

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL

1. **Senthilkumar, D.**, Rajendran, I., Pellizarri, M. and Juha Sirriannen. “Influence of shallow and deep cryogenic treatment on residual state of stress of 4140 steel”, Journal of Materials Processing Technology, Elsevier Publications, Vol.211, No.3, pp.396-401, 2011.
2. **Senthilkumar, D.** and Rajendran, I. “Influence of shallow and deep cryogenic treatment on tribological behaviour of En 19 steel”, Journal of Iron and Steel Research International, Central Iron and Steel Research Institute, Published by Elsevier Limited, Vol.18, No.9, pp. 53-57, 2011.
3. **Senthilkumar, D.**, Rajendran, I. and Pellizarri, M. “Effect of Cryogenic treatment on the Hardness and Tensile behaviour of AISI 4140 steel”, International Journal of Microstructure and Material Properties, Inderscience Publications, 2011, Vol.6, No.5, pp.366 – 377.
4. **Senthilkumar, D.** and Rajendran, I. “Optimization of deep cryogenic treatment to reduce wear loss of 4140 steel”, Materials and Manufacturing Processes, Taylor and Francis Publications, 2012, Vol.27, No.5, pp.567-572.
5. **Senthilkumar, D.** and Rajendran, I. “A research review on deep cryogenic treatment of steels”, International Journal of Materials and Structural Integrity, Inderscience Publications, Article in Press.
6. **Senthilkumar, D.**, Rajendran, I., Joris Bracke. and Nicky Slootsman. “Corrosion and Elastic behaviour of cryogenically treated En 19 steel”, Metallurgical & Materials and Mining Engineering, Journal of The Institution of Engineers (India): Series D, Springer Publications, Communicated.

INTERNATIONAL CONFERENCE

7. **Senthilkumar, D.** and Rajendran, I. “ Effect of Cryogenic Treatment on Hardness and Impact behaviour of 4140 steel”, International Conference on Recent Trends in Materials, and Mechanical Engineering, (ISBN 978-81-8487-007-7) , Dr.Mahalingam College of Engineering and Technology, Pollachi, India, 18-20 December 2008.