

Dr. K M Kenchi Reddy

Professor

Dept. of MECH

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**Overview**

Experience: 29 years

Education

P.hD. “Optimization of Welding Parameters for Chromium Base Hardfacing Alloy Using Various Processes and Some Comparative Studies on Wear Characteristics” from VTU in 2013

M. E in Production Engineering and System Technology from NIE Mysuru in 1995.

B. E in Mechanical Engineering, PESCE, Mandya in 1986

Research Interests

Hardfacing on Mild Steel.

Publication**International Journals:**

1. K.M. Kenchi Reddy and C.T. Jayadeva. “**An Experimental Study on the Effect of Microstructure on Wear Behavior of Fe-Cr-C Hardfacing Alloys**”. Published in Vol. 2, Issue 1 of Bonfring International Journal of Industrial Engineering and Management Science, March 2012.
2. K.M.Kenchi Reddy and C.T. Jayadeva. “**The Effects of Welding Processes on Microstructure and Abrasive Wear Resistance for Hardfacing Deposits**”. Published in Vol. 2, Issue 2 of Bonfring International Journal of Industrial Engineering and Management Science, June 2012.
3. K.M.Kenchi Reddy and C.T. Jayadeva. “**The Effect of Microstructure on 3 Body Abrasive Wear Behavior of Hardfacing Alloys**”. Published in Vol. 4, Issue 1 of Bonfring International Journal of Industrial Engineering and Management Science, Feb 2014.

4. K.M.Kenchi Reddy and C.T. Jayadeva. **“A Study on Microstructure and Abrasive Wear Behavior of Fe-Cr-C Based Hardfacing Alloys Deposited by SMAW Processes”**. Published in Vol. 3, Issue 2 of International Journal of Engineering Science and Innovative Technology (IJESIT), and April 2014.
5. K.M.Kenchi Reddy and C.T. Jayadeva. **“Study on Abrasive Wear Characteristics of Fe-Cr-C Hardfacing Alloy and Effect of Welding Parameters”**. Published in vol. 3, Issue 5 of International Journal of Engineering Sciences and Research Technology (IJESRT), May 2014.
6. K.M.Kenchi Reddy, C.T. Jayadeva and Sreenivasan.A. **“The Effect of Microstructure on Abrasive Wear of Hard Facing Alloys”**. Published in Vol. 3, Issue 3 of International Journal of Engineering Science and Innovative Technology (IJESIT), May 2014.
7. K.M.Kenchi Reddy, C.T. Jayadeva and Sreenivasan.A. **“Some Studies of Hardfacing and Metallurgical Properties of Mild Steel Using Shielded Metal Arc Welding Processes”**. Published in Vol.1, Issue 4 of Global Journal of Engineering Science and Researches (GJESR), June 2014.
8. K.M.Kenchi Reddy, C.T. Jayadeva and Sreenivasan.A. **“Influence of Material Characteristics on the Abrasive Wear Response of Some Hardfacing Alloys”**. Published in Vol.1, Issue 5 of Global Journal of Engineering Science and Researches (GJESR), July 2014.

K.M.Kenchi Reddy, C.T. Jayadeva and Yathiraj.K. **“Wear Behaviour of Hardfacing Deposits on Mild Steel”**.Published in Vol.1, Issue 6 of Global Journal of Engineering Science and Researches (GJESR), August 2014.

9. K.M.Kenchi Reddy, C.T.Jayadeva. **“SEM and XRD Study of Fe-Cr-C Hardfacing and Metallurgical Properties of Mild Steel using Arc Welding Process”**. Published in Vol.1, Issue 7 of Global Journal of Engineering Science and Researches (GJESR), September 2014.
10. K.M.Kenchi Reddy, C.T.Jayadeva. **“Abrasive Wear of Medium Chromium Fe-Cr-C Hardfacing Alloys”**. Published in Vol.1, Issue 8 of Global Journal of Engineering Science and Researches (GJESR), October 2014

11. K.M.Kenchi Reddy, C.T.Jayadeva. **“Study on Abrasive Wear Behaviour of Fe-Cr-C Hardfacing Deposits”**. Published in Vol.10, Issue 3 of International Journal of Innovative Research in Engineering & Science (IJIRES), October 2014.
13. K.M.Kenchi Reddy, C.T.Jayadeva. **“The Effects of Welding Processes and Microstructure on 3 Body Abrasive Wear Resistances for Hardfacing Deposits”** Published in vol.3, Issue 12 of International Journal of Engineering and Science (THE IJES), December 2014.
14. K.M.Kenchi Reddy, C.T.Jayadeva. **“Microstructure and Abrasive Wear Behaviour of Shielded Metal Arc Welding Hardfacing used in Agricultural Implements”** Published in Volume 3 Issue 1 of "International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)" January 2015.
15. K.M.Kenchi Reddy, C.T.Jayadeva. **“Abrasive Wear Behavior of Hardfaced Fe-Cr-C Alloy and Mild Steel under Two Body Conditions”** Published in Vol.2, Issue 4 of Global Journal of Engineering Science and Researches (GJESR), April 2015.
16. K.M.Kenchi Reddy, K. Thanusha. **“Effect of Chromium Content on Microstructure and Wear Resistance of Fe-Cr-C Hard facing Layers ”** Published in Vol.13, Issue 1, ver. VI of IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Jan-Feb 2016 .
17. K.M.Kenchi Reddy, C.T.Jayadeva. **“The Effects of Welding Processes and Microstructure on 3 Body Abrasive Wear Resistances for Hardfacing Deposits”** Published In Transactions on Engineering Technologies, International Multi Conference of Engineers and Computer Scientists 2015, Springer Singapore on March 2016.