

List of Publications

The technical publications coming out of this thesis are:

Papers published:

- (1) Microstructure, Texture, Mechanical and Ballistic Properties Correlation of a Hot Rolled and Peak Aged AA-7017 Alloy Plate at Surface and Centre
Pradipta Kumar Jena, Kandikattu Siva Kumar, Rajiv Kumar Mandal, Ashok Kumar Singh
Materials Sciences and Applications, 8 (2017) 992-1013.
- (2) Influence of heat treatment on the ballistic behavior of AA-7017 alloy plate against 7.62 deformable projectiles
P. K. Jena, K. Siva Kumar, R. K. Mandal and A. K. Singh
Procedia Engineering 173 (2017) 214 – 221.
- (3) An experimental study on the deformation behavior of Aluminium armour plates impacted by two different non-deformable projectiles
P.K. Jena, S.G. Savio, K. Siva Kumar, V. Madhu, R. K. Mandal and A. K. Singh
Procedia Engineering 173 (2017) 222 – 229.

Papers communicated:

- (4) An experimental study on the effect of directional grain structure and heat treatment on the ballistic properties of an AA-7017 alloy plate
P. K. Jena, K. Sivakumar, R. K. Mandal and A. K. Singh
Journal of Advanced Research, 2017

Papers to be communicated:

- (5) A comparative study on the ballistic behaviour of Aluminium alloys impacted by lead projectiles.
P. K. Jena, K. Siva Kumar, R. K. Mandal and A. K. Singh