Dr. Sirajuddin Elyas Khany

- **Associate Professor**
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Experience

29

Publications

Reliability of the Wire Drawing Dies proc.3rd International Symposium on Advanced Materials (1993). Pp.754-761

Weibull Analysis of Cutting Tool Materials Under Different Set Of Machine Conditions. Institution of Engineers. Vol 78.(Nov. 1997) pp. 55-58.

Extrusion die Life Prediction : A probabilistic Approach. Indian journal of Engineering & Material sciences Vol.3. (Feb. 1996). Pp. 9-12.

Computer Simulation of Wire Drawing Die Life A Probabilistic Approach. IICT. Golden Jubilee Seminar, (Nov. 1994) pp.13

Experimental Investigation of the Behavior of Brass Under the influence of Burnishing process.. First National Conference on Development & Challenges in Manufacturing Engineering. MIT (March 2004).

Monte Carlo Simulation to predict the Fatigue Life of Brass Specimens Under Various Burnishing conditions. National Conference on Advanced Materials and Manufacturing techniques. JNTU (Mar. 2004).

Glass Fiber Reinforced Plastics An Alternative to the existing pipe Materials. Engineering Advances(Mar 1994) Vol . 6, No.3, pp. 56.

Machine Made Corrugated FRP Sheets : A Technological Breakthrough. Engineering Advances (Jun 1994). Vol.6, No.6, pp. 52-53.

Substantial Savings Through a Modified Concrete Mixer, Engineering Advances(Jan. 1995). Pp. 64-65.

Experimental Investigation of the Behaviour of Aluminium Under the influence of Burnishing Process, Proc. Of IMEC 2004 International Mechanical Engineering Conference , Dec.5-8, Kuwait, 2004.

Study of Mechanical Behavior of Friction Welded Joint in a Brass Material and Its

Statistical Modelling . IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) ISSN: 2278-1684 Volume X, Issue X (Sep-Oct. 2012), PP 00-00.

Process Study of Transient Temperature Distribution in Friction Welding and its effects on its Joints**.** International Journal Of Computational Engineering research, vol2, issue.5, Pp.1645-1655.

An investigation of the effect of shotpeening on the properties of Lm25 Aluminium Alloy and statistical modelling. IJETAE,Vol.3, Issue.3, Mar.2013.

Design Fabrication and Analysis of a Connecting rod with Aluminium Alloys and Carbon Fibers, IJIRSET, Vol.3, Issue.10, Oct.2014.

An Analytical Study of Dissimilar Materials joint using Friction welding and its Application.IJSRP,Vol.5,Issue.2,Feb.2015.

An Experimental Study of the effect of process parameters on the Extrusion pressure and Its Impact on the Die Life, IJSER,Vol.4, Issue.9, Sep.2013.

Optimal Parameter estimation of friction welded joint for higher bending load and hardness in SS316 and En-8, International Journal Of Science , Environment and Technology,Vol.4, No2,April.2015.

An Experimental Study of the effect of shot peening on the Low Carbon Steel and Identification of Optimal Process Parameters.ScienceDirect, Materials Today: Proceedings 2 (2015) 3363 3370.sep.2015

Area of Expertise

Materials and manufacturing, friction welding, metal forming, statistical analysis, press tools and dies.

Research Interest

friction welding, metal forming

Membership Details:

life member ISTE