

Dr. K. LENIN

Professor

leninnaga@yahoo.com



I. Particulars of Educational Qualification :

- 1) Studied B.E. in Jayaram College of Engineering and Technology, Bharathidasan University, 2004
- 2) Studied M.E in Manufacturing Engineering, Jayaram College of Engineering and Technology, Trichy Anna University, 2009
- 3) Ph.D in Welding, National Institute of Technology, Truchirappalli, 2014.

II. Title of Ph.D. Thesis

:
Internal Defects analysis of Friction Stir Welded Thermoplastic Materials

IV. Academic Experience : Teaching - 13.11 Years

VI. List of Publications :

I) INTERNATIONAL JOURNALS: 17

1. K Panneerselvam, K Lenin (2014), "Joining of Nylon 6 plate by friction stir welding process using threaded pin profile" Materials & Design, 53, 302-307.
2. K Panneerselvam, K Lenin (2013), "Effects and defects of the polypropylene plate for different parameters in friction stir welding process" Taper 40, 1500.
3. K Panneerselvam, K Lenin (2012), "Investigation on effect of tool forces and joint defects during FSW of polypropylene plate" Procedia engineering 38, 3927-3940.

4. C Prabakaran, P Venkatachalam, K Lenin (2014), "Parametric Optimization of Gas Tungsten Arc Welding Processes by Using Factorial Design Approach" NISCAIR-CSIR, India.
5. K Panneerselvam, K Lenin (2015), "Parameters optimization in FSW of polypropylene based on RSM" Multidiscipline Modeling in Materials and Structures 11 (1), 32-42
6. V Senthilkumar, K Lenin (2011), "Synthesis and characterization of ultrafine grained 304 stainless steel through machining" Journal of Minerals and Materials Characterization and Engineering 10 (05), 455
7. K Lenin, HA Shabeer, K Panneerselvam (2014), "Process parameters optimization for friction stir welding of Polypropylene material using Taguchi's approach" NISCAIR-CSIR, India
8. K Panneerselvam, K Lenin (2013), "Study on hardness and micro structural characterization of the friction stir welded Nylon 6 plate" International Journal Mechanical Engineering 2, 51-62
9. R Sasikumar, K Lenin (2017), "Assessing the influence of hand-arm posture on mechanical responses of the human hand during drilling operation" The International Journal of Advanced Manufacturing Technology 93 (1-4), 375-384
10. PSK D. Vinoth Kumar, M. Fakkir Mohamed, K. Lenin (2018), "Performance Investigation Of Process Parameters In EDM For Inconel 600 Using Taguchi-Grey Relational Analysis" International Journal of Applied Engineering Research 11 (3), 656-661
11. K. Lenin R. Sasikumar (2017), "Measurement Of Vibration In Human Hand Fingers By Coated Leather Material Over The Handle Of Impact Drill During Hand Drilling Operation" Advances In Natural And Applied Sciences 11 (7), 687-695.
12. K Lenin R. Sasikumar (2017), "Ergonomic Effect Of Coating Material Over The Handle Of A Portable Drill On Human Hand During Drilling Operation" Advances In Natural And Applied Sciences 11 (7), 681-686.
13. K Lenin V. Senthil Kannan (2017), "Selection of optimum parameters and electrode for machining of AL2017 alloy by machining in electrical discharge machining" Advances in Natural and Applied Sciences 11 (7), 738-743.

14. S Dharmalingam K. Lenin (2017), "Effect of Friction Stir Welding on microstructural and mechanical properties of copper alloy" *Advances in Natural and Applied Sciences* 11 (4), 484-493.
15. T Ganapathy, K Lenin, K Pannerselvam (2017), "Process Parameters Optimization of Friction Stir Welding in Aluminium Alloy 6063-T6 by Taguchi Method" *Applied Mechanics & Materials* 867.
16. S Sutha, P Lakshmi, S Sankaranarayanan, K Lenin (2017), "Robust improvement using ITSMC for a multivariable process" *Advances in Natural and Applied Sciences* 10 (7 SE), 56-69
17. R Sasikumar, K Lenin (2017), "Ergonomics in poor hand tools design and musculoskeletal disorders of workers during various working environment" *Advances in Natural and Applied Sciences* 10 (7 SE), 284-293

II) BOOK Published : Engineering Graphics book for I year Anna University Students

III) INTERNATIONAL CONFERENCE : 07

1. K. Lenin "Process parameter Optimization and Characterization for Friction Stir Welding of Nylon 6 Material using Taguchi Technique" *International conference on Advances in Design & Manufacturing (ICAD&M'14)* 5-7, December 2014, NIT, Trichy.
2. K. Lenin "Process Parameter Optimization for Friction Stir Welding of Polypropylene Material Using Taguchi's Approach" *International Conference on Trends in Technology for Convergence 'TITCON-2014*, 8 & 9 April, 2014, AVS Engineering College, Salem, Tamil Nadu.
3. K. Lenin " Investigation of Process parameter During FSW and FVW of Casted Acrylic Plate" *Third International Conference on Production and Industrial Engineering*, March 29-31, 2013, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India.

4. K. Lenin “ Selection of FVW tool, Feed Rate and Frequency for Joining Nylon 6 and Polypropylene Plates” Third International Conference on Production and Industrial Engineering, March 29-31, 2013, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India.
5. K. Lenin, K. Panneerselvam “Characterization and Process Parameter Optimization for FSW of Nylon 6 Material using Taguchi Technique” International Conference on Modeling Optimization and Computing (ICMOC-2014) April 10&11, 2014, Noorul Islam University, Kumaracoil, Tamil Nadu, India.
6. K. Lenin “Optimization of Friction Stir Welding Parameters for Nylon 6 Material” International Symposium for Research Scholars on Metallurgy, Material Science and Engineering (ISRS-2012), December 13-15, 2012, IIT Madras, Chennai, India.
7. K. Lenin, K. Panneerselvam “Investigation on Effect of Tool Forces and Joint Defects During FSW of Nylon 6 Plate” Second International Conference on Advances in Materials Processing and Characterization (AMPC 2013), February 6-8, 2013, Anna University, Chennai, India.

IV) NATIONAL CONFERENCE : 06

1. K. Lenin, “Experimental Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Discover Real Engineers and Mechanical Simulations, March 13, 2009, Dhanalakshmi Srinivasan Engineering College, Perambalur, Tamil Nadu.
2. K. Lenin “Experimental Investigation of Friction Stir Welding on Magnesium Alloy” National Conference on Emerging Trends in Mechanical Engineering (ETME-10), March 31, 2010, Shri Angalamman College of Engineering and Technology, Trichy, Tamil Nadu.

3. K. Lenin and R. Senthil Raja “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Recent Advances in Mechanical Engineering (RAME-2009), April 4, 2009, M. P. Nachimuthu M. Jaganathan Engineering College, Erode, Tamil Nadu.
4. K. Lenin “Parameter Optimization of FSW in Nylon 6 Material” National Conference AMESHE-2014, May 3, 2014, Knowledge Institute of Technology, Salem, Tamil Nadu.
5. K. Lenin “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials Using Finite Element Method” National Conference on Emerging Trends in Mechanical Engineering (ETME-09), April 16, 2009, Shri Angalamman College of Engineering and Technology, Trichy, Tamil Nadu.
6. K. Lenin and R. Senthil Raja “Experimental and Numerical Analysis of Friction Stir Welding on Dissimilar Materials using Finite Element Method” National Conference on Recent Innovation in Design and Analysis RIDA-2009, March 18, 2009, Government College of Engineering, Tirunelveli, Tamil Nadu.