



## **Dr. B Ramesh Chandra**

B.Tech in Metallurgical Engg, JNTUCEH (1995-1999) M. Tech in Metallurgical Engg, IIT Kgp(2000-2002)

**Associate Professor & Head**

**IIM**

Metallurgical Engineering

### **Areas of Interest:**

Metal Casting, Welding, Surface Engineering, Materials Characterisation, Heat Treatment, Composites, Physical Metallurgy

### **- ▶ Educational & Professional**

#### **- ▶ Academic Qualifications**

- ▶ PhD in Metallurgical Engineering, IIT Kharagpur (2004-2007)

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M.Tech in Metallurgical Engineering, IIT Kharagpur with First Class (2000-2002)

- ▶

B.Tech in Metallurgical Engineering, JNTU College of Engg, Hyderabad with First Class (1995-1999)

#### **▶ Professional Experience**

#### **- ▶ Industrial Experience**

- ▶ SRF, IIT Kharagpur (2003 - 2006)

#### **- ▶ At JNTUH**

- ▶ Assistant Professor, JNTU College of Engg, Hyderabad (2009 - Till Date)

- ▶ Assistant Professor, JNTU College of Engineering Kakinada (2006 - 2009)

#### **- ▶ Publications**

## - International Journals

- ▶ Dr. B. Ramesh Chandra, *Design and Analysis of T- Shaped Casting with Sleeve Using Ansys*, International Journal of Research, ISBN No.2236-6124, Vol No.7, Issue No.2, pp.101-104, February, 2018
- ▶ Dr. B. Ramesh Chandra, *Design and Analysis of Screw- Shaped Casting with Sleeve Using Ansys*, International Journal of Research, ISBN No.2236-6124, Vol No.7, Issue No.7, pp.1220-1223, July, 2018
- ▶ Dr. B. Ramesh Chandra, *Effect of Forging Temperature on Mechanical Properties of AA-6061 Alloys*, Journal of Emerging Technologies and Innovative Research (JETIR), ISBN No.2349-5162, Vol No.5, Issue No.10, pp.147-150, October, 2018
- ▶ Dr. B. Ramesh Chandra, *Metal matrix composite of LM25 alloy with SiC and Al<sub>2</sub>O<sub>3</sub> by stir casting*, International Journal of Research and Analytical Reviews (IJRAR), ISBN No.2348-1269, Vol No.5, Issue No.4, pp.479-483, November, 2018
- ▶ Dr. B. Ramesh Chandra, *Study of Dielectric properties on Metal Matrix Composite of LM25 alloy with Silicon carbide by Stir casting*, Journal of Emerging Technologies and Innovative Research (JETIR), ISBN No.2349-5162, Vol No.5, Issue No.11, pp.509-512, November, 2018
- ▶ Dr. B. Ramesh Chandra, *Fabrication of Aluminum alloy (LM25) reinforced with Al<sub>2</sub>O<sub>3</sub> Metal Matrix composite by Stir casting method*, International Journal of Research (IJR), ISBN No.2236-6124, Vol No.7, Issue No.6, pp.1757-1761, November, 2018
- ▶ Dr. B. Ramesh Chandra, *Effect of Mold Properties on shrinkage of gray cast iron castings*, JASC, ISBN No.1076-5131, pp.98-101, August, 2017
- ▶ Dr. B. Ramesh Chandra, *Study the effect of fiber content on the mechanical properties of polymer matrix reinforced with natural fiber*, IJR, ISBN No.2236-6124, Vol No.6, Issue No.12, pp.76-78, December, 2017
- ▶ Dr. B. Ramesh Chandra, *Effect of Cu substitution on structural and hard magnetic properties of rapidly solidified Zr<sub>18</sub>Co<sub>82-x</sub>Cu<sub>x</sub> melt spun ribbons*, Journal of Alloys and Compounds, ISBN No.0925-8388, December, 2016
- ▶ Dr. B. Ramesh Chandra, *Improving the surface Properties of Medium Carbon Steel by Adding Alloying Elements Using Laser*, IJMETMR, ISBN No.2348-4845, Vol No.2, Issue No.2, pp.297-300, February, 2015
- ▶ Dr. B. Ramesh Chandra, *Evaluation of Mechanical Properties of Dissimilar Metals by Friction Welding*, International Journal and Magazine of Engineering, Technology, Management and Research, ISBN No.2348 - 4845, Vol No.1, Issue No.1, pp.26-30, January, 2014
- ▶ Dr. B. Ramesh Chandra, *Surface Modification of Commercial Pure Aluminium by Laser*, IJMETMR, ISBN No.2348 - 4845, Vol No.1, Issue No.5, pp.51-53, May, 2014

## - ▶ **Events Participated/Organized**

### - **Organized**

- ▶ Organized a Refresher Course on Composite and Nano Composite Materials- Metal, Ceramic, Polymer Matrix as New Engineering & Structural Materials (GIAN), JNTUH, College of Engineering, Hyderabad., 11-07-2016 to 21-07-2016

### - **Participated**

- ▶ Participated in a Workshop on *Swayam*, JNTUHCEH, HYD, 24-08-2018 to

- ▶ Participated in a FDP on *MOOCS and Open Educational Resources*, UGC HRD, JNTU Hyderabad, 21-05-2018 to 22-05-2018

- ▶ Participated in a FDP on *Computational Fluid Dynamics & its Applications in Mechanical Engineering*, JNTUHCEH, HYD, 23-04-2018 to 27-04-2018

- ▶ Participated in a FDP on *MOOCS and Open Educational Resources*, UGC HRD, JNTU Hyderabad, 05-01-2018 to 07-01-2018

- ▶ 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 Workshop on *NBA Accreditation (SAR Filling and Prepa*, UGC HRD Auditorium JNTUH, 14-12-2017 to 16-12-2017

- ▶ Participated in a Refresher Course on *Strategies for Research Oreinted Teaching*, JNTUHCEH, HYD, 05-06-2017 to 24-06-2017

- ▶ Participated in a Workshop on *Applications of Advanced Analytical techniques in Pharmaceutical Sciences and nanotechnology*, JNTUH, IST HYD., 16-09-2016 to 17-09-2016

- ▶ Participated in a Workshop on *Synthesis and Characterization of Nano Materials (SCNM- 2016)*, JNTUH, IST HYD., 14-03-2016 to 18-03-2016

- ▶ Participated in a Training on *National Level Technical and Cultural Fest*, Khammam Institute of Technology & Sciences, 08-03-2016 to 09-03-2016

- ▶ Participated in a Refresher Course on *Soft Skills for Professional Excellence*, UGC-ASC, JNTUH, 30-11-2015 to 19-12-2015

- ▶ Participated in a Workshop on *Awareness Workshop on Outcome Based Education and Accreditation*, TEQIP-II, JNTUH CEH, 14-09-2015 to

- ▶ Participated in a Workshop on *Stepping into Advanced flow reactors*, CCST, IST, JNTUH, 25-02-2015 to 26-02-2015

- ▶ Participated in a Workshop on *Safety in Chemical and Pharmaceutical Industries*, CCST, IST, JNTUH., 30-07-2014 to

- ▶ Participated in a Workshop on *Industrial waste water treatment Technologies- Zero discharge*, CCST, IST, JNTUH, 21-03-2014 to

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

- ▶ **Administrative Positions Held**

- ▶ EAMCET Coordinator, JNTUH CEH, 12 Feb 2019 - Present
- ▶ Addl. Controller of Examinations, JNTUH, 06 Dec 2013 - 13 Jul 2017
- ▶ Deputy Warden, JNTUH College of Engineering, Hyderabad
- ▶ Officer in charge of Examinations, JNTUH College of Engineering, Hyderabad

**Contact :**

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Metallurgical Engineering

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