

- a. Name: D.Sreenivas Reddy
- b. Qualification: M.Sc., (Chemistry)
- c. Designation: Technical Officer-B
- d. Contact information (Centre attached to, phone number, fax, official email):
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- e. Experience: 3½ years in Standard Stearates and Chemicals as Chemist and 19 years in ARCI.
- f. Research Areas of Interest: R & D work in material science, analysis of different products in wet chemical & in non destructive methods and synthesis of different new sols for various properties and applications.
- g. List of Journal Publications:

1. R. Subasri, A. Jyothirmayi and D.S. Reddy (2010): Effect of plasma surface treatment and heat treatment ambience on mechanical and corrosion protection properties of hybrid sol-gel coatings on aluminum” , Surface and Coatings Technology, **205**, 806-813.

- h. Contribution to conferences:
 - 1. K.R.C. Somaraju, A. Jyothirmayi, D.S. Reddy, R. Subasri and G. Padmanabham, “Investigations on Mechanical and Corrosion Protection Properties of Hybrid Sol-Gel Coatings on J4 Grade Stainless Steels”, International Conference on Advanced Ceramics SGPAC-2009, IGCAR, Kalpakkam, Chennai, Oct. 11-14, 2009. P244-247, Proceedings of the processing for advanced ceramics.
 - 2. Soma Raju K.R.C, Sreenivas Reddy D, Jyothirmayi A, and Subasri R, “Effect of heat treatment on mechanical and corrosion properties of low temperature curable sol-gel silica-zirconia nano composite coatings”, 16th International Sol-Gel Conference, August

28th- September 2nd, 2011 Department of Materials Science and Engineering, Zhejiang University, Hangzhou 310027, Zhejiang Province, P.R. China.

3. K. R. C. Soma Raju, A. Jyothirmayi, , D. Sreenivas Reddy, Y. Srinivasa Rao, R. Subasri, "Nano structured sol-gel coatings for high temperature wear and tarnish resistant applications", NANO INDIA 2013, February 19-20, 2013, organized by CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram & supported by Nano Mission, Dept. of Science and Technology, New Delhi.

i. List of Patents:

1	An improved abrasion resistant and hydrophobic composition for coating plastic surfaces and a process for its preparation	1278/ DEL/ 2011	02/05 /2011	Indian	Kalidindi Rama Chandra Soma Raju, Dendi Sreenivas Reddy, Raghavan Subasri, Gadhe Padmanabham
2	An Improved Composition for Solar Selective Coatings on Metallic Surfaces and a Process for Its Preparation and a Process for Coating Using the Compositions	3324/ DEL/ 2011	22/11 /2011	Indian	Kalidindi Rama Chandra Soma Raju, Dendi Sreenivas Reddy, Raghavan Subasri, Gadhe Padmanabham

j. Conference proceedings: Nil

k. Contribution to Books: Nil

l. Affiliation to Professional societies: Nil

m. Awards & Honors: Nil

n. Photograph (soft Copy):

