on crack propagation rates in heat treated 7075Al clad aluminium alloy

45. M.Venkatraman
(J.P.Hajra)
Thermodynamics of Ni-Mn and Ni-Mn-Co alloys

46. P.C.Angelo
(M.Mohan Rao and D.P.Lahiri, DMRL)
Ternary diffusion studies in iron-cobalt-vanadium alloys

1984

47. R.K.Dayal
(Y.V.R.K.Prasad, M.V.Bhat and J.B.Gnanamurthy, IGCAR)
Effect of texture, grainsize and carbide precipitation on the crevice corrosion behaviour of austenitic stainless steels in acqueous medium: Metallurgical, chemical and electrochemical aspects

48. J.M.Juneja
(K.P.Abraham and G.N.K.Iyengar)
Themodynamic investigations on some alloy systems of interest in metallothermic reductions by vapour pressure: Measurements and thermogravimetry

49. R.Sundaresan
(K.I.Vasu, R.M.Mallya and A. C. Raghuram, NAL)
Kinetics sintering in beta titanium systems: A model for enhanced diffusional mass flow by transformation induced dislocations during isothermal sintering of titanium and Ti-6Al-4V alloy

50. Prabhakar Sastri
(A.K.Lahiri)
Central atoms: Models for silicate and aluminate melts

1985

51. Saradindukumar Ray
(D.H.Sastry and P.Rodriguez, IGCAR)
Some aspects of the deformation characteristics of austenitic stainless steel 316 and high purity aluminium in tension, creep and stress relaxation

52. E.S.Bhagiradha Rao
(R.M.Mallya, D.H.Sastry and V.S.Arunachalam, DMRL)
Studies on mechanical alloying of Ni-20Cr-2ThO2

1986

53. S.Ramesh Babu
(A.K.Lahiri and M.Mohan Rao)
Studies on drop formation at conical and capillary tips

54. T.S.Sampath Kumar
(R.M.Mallya and M.S.Hegde, SSCU)

Electron spectroscopic studies of surface segregation and oxidation of Cu and Ni based alloys and low temperaturepreparation and characterisation of intermetallics based on the system Fe-W-Mo

1987

55. I.Sambasiva Rao
(Y.V.R.K.Prasad and E.S.Dwarakadasa)
Constitutive flow behaviour and processing maps for magnesium and magnesium -1.5 zirconium

56. T.Asokan
(G.N.K. Iyengar and G.R.Nagabhushana, HVE)
Developmental studies on ZnO based composites for surge arrester applications

57. V.S.Raja
(S.Ranganathan and Kishore)
Thermal and chemical stabilities of three Fe-Ni base metallic glasses

1988

58. M.N.Raghavendra Rao
(Y.V.R.K.Prasad Kishore, B.Dattaguru, AE and R.Peravali, ADE)
Non-destructive evalluation of crack like defects and delaminations in GFRP composites application of acousto-ultrasonics and acoustic emission techniques

59. Asok Kumar Ray
(E.S.Dwarakadasa and K.S.Raman)
Studies of fatigue crack growth and fracture toughness in LA55 HSLA steel butt welds

60. N.Thangaraj
(S.Ranganathan and E.S.Raja Gopal, Phy)
Electron microscopy of quasicrystalline phases in aluminium-manganese and aluminium-palladium alloys

61. S.Ranganathan
(J.P.Hajra)
Themodynamic studies on Cr-Mn, Cr-Mn-O and Cr-Mn-Co systems using an isopiestic technique

62. R.Akila
(K.T.Jacob and A.K.Shukla, SSCU)
Solid state galvanic sensors - Some studies on concepts and materials

63. K.S.Ravichandran
(E.S.Dwarakadasa and Kishore)
Microstructural aspects of near threshold fatigue crack growth and crack closure in HSLA steel and Ti-6Al-4V alloy

1989

64. Gouthama
(Kishore)

Electron microscopic study of precipitation in an Al-Ge alloy analysis using near-CSL/DSC lattice model

65. K.Rajendra Udupa
(G.N.K.Iyengar and D.H.Sastry)
Effect of electroslag re fining on composition, structure and mechanical properties of En 24 and MDN 250 steels

66. A.Rajadurai
(E.S.Dwarakadasa)
Effect of 1 wt% Al/Si addition on the phase transformation, tensile and fracture behaviour of Cu- 9Ni-6Sn spinodal alloy

1990

67. N.K.Mukhopadhya
(S.Ranganathan and K.Chattopadhyay)
Some aspects of synthesis, structure and stability of quasicrystals

68. R.L.Saha
(K.T.Jacob and P.Rama Rao, DMRL)
Casting technology for titanium and titanium alloys characterisation of metal mould reactions in zircon sand and investment moulds and evaluation of a hypo-eutectic cast Ti-Si alloy

69. V.Sampath
(E.S.Dwarakadasa)
Electroslag refining and structure property correlation studies of the aluminium alloy IS:7670

70. S.Srikanth
(K.T.Jacob)
Thermodynamics of alloys: Theory, experiment and application

71. D.Sundararaman
(S.Ranganathan and V.S.Raghunathan, IGCAR)
Phase tranformation in Ti-N and Ti-Fe-N alloys and superconductivity

72. M.K.Yelloji Rao
(K.A.Natarajan)
Electrochemical aspects of interactions among ball materials and minerals with reference to grinding and flotation of complex copper lead-zinc sulphides

73. Baldev Raj
(S.Ranganathan, P.Rodriguez, IGCAR and A.K.Rao, AE)
Acoustic emission for characterising, deformation and fracture during tensile testing in austenitic stainless steels

74. G.M. Kale
(K.T.Jacob and G.N.K.Iyengar)
Thermodynamic studies on selected ceramic oxide systems

75. V. Thiruvenkataswamy
(S. Ranganathan and K. Chattopadhyay)
Non equilibirum solidification of pure metals (Al, Cu, Ni), bismuth, eutectic Al-Ge and Al-Cu and peritectic Al-Cr alloys

76. T.A. Bhaskaran
(S. Ranganathan and R.V. Krishnan, NAL)
Microstructural studies of rapidly solidified titanium eutectoid alloys

1991

77. R. Seshadri
(R.M. Mallya and R.V. Krishnan, NAL)
Centrifugal splat quenching and secondary atomization of titanium alloys (Ti-6Ai-4V & Ti-6.5Al-3.3Mo-1.6Zr-0.3S)

1992

78. K. Raviprasad
(K. Chattopadhyay)
Microstrucutral evolution during ordering and magnetic properties of rapidly solidified Fe-Si alloys

79. M. Valsan
(D.H. Sastry and S.L. Mannan, IGCAR)
Some aspects of deformation and fracture in low cycle fatigue of a nimonic PE 16 superalloy

80. N. Ravichandran
(Y.V.R.K. Prasad)
Effect of impurities and hard particles on the characteristics of dynamic recrystallization during hot working of aluminium and copper –A study using processing maps

81. B.S. Murthy
(S. Ranganathan and M. Mohan Rao)
Study of amorphous phase formation by mechanical alloying in Ti based systems

1993

82. D. Padmavardhani
(Y.V.R.K. Prasad)
Influence of the constitutive behaviour of a and ß phases on the mechanisms of hot working in a - b brasses and nickel silvers: A study using processing maps

83. J.K. Chakravartty
(Y.V.R.K. Prasad, M.K.Asundi and S. Banerjee, BARC)
Optimization of hot workability and control of microstructure in zirconium alloys using processing maps : Zirconium, Zircalloy-2, Zr-2.5Nb and Zr-2.5 Nb-0.5 Cu

1994

84. N. Srinivasan
(Y.V.R.K. Prasad)
Influence of impurities and alloying additions on the processing maps for hot working of nickel and nickel-base superalloys Ni, Ni-C, Ni-C-S, Ni-20Cr, IN 600, IN 718, Nimonic-75, 80A and 90

85. Alok Singh
(S. Ranganathan)
Decagonal quasicrystals and related phases in aluminium- transition metal alloys : Al-Mn-Fe, Ni, Cu, Zn

86. Ramasis Goswami
(K. Chattopadhyay)
Microstructures, solidification, melting and transport properties of nanodispersoids in immiscible alloy systems

87. Tom Mathews
(K.T. Jacob and J.P. Hajra)
Phase equilibria and thermodynamic studies on selected ceramic oxide systems

88. S. Murali
(K.S. Raman and K.S.S. Murthy, ME)
Influence of trace additions on the microstructure, mechanical properties and age hardening characteristics of Al-7Si-0.3 Mg cast alloy with iron impurity

1995

89. D.K. Bhattacharya
(E.S. Dwarakadasa and Placid Rodriguez, IGCAR)
Characterization of microstructures in steels by magnetic and ultrasonic techniques

90. T.V.L. Narasimha Rao
(D.H. Sastry and M.V. Bhat)
Aqueous corrosion and a fracture mechanics study of stress corrosion cracking in magnesium alloys (Mg-Li-Al; Mg-Li-Al-X and Mg-Zn-Mn)

91. T. Chandrasekaran
(Kishore)
Kinetics of size reduction and associated wear of grinding media - study using a ball mill

92. D.N. Drakshayani
(R.M. Mallya)
Reactivity of Solids : Effect of dopants on the low temperature hydrogen reduction of ferric oxides and metastable spinels

93. O. Sivakesavam
(Y.V.R.K. Prasad, P. Rama Rao and G.G. Saha, DMRL)
Effect of processing history and initial microstructure on the hot working behaviour of magnesium, Mg-Zn-Mn, Mg-Li-Al and Mg-Li-Al-Zr Alloys : Characterisation with processing maps.

94. K. Padmanabhan
(Kishore)
Failure analysis of glass, carbon or kevlar fibre reinforced epoxy based composites in static loading conditions.

95. K. Asokkumar
(K.S.Raman and M.N.Chandrasekharaiah, WRI)
Studies on induction pressure welded steel joints

96. R. Nagarajan
(K.Chattopadhyay and S. Ranganathan)
Metastable and nanostructured titanium-nickel and titanium- nickel-aluminium alloys

1996

97. Bhaskar Majumdar
(K. Chattopadhyay and J.P. Hajra)
Thermodynamics and microstructural development in immiscible systems processed through different routes

98. Dharmendra Gupta
(A.K. Lahiri)
Water model study of fluid flow and slag enetrainment in a continuous slab casting mold

99. S. Manjini
(S. Ranganathan and G.N.K. Iyengar)
Studies on high Tc Yba2Cu3O6+x : Stability, silver addition and thin films

100. K.M. Satyalakshmi
(R.M. Mallya and M.S. Hegde, SSCU)
Studies on superconducting, metallic and ferroelectric oxide thin films and their heterostructures grown by pulsed laser

101. Rajan Ambat
(E.S. Dwarakadasa)
Aqueous corrosion and high temperature oxidation studies of aluminium-lithium alloys

102. A.K. Srivastava
(S. Ranganathan)
Studies on rapidly solidified Al-Mn-Cr-Si and Al-Fe-V-Si alloy : Processing - Microstructure correlation

103. N.V. Ravi Kumar
(E.S. Dwarakadasa)
Characterization of indigeneous Al-Zn-Mg.SiCp metal matrix composites

104. T.R.G. Kutty
(D.H. Sastry and C. Ganguly, BARC)
Microstructure, hot hardness and indentation creep of Al-U & Al-U-Zr alloys

105. Bhaskar Dutta
(M.K. Surappa)
Studies on particle distribution and matrix microstructure evolution during processing of Al-Cu-SiCp composites

1997

106. K.V. Sudhakar
(E.S. Dwarakadasa)
Crack growth, fracture and fracture toughness behaviour of a dual phase martensite steel

107. K.S.N. Murthy
(E.S. Dwarakadasa)
Influence of metal cations ($Cu^{2+}Al^{3+}$ and Li^{+}) on the aqueous corrosion of an Al-Li alloy

108. Dinesh Srivastava
(S. Ranganathan and Srikumar Banerjee, BARC)
β Phase transformations in zirconium base alloys

109. Sukanya Mukhopadhyay
(K.T. Jacob and A.K. Shukla, SSCU)
Studies on phase relations, thermodynamics and electrochemistry of some ceramic oxide systems

110. N.N. Viswanathan
(A.K. Lahiri and M.N. Srinivasan, ME)
Modelling of Cupola - Design and operation for minimum fuel rate and emission levels

1998

111. N. Nagendra
(Vikram Jayaram)
Processing, microstructure and fracture characteristics of high volume fraction (Al_2O_3/Al-AlN) matrix composites

112. P.K. Sagar (ER)
(Y.V.R.K. Prasad & D. Banerjee)
High temperature deformation processing of α_2/O titanium aluminide alloys using processing maps

113. T. Seshacharyulu
(Y.V.R.K. Prasad)
Influence of oxygen content, crystallographic texture and preform microstructure on the processing maps for hot working of titanium and Ti-6Al-4V.

114. N.B.R. Mohan Rao (QIP)
(M.K. Surappa)
Studies on precipitation, recrystallization and deformation behaviour of ceramic particle reinforced Al-10% Mg alloy composites

115. R. Jayaganthan
(J.P. Hajra)
Experimental investigations and thermodynamic modelling of selected III-V semiconductor alloys

116. N. Ravi Shankar
(K. Chattopadhyay)
Mechanisms of phase formation and magnetic properties of nano-crystalline materials

117. G. Chandra Mohan (QIP)
(E.S. Dwarakadasa)
Extrusion processing of Al-Li alloy (1441)

118. Namita Deo
(K.A. Natarajan)
Studies on biobeneficiation and bioremediation using *Bacillus polymyxa* with reference to iron ore and bauxite processing

119. R.S. Sundar
(D.H. Sastry)
Processing and creep studies on Fe_3Al based alloys

120. Yu Fuxiao (FN)
(E.S. Dwarakadasa and S. Ranganathan)
Development of liquid phase co-spray forming and its application to Al-Si-Pb alloys

121. Azharul Haq (ER)
(E.S. Dwarakadasa and S. Banerjee, BARC)
Near threshold fatigue crack growth and fracture toughness studies in zirconium, Zr-15% Ti and zircaloy-2

122. Tania Bhatia
(K. Chattopadhyay and Vikram Jayaram)
Phase evolution in $MgO\text{-}MgAl_2O_4$ under non-equilibrium processing conditions

1999

123. S. Prakash Narayan
(Vikram Jayaram and Kunal Basu, RRL, Bhopal)
The effect of strain rate and temperature on the development of magnetic properties in nanocrystalline Nd-Fe-B alloy

124. Rajendra Kumar Rath
(S. Subramanian)
Polysaccharide-based investigations into the surface chemistry of some sulphide and hydrophobic minerals and processing of a complex sulphide ore

125. Kinkar Laha (ER)
(D.H. Sastry and S.L. Mannan, IGCAR)
Tensile and creep behaviour of similar and dissimilar weld joints of Cr-Mo steels

126. M. Divakar
(J.P. Hajra and K.T. Jacob)
Thermodynamics of surfaces and adsorption in dilute iron based systems

127. Dheepa Srinivasan
(K. Chattopadhyay)
Phase evolution, thermal stability and hardness of melt spun nanocrystalline Al-Zr based alloys

128. S. Sundararajan
(E.S. Dwarakadasa and R. Mahadevan, IPL)
Study of the properties and particle / matrix interface in Al-12Si-10% SiC_p composite

2000

129. B. Srinivasa Rao
(Vikram Jayaram)
Pressureless infiltration of A1-Mg based alloys into Al_2O_3 preforms

130. R. Sankarasubramanian
(T.A. Abinandanan)
Symmetry – breaking transitions in equilibrium shapes of coherent precipitates

2001

131. P. Shankar
(S. Ranganathan and Baldev Raj, IGCAR)
Thermal aging effects in nuclear grade 316LN austenitic stainless steels

132. Prajina Bhattacharya
(K. Chattopadhyay)
Synthesis, morphology and phase transformation of the metallic embedded nanoparticles and multilayers

133. Anandh Subramaniam
(S. Ranganathan)
Metastable phases in Mg-based alloys

134. Kirity Bhusan Khan
(M.K. Surappa and C. Ganguly, BARC)
Processing and characterization of B_4C particle reinforced Al-5% Mg alloy matrix composites

135. V.S. Srinivasan
(D.H. Sastry and K. Bhanu Sankara Rao, IGCAR)
Strain controlled low cycle fatigue and creep-fatigue interaction behaviour of a type 316L(N) stainless steel

136. R. Venkatesan
(E.S. Dwarakadasa and M. Ravindran, NIOI)
Studies on corrosion of some structural materials in deep sea environment

137. Sandip Bysakh
(K.C. Chattopadhyay and P.K. Das, I.P.C.)
Pulsed laser ablation deposition of intermetallic thin films: A study of evolution of metastable phases and ultrafine microstructures

138. Ashutosh Suresh Gandhi
(Vikram Jayaram)
The processing of bulk metastable amorphous and nanocrystalline $ZrO_2 – Al_2O_3$ ceramics by pressure consolidation of amrophous powders

139. R. Divakar
(S. Ranganathan and V.S. Raghunathan, IGCAR)
Interfaces in quasicrystalline and nanocrystalline materials: Quasicrystalline, Al-cu-Fe and Al-Pd-Mn alloys and nanocrystalline titanium, palladium and thorium dioxide

2002

140. Viji Varghese

(K. Chattopadhyay)
A study of the role of mechanical energy on the kinetics of reactions and transformations in the solid state

141. V.V. Balasubrahmanyam (QIP)
(Y.V.R.K. Prasad and A.H. Chokshi)
Hot deformation mechanisms and microstructural characterization in (α+β) and β titanium alloys (Ti-5.5Al-1Fe, Ti-10V-2Fe-3Al, Ti-10V-4.5Fe-1.5Al and Ti-6.8Mo-4.5Fe-1.5Al)

142. D. Santhiya
(K.A. Natarajan and S. Subramanian)
Investigation into the surface chemistry of galera, sphalerite and sulphur minerals using *Thiobacillus thiooxidans* and *Bacillus polymyxa*

143. G.S. Avadhani (SR)
(Y.V.R.K. Prasad and A.H. Chokshi)
Hot deformation mechanisms and microstructural evolution during upset forging of γ-Fe, Fe, Fe-5Ni, Fe-5Co & Fe-5Mo alloys and maraging steel

144. Bijoysri Khan (ER)
(Kishore and B. Viswanath
Buffer strips in carbon-epoxy system and their influence on the mechanical behaviour and macroscopic features in dry and wet state

145. Satyabodh M. Kulkarni (QIP)
(Kishore)
Processing, microstructural and mechanical behaviroal aspects of Fly ash-epoxy composites

146. Gandham Phani Kumar
(K. Chattopadhyay and P. Dutta (ME)
Experimental and Computational Studies of Laser Processing of Dissimilar Metals

147. Abha Kumari
(K.A. Natarajan)
Electrochemical and Microbilogical Processing of Ocean Manganese Nodules to Recover Valuable Metals

2003

148. Lakshmi Narayan Satapathy
(A.H. Chokshi and B.K. Chandrasekhar.(Orgn)
Role of Second Phase in the Microstructural Development and Creep Deformation in Alumina based Composites

149. M. Ravi
(E.S. Dwarakadasa and B.C. Pai.(Orgn)
Re-examination of the Formation of Porosity during solidification of Aluminium Alloys

150. Anuradha T V
(S. Ranganathan)
Synthesis and Characterization of Nanostructured Materials: TiO_2, TiN & $BaTiO_3$.

2004

151. Rajashekhar Shabadi
(E.S. Dwarakadasa & Subodh Kumar)
Portevin Le- Chaterlier Effect and Formability Studies in Alluminium Alloys.

152. Brahmandam Sudhir
(Atul H. Chokshi)
Sintering and Rheology of Alumina Particulate Reinforced Alumino-Silicate Glass Composites

153. Amitava Mukherjee
(Ashok M. Raichur)
Solubilization of Cu, Co and Ni from Indian Ocean Nodules using a Marine Isolate

154. H. Ramanarayan
(T.A. Abinandanan)
Grain Boundary Effects on Spinodal Decomposition

155. Sanjit Bhowmick
(Vikram Jayaram & S.K. Biswas, M.E.)
The Nature of Contact-Induced Deformation and Fracture in TiN Films on Steel

2005

156. Kay Thi Lwin
(K.T. Jacob)
Structure, Thermodynamics and Phase Relations in Selected Oxide Systems

157. Sibasis Acharya
(J.P. Hajra and S. Subramanian)
Thermodynamics and Phase Equilibria in the Systems Involving Electronic Materials

158. Subrata Pal
(A.K. Lahiri)
Mathematical Model of COREX Melter Gasifier

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