

Name

V.V.N. Phanikumar

Designation

Project Junior Scientist

Education

Ph.D. Department of Chemistry, NIT-Warangal, Warangal. (Pursuing)

M.Sc. Organic Chemistry, Andhra University (2007-2009).

B.Sc. Maths, Physics and Chemistry, Andhra University (2004-2007).

Areas of Interest

Aqueous binders for lithium ion batteries, Natural Polymers, Amorphous carbon materials, Spectroscopy techniques, Energy storage materials.

Experience

- ✓ Project. Junior Scientist - November 2017 to Till Date in CAEM, ARCI, Chennai
- ✓ Senior /Junior Fellowship - May 2013 to October 2017 in CAEM, ARCI, Chennai
- ✓ Project Associate - August 2011 to April 2013 in CAEM, ARCI, Chennai
- ✓ Jr. Chemist in Quality Control Department, May 2010 to July 2011 in Arch Pharma Labs, Sangareddy, Medak Dist.
- ✓ Worked as an Associate in K.Ramachandra Transmissions and Pvt. Ltd, November 2009 to May 2010, Hyderabad.

List of Journal Publications

- 1) Polyvinyl alcohol and sodium alginate as alternate green binders in preparation of lithium titanium oxide anode for lithium ion batteries (Submitted)
- 2) Tamarind seed skin derived fibre-like carbon nanostructures as novel anode material for lithium-ion battery (Accepted in Ionics, Springer)

Awards / Honours

Received the '**Best Poster Award**' for the poster presentation on " Effect of polyvinyl alcohol and sodium alginate aqueous binders on lithium titanium oxide anode for lithium ion batteries" at National conference on frontiers in chemical sciences and technologies (FCST) held at NIT-Warangal ,Warangal during 28 -29th January, 2016.

Conference / Workshop Attended

- 1) National conference on frontiers in chemical sciences and technologies (FCST) held at NIT-Warangal, 28 -29th January 2016, Warangal.
- 2) Oral presentation on Investigation on LiFePO₄/C cathode prepared by eco-friendly poly vinyl alcohol (PVA) binder for Lithium-ion battery at NMD-ATM, 13-16th November 2015, Coimbatore.
- 3) One day workshop on “Emerging applications of laser technology in manufacturing” held at VIT University, 13th February 2015, Vellore.

Contact Information

IIT-M Research Park,

Centre for Automotive Energy Materials (CAEM),

International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI),

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