

Salunke Ashish Shivaji

University of North Texas
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Education **University of North Texas**, Denton, Texas, USA
Doctor of Philosophy, Analytical/Materials Chemistry, (2017-2022) GPA: 4/4

Central Electrochemical Research Institute, Karaikudi, India
Bachelor of Technology, Electrochemical Engineering, (2013-2017) GPA: 8.42/10

Journal Publications **Project One:**
Ashish Salunke, Karthick K., Dr. Selvaraj **Free-standing graphene/ conducting polymer hybrid cathodes for FTO substrate and Pt free counter electrode in quasi-state dye sensitized solar cells:** (DOI: 10.1002/slct.201600874)

Project Two:
Anantharaj S., Ashish Salunke, S.Kundu **Enhancing electrocatalytic total water splitting at few layer Pt-NiFe Layered double hydroxide interface** (DOI: 10.1016/j.nanoen.2017.06.027)

Project Three:
Anantharaj S., Ashish Salunke, S.Kundu **High-Performance Oxygen Evolution Anode from Stainless Steel via Controlled Surface Oxidation and Cr Removal** (DOI: 10.1021/acssuschemeng.7b02090)

Project Four :
Microwave-Initiated Facile Formation of Ni₃Se₄ Nanoassemblies for Enhanced and Stable Water Splitting in Neutral and Alkaline Media Acknowledged for the contribution. (DOI: 10.1021/acsami.6b15980)

Research Experience **PhD Student**
Aug 2017-present
Interfacial Electrochemistry and Material Research (IEMR) Lab, Department of Chemistry, University of North Texas, Denton, USA.

Undergraduate Research Student
July 2016-May 2017
CSIR-Central Electrochemical Research Institute (CECRI), ECMS, Karaikudi, India
Thesis - Microwave Assisted Functionalization of Ni Foam with Ni₃Se₄ Nano-arrays for Total Water Splitting.

Summer Intern
May 2016- August 2016
Electrochemical Engineering Lab, NTHU, Taiwan.

Awards and Honors

- **Global Engineering Leadership scholarship** for 2 months internship in Taiwan.
- **Indian Prime Minister Scholarship** recipient from 2013-2017.
- **All India Rank -117** in Nationwide Education and Scholarship Test level II.
- Awarded **Third prize** for paper presentation at NIT, Trichy-2016.

- **Rank Holder** in School(XII class) to be in 1 percentile of Maharashtra State Board,2013. Awarded **INSPIRE** Certificate by DST-MHRD.

**Skills and
Activities**

Skills:

X-ray Diffraction, RF Magnetron Sputtering, Contact Angle, FTIR Analysis, Infrared Spectrophotometry, XRD Analysis, Magnetron Sputtering, Wafer Cutting, Spin Coating, Optical Microscopy, Chemical Vapor Deposition, Cyclic Voltammetry, Amperometry, Electrochemical Analysis, Electrochemical Impedance Spectroscopy.

Scientific Membership:

-Society for Advancement in Electrochemical Science and Technology(SAEST)
-Electrochemical Technologists Association(ETA)
-Electrochemical Society (ECS) Student Member

Languages:

English, Marathi, Hindi, Tamil .

Declaration

I do hereby declare that the information furnished above is true to the best of my knowledge.

Salunke Ashish Shivaji