

CONTENTS

| | | |
|---|--|---------------|
| 1 | Parametric Optimization of Hot Compression Process of Medium Carbon Steel by Using Taguchi Method | 1-8 |
| | <i>Md. Israr Equbal, R.K. Ohdar, P. Talukdar and Vinod Kumar</i> | |
| 2 | Determination of Adiabatic Temperature Rise during High Strain Rate Deformation of Ti-6Al-4V Alloy | 9-21 |
| | <i>A. J. Dawari and B.P. Kashyap</i> | |
| 3 | Microstructural Evolution in Hot Compressed IMI 834 Titanium Alloy | 22-28 |
| | <i>Basanth Kumar K, Kuldeep K Saxena, Suhash R. Dey, Vivek Pancholi, Amit Bhattacharjee</i> | |
| 4 | Overview of Experimental Activities Using Gleeble 3800 system at IPR | 29-40 |
| | <i>Alpesh Patel, Shailesh Kanpara, K.P.Singh, Sudhir Tripathi, Mayur Mehta, Kalpesh Galodiya, S.S.Khirwadkar</i> | |
| 5 | Role of Precipitate in Strain Induced Martensitic Transformation during Cold Deformation of SS 321 | 41-56 |
| | <i>Sayandeep Kundu, R Maladkar , A. K. Singh and M. M. Hussain</i> | |
| 6 | Study on Flow Properties of Rotor Grade Steel | 57-69 |
| | <i>M.I.Mehta, B.P. Kashyap and R.K.P.Singh</i> | |
| 7 | Hot Ductility Study on High Phosphorus Containing Cu-Cr Low Alloy Steel | 70-77 |
| | <i>Gadadhar Sahoo, Vinod Kumar, Balbir Singh and Atul Saxena</i> | |
| 8 | Identification of Favorable hot Working condition for Ti-6Al-4V alloy | 78-91 |
| | <i>A.A. Shaikh, B.P. Kashyap and A. Chauthai</i> | |
| 9 | Thermo-Mechanical Simulation of Continuous Annealing and Galvannealing Process | 92-104 |
| | <i>Pranav Tripathi, I. Chakradhar, Prakash Rao and Rahul Desai</i> | |

| | | |
|----|---|----------------|
| 10 | Hot workability Studies on 2.7% Si Steel Using Gleeble Thermo-Mechanical Simulator | 105-114 |
| | <i>Kumar Aniket Anand, Kartik Nageswaran, Vinod Kumar and Atul Saxena</i> | |
| 11 | Simulation of Bar Rolling in Gleeble | 115-119 |
| | <i>K. Mukherjee, and D. K. Matlock</i> | |
| 12 | Development of HSLA steel with high temperature tensile properties | 120-130 |
| | <i>Prashant Pathak, Arnab Karani and M Shome</i> | |
| 13 | Toughness Behavior for Simulated Weld Heat affected Zone of SA 508, Class 3 Material for Pressure Vessel Applications | 131-145 |
| | <i>Santosh kumar, Rajneesh kumar and Ajoy kumar Pandey</i> | |
| 14 | Thermo-Mechanical Simulation Using Gleeble System - Advantages and Limitations | 146-156 |
| | <i>Vinod Kumar</i> | |
| 15 | Dynamic Recrystallisation of API X80 Grade Microalloyed Steel During hot Deformation | 157-167 |
| | <i>Sudhir Kumar, Tipu Kumar, Ajeet Kumar, V C Srivastava, G K Mandal</i> | |