

**NAME:**Dr.R.S.UMA MAHESHWAR RAO

**QUALIFICATIONS:**Ph.D.,M.Tech, B.E.( Mechanical (Production) Engineering)

**DATE OF BIRTH:**24/11/1981

**AREA OF RESEARCH/SPECIALIZATION :** Material Science and Technology

**E MAIL ID :** [rsurao24@gmail.com](mailto:rsurao24@gmail.com) / [uma.mech@jbiet.edu.in](mailto:uma.mech@jbiet.edu.in)



**PHONE NUMBER :**9490173424

### **SUBJECTS TAUGHT**

Metallurgy and Material Science, Engineering Mechanics, Fluid mechanics and Hydraulic Machines, Unconventional machining processes, machine drawing, engineering drawing, production technology, metrology and surface engineering etc.

### **ACHIEVEMENTS**

Journals published

R.S.UmamaheshwarRao, Dr. G.C.M.Reddy, Development and Thermal Characterization of Chitin Particle Reinforced Phenol Formaldehyde Composite. Institute of Engineers journal, vol. 92, 2011,pp 8-11, ISSN: 2250-2483

R.S.UmamaheshwarRao , Dr. G.Chandra Mohan Reddy, Thermal Characterization of Crab Shell Chitin Whisker Reinforced Phenol Formaldehyde Nanocomposites. International Journal of Emerging Technology and Advanced Engineering. Vol 4(1), January 2014, pp 407-412, ISSN 2250–2459

R.S.UmamaheshwarRao , Dr. G.Chandra Mohan Reddy, Synthesis of Chitin nano Particles for Preparation of nano PF Composites, IOSR journal of Polymer and Textile Engineering (IOSR-JPTE), Vol 1(2), January 2014, pp 11-14, e-ISSN:2348-019X, p-ISSN: 2348-0181

R.S.UmamaheshwarRao , Dr. G.Chandra Mohan Reddy, Sorption Characterization of Crab Shall Chitin Whisker Reinforced phenol Formaldehyde Nanocomposites, International Journal of Research and Engineering, Vol 3(6), June 2016, pp 38-40, ISSN: 2348-7860

R.S.UmamaheshwarRao, Dr. G.Chandra Mohan Reddy, Mechanical Properties of Chitin WhiskerLoaded Water Soluble Phenol Formaldehyde nano Composites, International Journal of Mechatronics and Manufacturing Technology(MANTECH Publications), Vol 1(1), 2016, pp 14-21

P. Sridhar, Dr. R.S Uma MaheshwarRao, Mr. Y Vijaya Kumar, Design Improvement in front Bumper of a Passenger Car using Impact Analysis, International Journal of Engineering Technology Science and Research, IJETSR ISSN 2394 – 3386, Volume 4, Issue 12, December 2017

### **CONFERENCES/SEMINARS/SYMPOSIUMS CONDUCTED**

A Guest Lecture on “Basic Principles and its applications of Metrology” at JBREC on 13th October 2017. In Mechanical Engineering Department.

Participated in “One Week Workshop on Emerging Trends in CAD/CAM Technologies” on 9th to 14th December 2016.

Conducted by Mechanical Engineering Department of JBREC.

Participated in “A Refresher Course on Automobile Engineering” held during 10-12 February 2015 organized by Department of Mechanical Engineering Department JB Institute of Technology.

Participated in a Two Day Workshop on “Advances in Thermal Engineering” (ATE-2014). Organized by Mechanical Engineering Department of CBIT on 28th and 29th November 2014.

Participated in 3rd International Conference on Recent Advances in Design, Development and Operation of Micro Air Vehicle (ICRAMAV-2014) held during 5-7 November 2014 by JNTUH, Hyderabad.

Received the award of Excellence in organizing NRC(National Robotics Championship 2013-14 India’s Biggest Robotics Championship. A zonal level workshop cum championship a grand event.

Chief Coordinator for “National Robotics Championship 2014” work shop conducted on 2nd and 3rd August 2013 by Malla Reddy Engineering College in association with IIT Madras and ARK Techno solutions.

Organizing Member in National conference on “Role of Civil & Mechanical Engineer in development of the society (RCMS-13)” organized by Malla Reddy Engineering College on January 20th and 21st of 2013 for the sessions on thermal and production Technology.

Participated in a Two day Workshop on “Recent Developments in Mechanical Engineering” on 12th &13th Feb-2011 at MREC, Hyderabad

Member in National Conference on “EXCELLENCE IN NEW TECHNOLOGIES IN MECHANICAL ENGINEERING (ENTIME)”organized by Malla Reddy Engineering College and Malla Reddy Engineering college for Women on January 16th and 17th of 2010 for the sessions on thermal and production Technology.

Refresher Course on “Design Aspects of Mechanical and Aero Space Engineering” on 2nd -10th July 2009 at Department of Aeronautical Engineering, MRCET&CMEC. Secunderabad

Participated in “International Conference on Computational Methods in Engineering and Sciences” (ICCMES’09) held during 8-10 January 2009.

#### **STUDENT PROJECTS (UG & PG) SUPERVISED (IN LAST 3 YEARS)**

PG: 5 UG:12

#### **ADDITIONAL RESPONSIBILITY**

IQAC Coordinator, in-charge for conducting seminars, guest lectures, industrial visits, NAAC COORDINATOR, NBA COORDINATOR, Lab In-charge of Metallurgy Lab, Metrology Lab etc. ,