

## PROJECT SCIENTIST (Junior Level)

### CAREER OBJECTIVE

To develop my career as a passionate Chemical Engineer and provide solutions for development of Alternate Energy Technology in electric vehicle sector.

**RESEARCH AREA OF INTREST:** *Alternate Energy and Devices for*

*E- Applications.*

### WORK EXPERIENCE

Jan 2018 – Present **Project Scientist (Jr.)**

*International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Centre for Fuel Cell Technology (CFCT), An Autonomous Research and Development Center, Department of Science and Technology Government of India 2<sup>nd</sup> floor phase 1- IIT Madras Research Park, Chennai*

Jan 2017-Jan 2018 **Senior Research Fellow (SRF)**

*ARCI-CFCT,*

*2<sup>nd</sup> floor phase 1: IIT Madras Research Park, Chennai.*

**Breakthrough:** Developed and scaled up energy device up to **2000 mAh capacity, Ni-Zn battery** which is Eco-friendly and easily reclaimable, would be in future replacing the lead –acid batteries for SLI-Applications in Electric Vehicles. (**Will be patented**)

Jan 2015-Jan 2017 **Junior Research Fellow (JRF)**

*ARCI-CFCT,*

*2<sup>nd</sup> floor phase 1: IIT Madras Research Park, Chennai.*

Aug 2013- Aug 2014 **Senior Engineer Business Operation**

*CLAR AQUA Pvt. Ltd, Chennai*

**Assignments:** I was dealing with Operation and Commissioning of Sewage Treatment plant (STP) and Water Treatment Plant (WTP) at Commercial and Techno-Commercial level.


### EDUCATION


2009-2013 **Bachelors (B.Tech-Chemical Engineering)**  
Centurion University of Technology and Management, (CUTM)  
Odisha.

2007-2009 **Higher Secondary**  
Christ Collage Cuttack (CHSE)

2006-2007 **Secondary Education (Matric)**  
Cambridge School, Cuttack (ICSE)



 Upper Police Colony,  
DeulasahiTulasipur Cuttack, Odisha-08

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### SKILLS

Mass Transfer, Thermodynamics, Heat Transfer, Chemical Reaction Engineering, Water treatment and Battery Technology

### SUMMARY

- Highly Efficient in Engineering and Research with experience in wide range of Battery management and renewable power sources.
- Exceptional interpersonal and leadership skills with the ability to build positive and productive teams
- Leverage outstanding organizational and analytical skills to evaluate and revise administrative processes and improve accuracy and efficiency.

## ACHIEVEMENTS

- *Have received “GOLD MEDAL” from the Honorable Governor of Odisha on the convocation ceremony of the University, for securing highest SGPA (9.57) in the department of chemical engineering.*
- Have been Awarded Runner Certificate on Basketball Match held from 8<sup>th</sup> to 15<sup>th</sup> august 2012 on the Grandeur of Independence Day Celebration at Paralakhemundi.
- Achieved 1<sup>ST</sup> prize in “TECHNO QUIZ” contest organized by the department of chemical engineering on January 2012
- Have been chosen for the **Class Representative** for consecutive 6 semesters by the Head of the Department.
- Selected for Special Scholarship for the rank in **OJEE-3462(GN)**
- Scored **RANK-98 in NIRTAR** in medical exam, Nation Level
- Have received “**GRADE-B**” certificate at school level in NCC.
- Have won 1<sup>st</sup> **prize** in painting contest organized by BHARATIA ART EDUCATION SOCIETY MUMBAI, in the year 2003.
- Have assisted “Help Age India” in raising the funds and creating awareness in the year 2002.

## COMPUTER KNOWLEDGE

- Languages: C and C++
- Microsoft Office: Microsoft Word, PowerPoint, Excel
- Software: MATLAB (2009b version), Origin Pro 2015

## Technical Expertise:

- Electrochemical Test station
  - a) Solartron multichannel Galvanostat/potentiostat
  - b) Bio-logic multichannel electrochemical work station
  - c) Battery cycler
- X-Ray-Diffractometer (XRD):
- Scanning Electron Microscope (SEM)

## TECHNICAL SEMINAR/WORKSHOP

- Workshop on “Hydrogen Energy Technology” During Dr. K.S. Dhathathreyan’s, Associate Director International Advanced Research Centre for powder metallurgy and New Materials (ARCI) felicitation programme on 27-01-2016 at **IIT Madras**, Chennai.
- One Day workshop on “Advancement in XRD measurement Technique of powders and thin films” on 15-11-16 at **IISC Bangalore**