



Dr. K. Srinivasa Vadayar

Professor

Metallurgical Engineering

Areas of Interest:

Powder Metallurgy, Composite Materials.

Metallurgical Engineering

- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ Ph.D. in Metallurgy, JNT University (2004-2013)

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M.Tech in Materials and Metallurgical Engineering, IIT Kanpur with First Class with Distinction (1999-2001)

- ▶

B.Tech in Metallurgical Engineering, REC Warangal with First Class with Distinction (1995-1999)

- ▶ At JNTUH

- ▶ Associate Professor, JNTUH (2016 - Till Date)

- ▶ Assistant Professor, JNTUH (2001 - 2016)

- ▶ Publications

- **International Journals**

- ▶ Dr. K. SrinivasaVadayar, *Deformation Behaviour of Al-Cu-Mg Wrought Alloy Under Uniaxial Tensile Load*, International Journal of Research and Analytical Reviews (IJRAR), ISBN No.2348-1269, Vol No.6, Issue No.1, pp.1210-1217, March, 2019
- ▶ Dr. K. SrinivasaVadayar, *Investigation Of Wear Resistance In HSLA Steels for Truck Body Applications*, International Journal of Research and Analytical Reviews (IJRAR), ISBN No.2348-1269, Vol No.6, Issue No.1, pp.1130-1141, March, 2019
- ▶ Dr. K. SrinivasaVadayar, *Effect of Cold Flow Forming and Aging on Mechanical Behaviour of Maraging Steels*, International Journal of Research, ISBN No.2236-6124, Vol No.8, Issue No.2, pp.761-777, February, 2019
- ▶ Dr. K. SrinivasaVadayar, *Constitutive Flow Stress Model of Maraging steels in Cold Flow Formed and Aged conditions*, International Journal of Applied Engineering Research, ISBN No.0973-4562, Vol No.14, Issue No.4, pp.1041-1044, 2019
- ▶ Dr. K. SrinivasaVadayar, *Vacuum Technology in the Field of Metallurgy Vacuum Metallurgy*, International Journal of Modern Engineering and Research Technology, ISBN No.2348-8565, Vol No.6, Issue No.1, pp.144-149, January, 2019
- ▶ Dr. K. SrinivasaVadayar, *Anisotropy in Plain Strain Fracture Toughness (K_{IC}) Property of Maraging Steels*, International Journal of Modern Engineering and Research Technology, ISBN No.2348-8565, Vol No.6, Issue No.1, pp.89-99, January, 2019
- ▶ K. Srinivasa Vadayar, *Implementation of Cause and Effect Analysis (CEA) in Quality Assurance Management*, International Journal of Research, ISBN No.2236-6124, Vol No.VIII, Issue No.V, pp.2386-2389, MAY, 2019
- ▶ K. Srinivasa Vadayar, *Modelling of Impact Wear Resistance in HSLA Steels for Truck Body Applications*, International Journal of Modern Engineering and Research Technology, ISBN No.2348-8565, Vol No.6, Issue No.2, pp.97-104, April, 2019
- ▶ K. Srinivasa Vadayar, *Effect of Rolling Reduction on Microstructure and Hardness for Pure Nickel and Pure Iron*, International Journal of Modern Engineering and Research Technology, ISBN No.2348-8565, Vol No.6, Issue No.2, pp.187-195, April, 2019
- ▶ Dr. K. Srinivasa Vadayar, *Effect of SiC Addition to Al-Mg-Si Alloy TIG Welded Plate*, International Journal of Research, ISBN No.2236-6125, Vol No.VIII, Issue No. V, pp.569-580, International Journal of Research, MAY, 2019
- ▶ Dr. K. SrinivasaVadayar, *Production and Characterization of Al-7%Si-0.3%Mg Alloy*, IJRET, ISBN No.2319-1058, Vol No.3, Issue No.3, pp.148-152, February, 2014
- ▶ Dr. K. SrinivasaVadayar, *Effect of B₄C particle Size On Evolution of Microstructure Of In-Situ (TiB-TiC)/Titanium Matrix Composites*, IJRET, ISBN No.2319-1058, Vol No.3, Issue No.3, pp.77-82, February, 2014
- ▶ Dr. K. SrinivasaVadayar, *Characterization of Precipitation Hardenable Stainless Steels*, IJTARME, ISBN No.2319-3182, Vol No.3, Issue No.1, pp.40-43, January, 2014
- ▶ Dr. K. SrinivasaVadayar, *Effect of Cold Deformation In AA2219 Aluminum Alloy*, IJTARME, ISBN No.2319-3182, Vol No.3, Issue No.1, pp.62-67, January, 2014
- ▶ Dr. K. SrinivasaVadayar, *Characterization of Sn-Bi and Sn-Bi-Zn Alloys*, IJAMMC, ISBN No.2277-3886, Vol No.3, Issue No.3, pp.77-82, February, 2014
- ▶ Dr. K. SrinivasaVadayar, *Synthesis And Characterization Of Ti-TiB-TiC Composites*, TPMAI, ISBN No.0377-9416, pp.37-41, December, 2013
- ▶ Dr. K. SrinivasaVadayar, *Micro Structural and Mechanical Characteristics of In-Situ Titanium Metal Matrix Composites*, IJTARME, ISBN No.2319-3182, Vol No.2, Issue No.4, pp.12-16, December, 2013
- ▶ Dr. K. SrinivasaVadayar, *Development Of High Strength, High Toughness and High Wear Resistant Parts For Mud Pump*, IJRET, ISBN No.2319-1058, Vol No.3, Issue No.2, pp.140-147, December, 2013
- ▶ Dr. K. SrinivasaVadayar, *Effect of Boron Carbide Particle Size and Volume Fraction of TiB-TiC Reinforcement On Steady State Creep Behaviour Of PM Processes Titanium Matrix Composites*, Materials At High Temperature, ISBN No. 1329-1335, Vol No.30, Issue No.3, pp.202-211, September, 2013
- ▶ Dr. K. SrinivasaVadayar, *Production and Characterization of Titanium Matrix Composites By VHP Route*, IJAMMC, ISBN No.2277-3886, Vol No.3, Issue No.2, pp.508-510, July, 2013
- ▶ Dr. K. SrinivasaVadayar, *Flexural Strength Of (TiB+TiC)/Ti Matrix composites Synthesized by Pressureless Sintering*, IJSAA, ISBN No.2277-2677, Vol No.3, Issue No.1, pp.96-98, May, 2013
- ▶ Dr. K. SrinivasaVadayar, *Hot Corrosion Behaviour of Nickel Based Super Alloys*, IJARME, ISBN No.2231-5950, Vol No.3, Issue No.1, pp.1-5, January, 2013
- ▶ Dr. K. SrinivasaVadayar, *Reaction synthesis of Titanium Matrix Composites Through Powder Metallurgy Technique*, Transactions of Indian Institute Of Metals, ISBN No.0975-1645, Vol No.64, Issue No.4-5, pp.439-445, October, 2011
- ▶ Dr. K. SrinivasaVadayar, *Pressure less Sintering of Titanium Matrix Composites*, Technology Spectrum, ISBN No.0974-6854, Vol No.5, Issue No.2, pp.78-82, August, 2011

- ▶ **Events Participated/Organized**

- **Organized**

- ▶ Organized a Refresher Course on Composite Materials, JNTUH CEH, 09-07-2013 to 27-07-2013

- **Presented**

- ▶ Presented a paper in *ICRDME-2019 Graphene coating on mild steel by spin coating method*, JNTUHCEH, HYD, 21-03-2019 to 22-03-2019

- ▶ Presented a paper in *ICRDME-2019 Metallurgical and Mechanical Properties of ??? - Titanium Alloy*, JNTUHCEH, HYD, 21-03-2019 to 22-03-2019

- ▶ Presented a paper in *Advanced Materials and Manufacturing Technologies*, UGC- JNTUH,CEH, 18-12-2014 to 20-12-2014

- ▶ Presented a paper in *ICIMPACT 2014*, NIT, MANIT- Bhopal, 27-11-2014 to 29-11-2014

- ▶ Presented a paper in *ICMMM 2014*, IIT-Madras, 08-08-2014 to 09-08-2014

- ▶ Presented a paper in *PMAI-13*, PMAI, 07-02-2013 to 09-02-2013

- **Resource Person**

- ▶ Resource Person in a Training on *Principles of Metallurgy*, Hyderabad, 21-05-2018 to

- **Participated**

- ▶ Participated in a Workshop on *Preparing for NBA Accreditation & SAR Filling*, JNTUHCEH, HYD, 18-02-2019 to 19-02-2019

- ▶ Participated in a Workshop on *NBA Accreditation (SAR Filling and Preparedness for Assessment)*, UGC HRD Auditorium JNTUH, 14-12-2017 to 16-12-2017

- ▶ Participated in a FDP on *Applications of Geomatics for Disaster Management (AGDM - 2017)*, CWR, IST, JNTUH, Hyd., 13-11-2017 to 25-11-2017

- ▶ Participated in a Workshop on *Workshop on Mentoring skills and thinking skills for Engineering Faculty*, JNTUH CEH, 18-07-2014 to 19-07-2014

- ▶ Participated in a Seminar on *Metallurgical Investigations for Failure Analysis -13*, IEI & SFA, 16-02-2013

- ▶ **Administrative Positions Held**

- ▶ Officer In Charge Exams, JNTUH CEH, 17 Dec 2015 - 18 Dec 2016

Contact :

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