



SASI BHUSHAN BHIMAVARAPU

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EDUCATIONAL QUALIFICATION

- **M.Tech. (Materials Science)** from Barkatullah University in 2007 with **68.5%**
- **M.Sc. (Physics)** from Barkatullah University in 2003 with **58.5%**
- **B.Sc.** from Andhra University in 1999 with **55%**
- **PGDCA** from Central University, Pondicherry in 2000 with **64%**

PROFESSIONAL EXPERIENCE (Research & Teaching)

1. Assistant Professor of Physics in **Sri Vasavi Engineering College**, Pedatadepalli, Tadepalligudem since Aug, 2011.
2. As Project Assistant level –III in **Advanced Materials & Processes Research Institute (CSIR)**, Bhopal from Oct, 2007 to Jul, 2011
3. As Lecturer in Physics in Govt. Junior College, Eluru from 2003 to 2005

INTERNATIONAL PUBLICATIONS

“Compressive deformation behavior of Al 2024 alloy using 2D and 4D processing maps”, **SB.Bhimavarapu**, AK Maheshwari, D Bhargava, SP Narayan, *Journal of Material Science*, 2011, Volume 46, Number 9, Pages 3191-3199.

INTERNATIONAL CONFERENCES

1. “A study on the deformation behavior of Mg and Mg alloys using 4D processing maps”, SP Narayan, **SB Bhimavarapu**, D Bhargava and AK Maheshwari, Compendium **COM 2011**, Oct, 2011, Montreal, Canada.

2. *"An investigation on the effect of tensile loading on the ductile to brittle transition temperature of ferritic steel"*, **SB Bhimavarapu**, AK Maheshwari, D Bhargava, BK Dutta, SP Narayan. **SMiRT-21**, Dec, 2011, New Delhi, Vol. 3 , 2183-90

PAPERS PRESENTED IN CONFRENCES

1. *"Generation Of 4-D Efficiency Map For Al-2024 Alloy"*, **Sasi.B.Bhimavarapu**, Durgesh.D.Mishra, B.K.Prasad, S.P.Narayan, Proc. of ICAMC-07, Trivandrum, 471-474.
2. *"Generation of iso-thermal, iso-efficiency and iso-strain rate maps for Al-2024 Alloy"*, **Sasi. B. Bhimavarapu**, Deepti Bhargava, B. K. Prasad & S. Prakash Narayan, Proc.of NMD-ATM-07.
3. *"A study on the effect of low temperature on the deformation kinetics of Al-2024 alloy"*, **Sasi. B. Bhimavarapu**, Deepti Bhargava, B. K. Prasad & S. Prakash Narayan, Proc of NMD-ATM 2008, 251-252.
4. *"An Investigation on Ductile to Brittle Transition Temperature of Different Steels"*, Deepti Bhargava, **Sasi.B.Bhimavarapu**, Amit Maheshwari, S.P.Narayan, Proc of NMD-ATM 2008, 272.
5. *Age hardening of Al – 2024 ally after cryo forming"*, **Sasi. B. Bhimavarapu**, Amit Kumar Maheshwari, Deepti Bhargava, & S. Prakash Narayan, Proc of NMD-ATM 2009, 168-169.
6. *"An Investigation on Ductile to Brittle Transition Temperature of Different Steels"*, Deepti Bhargava, Amit Maheshwari , **Sasi.B.Bhimavarapu**, S.P.Narayan, Proc of NMD-ATM, 2009, 187-188.
7. *"Mathematical Modeling for Cryo Deformation Mechanism"*, Amit Kumar Maheshwari, **Sasi. B. Bhimavarapu**, Deepti Bhargava & S. Prakash Narayan, Proc of NMD-ATM, 2010.
8. *"Mathematical Modeling on Cryo Forming of Al-2024"*, Amit Maheshwari, **Sasi.B.Bhimavarapu**, Deepti Bhargava, S.P.Narayan, Proc. of MRSI AGM 2011.
9. *"Generation of 4D Process Map and Activation Energy of Mg-Ce Alloy"* **Sasi.B.Bhimavarapu**, Amit Maheshwari, Deepti Bhargava, S.P.Narayan, Proc. of MRSI AGM 2011.
10. *"An Investigation Into The Determination of Ductile To Brittle Transition (DBT) Temperature of Mild Steel Under Static Tensile Loading"*, Deepti Bhargava **Sasi.B.Bhimavarapu**, Amit Maheshwari, , S.P.Narayan, Proc. of MRSI AGM 2011.

11. "Achieving High Toughness in Al Alloys by Producing Ultra Fine Grains through Cryo Deformation", **Sasi.B.Bhimavarapu**, Ch J N Pavan Kumar, SP Narayan, Proc. of NCRTAM-2012, held at Sir CRR College, Eluru.

CAREER ACHIEVEMENTS

- Good experience in conducting mechanical tests at sub zero and high temperatures (-150⁰C to 1200⁰C) with UTM and its state-of-the-art accessories like Diametral, Axial and Laser extensometers.
- Successfully prepared a 4D efficiency map for Al-2024 alloy.
- Helped in setting up a national level experimental setup for low temperature mechanical testings at AMPRI, Bhopal.
- Received first prize in poster presentation for Project Assistants and Research scholars conducted in December, 2008.
- Received Consolation prize in Poster presentation conducted for Project Assistants and Research scholars on CSIR foundation day in September, 2009.
- Received first prize in quiz conducted by AMPRI for Project Assistants and Research scholars.
- Worked in prestigious projects like General Motors (USA), BARC, CSIR Network project and DST-JSPS projects.