

**Name**

Mr. Vallabha Rao Rikka

**Designation**

Junior Scientist

**Qualification**

B.E, M.Tech (Nanotechnology)

**Experience**

Jan 2010 – June 2010

Project student  
BARC, Mumbai

2010 – 2013

Project Assistant  
IISc, Bangalore

**Research areas of interest**

Development of Li-Ion battery for electric vehicles.

**List of journal publications**

- 1) Investigation of nanowire based gas sensors.  
Niranjan Ramgir, Shashwati Sen, Manmeet Kaur, Satyendra Kumar Mishra, Vallabharao Rikka, Rashmi Choukikar and Kunal Muthe.  
*Asian Journal of Physics. Vol. 19, No. 2(2010)25-30*
- 2) ZnO Nanowires As H<sub>2</sub>S Sensor.  
N. S. Ramgir, **V. Rikka**, M. Kaur, S. Kailasa Ganapathi, S. K. Mishra, N. Datta, D. K. Aswal\*, S. K. Gupta and J. V. Yakhmi.  
*AIP Conf. Proc. 1313, 322 (2010)*

**Conference Proceedings**

- 1) Poster Presentation of the paper entitled "BT/ST superlattices "  
Sheela D, Anoop K Mathew, Rikka vallabha Rao Ranjay Laha, M. Thirumavalavan, S. B. Krupanidhi and A.T. Kalghatg  
2012 3rd International Conference on Manufacturing Science and Technology (ICMST 2012).

- 2) Poster presentation on “Dielectric Characterization of  $\text{La}_2\text{Ti}_2\text{O}_7$  thin films grown by Pulsed Laser Deposition”.  
Anoop K Mathew, Rikka vallabha Rao Ranjay Laha, M. Thirumavalavan, S. B. Krupanidhi and A.T. Kalghatg  
6<sup>th</sup> DAE-BRNS National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011).
- 3) Poster Presentation of the paper entitled “BT/ST superlattices “  
Sheela D, Anoop K Mathew, Rikka vallabha Rao Ranjay Laha, M. Thirumavalavan, S. B. Krupanidhi and A.T. Kalghatg  
2012 3rd International Conference on Manufacturing Science and Technology (ICMST 2012).
- 4) Poster presentation on “Dielectric Characterization of  $\text{La}_2\text{Ti}_2\text{O}_7$  thin films grown by Pulsed Laser Deposition”.  
Anoop K Mathew, Rikka vallabha Rao Ranjay Laha, M. Thirumavalavan, S. B. Krupanidhi and A.T. Kalghatg  
6<sup>th</sup> DAE-BRNS National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD-2011).

#### **Contact Information**

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Chennai 600 113  
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Email: [vallabha.rao@gmail.com](mailto:vallabha.rao@gmail.com)

#### **Awards and Honors**

Second prize in Model Display at a national level student technical symposium, SANKLAP-2006  
at SRKR Engineering College