

# SOBAN BABU MUKIRI

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Gollapudi, Andhra Pradesh | 25 June 1991  
ADDRESS: Door No. 1-124, Gollapudi, Parchur Mandal, Prakasam District, Andhra Pradesh- 523169.  
PHONE: +91 75981 43082  
EMAIL: [mukirisobanbabu@gmail.com](mailto:mukirisobanbabu@gmail.com)

## RESEARCH WORK EXPERIENCE

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JUNE-DEC 2015 | Project Assistant at CSIR- CENTRAL ELECTROCHEMICAL RESEARCH INSTITUTE, Karaikudi, Tamilnadu-630003, INDIA.  
PROJECT TITLE | *Hybrid Nanostructured Materials for Quantum Dot Based Photoelectrochemical Solar Cells.*  
Adviser: Dr. Subhendhu. K. Panda

## EDUCATION

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JUNE 2015 | **Master of Technology in Nanotechnology**, NATIONAL INSTITUTE OF TECHNOLOGY SURATHKAL, Karnataka- 575 025, INDIA.  
Thesis: "Enhanced photoelectrochemical water splitting behaviour of tuned bandgap CdSe QDs sensitized LaB6" at CSIR- Central Electrochemical Research Institute, Karaikudi.  
Adviser: Assistant Professor. Dr. Shashi Bhushan Arya  
External Advisor: Scientist. Dr. G. Sreedhar  
GPA: 7.78/10

APRIL 2012 | **Bachelor of Technology in Mechanical Engineering**, RVRJC COLLEGE OF ENGINEERING, Guntur, Andhra Pradesh- 522019, INDIA.  
Thesis: "Optimization of Automobile engine radiator core using ant-colony algorithm"  
Adviser: Assistant Professor. B. Ravi Sankar  
PERCENTAGE: 71/100

MARCH 2008 | **Intermediate (12th)** at SRINIVASA PADMAVATHI GOUTHAM JR. COLLEGE, Vidyanagar, Guntur- 522007, Andhra Pradesh, INDIA  
PERCENTAGE: 87.60/100 | [Maths, Physics and Chemistry](#)

APRIL 2006 | **Secondary School Certificate(10th)** at ANDHRA PRADESH RESIDENTIAL SCHOOL (APRS), Tadikonda, Guntur-522236, Andhra Pradesh, INDIA.  
PERCENTAGE: 85/100

## PUBLICATIONS

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1. Enhanced photoelectrochemical water splitting behaviour of tuned bandgap CdSe QDs sensitized LaB6, **M. Soban Babu**, A. Sivanantham, B. Barath Chakravarthi, R. Sujith kannan, Subhendu K. Panda, L. John Berchmans, S. B. Arya, and Gosipathala Sreedhar (J. Nanosci. Nanotechnol. 2016, Vol. 16, No. xx)

## CERTIFICATES

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AUGUST 2011 | Certificate course in CATIA and ANSYS

## COMPUTER SKILLS

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Knowledge | Microsoftwindows, MS Office, ubuntu, MATLAB, COMSOL  $\LaTeX$

## RESEARCH AND TECHNICAL SKILLS

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1. Expertise in characterizing the materials using techniques like XRD, XPS, FT-IR etc.
2. Skilled in using instruments such as UV/Vis spectrophotometer, SEM
3. Basic Utilities: Origin, X'Pert HighScore Plus, windows publisher and ImageJ.