

CHAPTER 62

TECHNOLOGY MANUFACTURING PROCESSES & AUTOMATION ENGINEERING

Doctoral Theses

01. ADITYA KUMAR
Some Studies on Characterization of Different Fluxes on submerged ARC Welding.
Supervisor : Prof. SachinMaheshwari
Th 23713

Contents

1. Introduction 2. Literature review 3. Design of flux 4.Experimental procedure 5. Results and discussion 6. Conclusion. references. List of publication.

02. GANGIL (Namrata)
Some Studies on Fabrication of Surface Composites on Aluminium Alloys Using Friction Stir Processing.
Supervisor: Prof. SachinMaheshwari and Arshad Noor Siddiquee
Th 23745

Contents

1. Introduction 2. Literature review 3. Methodology and experimentation 4.Results and discussion 5. Conclusion and scope for future work. References.Appendices.

03. SHARMA (Satish Kumar)
Some Investigations on Submerged ARC Welding of HSLA Steels
Supervisor : Prof. Sachin Maheshwari
Th 23622

Contents

1. Introduction 2. Literature review on welding of HSLA pipeline steel 3.Research methodology 4. Arc characterization study of submerged are welding 5. Investigation of bead geometry and shape parameters 6.Investigation of mechanical properties and microstructure 7.Thermo-mechanical simulation of HAZ 8. Summary, conclusion and scope for future work. Appendix. Bibliography. List of Publications