

**Name**

Ms. J. Revathi

**Designation**

Scientist C

**Qualification**

M.Sc. (Materials Science)

**Experience**

Jan 2005 - July 2005	Graduate Trainee at ARCI
August 2005 – November 2006	JRF at ARCI
November 2006 – October 2010	Scientist B at ARCI
October 2010 - Till date	Scientist C at ARCI

**Research areas of interest**

Synthesis and structure-property correlation studies of nano materials, Nanostructured materials for lithium ion battery applications

**List of Journal Publications**

1. Synthesis and surface chemistry of nano silver particles  
Polyhedron, Volume 28, Issue 12, 5 August 2009, Pages 2522-2530  
J. Revathi, K. Murugan, H. Neha, T. N. Rao
2. Structural stability of  $\alpha/\beta$ -Mo<sub>2</sub>C during thermochemical processing  
J. Alloys & Compounds, Volume 494, Issues 1-2, 2 April 2010, Pages 386-391 K.  
Madhav Reddy, T.N. Rao, J. Revathi, J. Joardar
3. Investigations on the photocatalytic activity of sol-gel derived plain and Fe<sup>3+</sup>/Nb<sup>5+</sup>-doped titania coatings on glass substrates  
Mat. Chem. & Physics, Volume 124, Issue 1, 1 November 2010, Pages 63-68 R.  
Subasri, M. Tripathi, K. Murugan, J. Revathi, G.V.N. Rao, T.N. Rao

## **List of Patents**

1. Improved process for large scale production of nano silver suspension for antibacterial textile finish. J. Revathi, K. Murugan, H. Neha, T. N. Rao
2. Improved process for preparation of nano silver coated filter candles. J. Revathi, K. Murugan, T. N. Rao

## **Contact information**

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