

Curriculum vitae

Personal

Name: Srinivasa Rao Atchuta

Designation: Project Scientist

Address:

Center for Solar Energy Materials
International Advanced Research Center for Powder
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Academic Qualifications

2015-Present	Doing PhD under AcSIR in CSIR- NAL
2008-2010	Post graduation in Chemistry Indian Institute of Technology Roorkee, Roorkee, India CGPA: 7.63/10
2004-2007	Graduation in Mathematics, Physics and Chemistry AKRG Degree College, Andhra University, Andhra Pradesh Percentage: 73.3

Professional Experience

Nov 2016 – Present	Working as a Project Scientist in Centre for Solar Energy Materials, ARCI, Hyderabad
Sep 2012 – Nov 2016	Research Scientist in Research Technology and Innovation Centre, Thermax, Pune
Sep2010– Sep 2012	Junior ARCI Fellow in Centre for Solar Energy Materials, ARCI, Hyderabad
May2009-Jul2009	Summer Project student in School of Chemistry, UOH, Hyderabad

Award

- Selected for **“Thermax Scientific Breakthrough Award”** in the FY 2012-13 for the Development of anti-reflective coating on glass tube for Solar Thermal application to reduce the cost of Parabolic Trough

Patents

- S. Sakthivel, **S.R. Atchuta** *“A high thermal stable selective solar absorber layer with low emissive property over a substrate and a process of producing the same”* (Indian patent: 3312/DEL/2012, filed on 29/10/2012)
- S. Sakthivel, V.P. Kumar, **S.R. Atchuta** *“An improved solar selective absorber coating with excellent optical absorptance, low thermal emissivity and excellent corrosion resistance property and a process of producing the same”* (Indian patent: 1129/DEL/2013, filed on 16/04/2013)

Publications

- ✓ **A. Srinivasa Rao**, S. Sakthivel *“A highly thermally stable Mn–Cu–Fe composite oxide based solar selective absorber layer with low thermal loss at high temperature”* Journal of Alloys and Compounds 644 (2015) 906–915

Training and Presentations in National / International Conferences

- Training on “Designing of Concentrated Solar Thermal & Solar Water Heating Systems” conducted by National Institute of Solar Energy, Gurugram, Haryana MNRE, Govt. of India
- Work Presented in “ICONSAT-2012” – ‘Ag-TiO₂ nano composite selective solar absorber coatings for solar thermal application’ Organised by ARCI, Hyderabad
- Work Presented in “IEEE–2011 conference” – ‘Development of high absorption and low emissivity coatings for solar thermal applications’ Organised by IEEE, Hyderabad
- Participated in national conference of “NSRNEP-2012” at JNTU Anantapur College of Engineering, Pulivendula, Andhra Pradesh