



## **Dr. R Sri Rama Devi**

### **Professor**

Metallurgical Engineering

#### **Areas of Interest:**

- 1) Thermodynamics,
- 2) Extractive Metallurgy
- 3) Electrometallurgy
- 4) Alloy steels
- 5) Advance Non Ferrous metals
- 6) Light metals and Alloys
- 7) Mechanical behaviour of Metals
- 8) Corrosion Engineering

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

##### **- ▶ Academic Qualifications**

- ▶ Ph d in Mechanical Metallurgy, JNTUH CEH (2009-2019)

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M.Tech in Metallurgical Engineering, REC Warangal with Distention (1993-1995)

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B.Tech in Metallurgical Engineering, REC Warangal with First class (1984-1988)

##### **- ▶ At JNTUH**

- ▶ Associate Professor, JNTUH CEH (2013 - Till Date)
- ▶ Assistant Professor, JNTUH CEH (1999 - 2013)

##### **- ▶ Publications**

- **International Journals**

- ▶ Smt. R. Sri Rama Devi,, *Fracture Toughness Testing of Hot Rolled Nickel Free Nitrogen Based Austenitic Stainless - Steel in Both the Rolling Directions*, International Journal of Research, ISBN No.2236-6124, Vol No.7, Issue No.3, pp.48-59, MARCH, 2018

- ▶ Smt. R. Sri Rama Devi,, *Fatigue Crack Growth Rate Studies on Hot Rolled Nickel Free Nitrogen Based Austenitic Stainless Steels*, International Journal of Research, ISBN No.2236-6124, Vol No.7, Issue No.5, pp.394-403, MAY, 2018

- ▶ Smt. R. Sri Rama Devi,, *Numerical Investigation on heat transfer of Helical Baffles Shell and Tube Heat Exchanger*, International Journal of Modern Engineering and Research Technology , ISBN No.2348-8565, Vol No.5, Issue No.Special issue, pp.155-160, June , 2018

- ▶ Smt. R. Sri Rama Devi,, *Strain Hardening Behaviour of Hot rolled Annealed Nickel Free Nitrogen Based Austenitic Stainless Steel*, Science Direct Material Today, ISBN No.2214-7853., Vol No.4, Issue No.2, pp.917-926, 2017

- ▶ Smt. R. Sri Rama Devi,, *LCF Comparison Study on Modified ASS with Conventional ASS in Longitudinal and Transverse Directions*, Science Direct Material Today, ISBN No.2214-7853., Vol No.4, Issue No.8, pp.8025-8034, 2017

- ▶ Smt. R. Sri Rama Devi,, *Low Cycle Fatigue Studies on Hot Rolled Nickel Free Nitrogen based Austenitic Stainless-Steel in both the Rolling Directions*, International Journal of Research, ISBN No.2236-6124, Vol No.6, Issue No.12, pp.61-66, DECEMBER, 2017

- ▶ Smt. R. Sri Rama Devi, *EXPERIMENTAL INVESTIGATIONS ON HEAT TRANSFER ENHANCEMENT IN A HORIZONTAL TUBE USING CONVERGING AND DIVERGING CONICAL STRIPS*, ScienceDirect, Vol No.4, pp.1483-1491, 2015

- ▶ Smt. R. Sri Rama Devi,, *Development of Heat and corrosion resistant castings for power plant applications*, IJERD, ISBN No.2278-067X, Vol No.9, Issue No.9, pp.11-17, JANUARY , 2014

- ▶ Smt. R. Sri Rama Devi, *EXPERIMENTAL INVESTIGATIONS ON HEAT TRANSFER ENHANCEMENT IN A HORIZONTAL TUBE USING CONVERGING AND DIVERGING CONICAL STRIP INSERTS*, Applied Mechanics and Materials, pp.1590-1595, July, 2014

- ▶ Smt. R. Sri Rama Devi, *Solar Water Distillation Using Two Different Phase Change Materials*, Applied Mechanics and Materials, pp.2409-2415, July, 2014

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

### - **Organized**

- ▶ Organized a Refresher Course on New Generation materials, JNTUH CEH Hyderabad, 06-03-2013 to 20-03-2013

### - **Presented**

- ▶ Presented a paper in *Numerical Investigation on heat transfer of Helical Baffles Shell and Tube Heat Exchanger*, OU, 29-06-2018 to 30-06-2018

- ▶ Presented a paper in *LCF Comparison study on modified ASS with conventional ASS in longitudinal & Transverse Direction*, ICAAMM “2016, MLR Institute of Technology, Hyderabad, 07-07-2016 to 09-07-2016

- ▶ Presented a paper in *Strain Hardening Behaviour of Hot rolled Annealed Nickel Free Nitrogen Based Austenitic Stainless Steel*, GRIET, 12-03-2016 to 13-03-2016

- ▶ Presented a paper in *HEAT TRANSFER ENHANCEMENT IN A DOUBLE PIPE HEAT EXCHANGER USING NANO FLUIDS*, IIT Delhi, New Delhi, 03-10-2015 to 04-10-2015

- ▶ Presented a paper in *EXPERIMENTAL INVESTIGATIONS ON TURBULENT FLOW HEAT TRANSFER ENHANCEMENT IN A HORIZONTAL TUBE USING INSERTS*, IIT Delhi, New Delhi, 03-10-2015 to 04-10-2015

- ▶ Presented a paper in *Experimental Study of Solar Still with Energy Storage Material*, Department of Mechanical Engineering, MANIT, Bhopal, 27-11-2014 to 29-11-2014

- ▶ Presented a paper in *Renewable and Sustainable Energy (NCRSE-2014)*, JNTUH IST Hyderabad, 27-06-2014 to 28-06-2018

- ▶ Presented a paper in *Advancement of Mechanical Engineering to meet global challenges, IMEC 2014*, NIT, Tiruchirappalli, 13-06-2014 to 15-06-2014

- ▶ Presented a paper in *Emerging Trends for Sustainability, ICMEETS 2014*, NIT, Bhopal, 29-01-2014 to 31-01-2014

### - **Participated**

- ▶ Participated in a Workshop on *Teaching Learning and Evaluation Online with Moodle MOOC Platform & Open Education Resources*, JNTU Sultanpur, 26-02-2019 to 28-02-2019

- ▶ 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 Workshop on *Mentoring skills and thinking skills for Engineering Faculty*, JNTUHCEH, HYDERABAD, 18-07-2014 to 19-07-2014

- ▶ **Administrative Positions Held**

- ▶ Officer in charge of Examinations, JNTUH College of Engineering, 30  
Jul 2017 - 01 Aug 2019

- ▶ Board of Study's Chair Person, JNTUH College of Engineering

**Contact :**

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**Dr. R Sri Rama Devi**

Metallurgical Engineering

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