

Goutham Issac Ashok Kumar

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Professional Profile

A dedicated professional pursuing doctorate in Chemistry at University of North Texas, Denton. Well versed in carrying out complex analytical work, gathering data through observation, analysis and experiments. Possess the rare balance of innovative edge and technical competence. Self-motivated, hardworking & consistent with a high degree of flexibility, creativity, resourcefulness, commitment & optimism.

Objective

Seeking a challenging opportunity in Chemical/Electrochemical field, in a reputed organization, to attain personal & professional goals and contribute to the organisational goals & objectives.

Education

- Completed **B. Tech - Chemical and Electrochemical Engineering**, Central Electrochemical Research Institute, Affiliated to Anna University, Chennai (current GPA: **7.81**) (3.12 for 4 scale)
 - **HSC**, Velammal Matriculation Higher Secondary School, 2011, **95%**
 - **SSC**, Shrishti Matriculation Higher Secondary School, 2009, **91%**
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Prominent Academic Projects

- **Project:** Calcium Ferrite (CaFe₂O₄) as Anode Material for Generating Hydrogen from Water; **Department:** Electro Inorganic Division; **Scientist:** Dr. S. Ravichandran
 - **Project:** Carbon Deposited onto a Glassy Carbon Electrode and its Surprising Catalytic Performance in the Hydrogen Evolution Reaction; **Department:** Electro Inorganic Division; **Scientist:** Dr. S. Ravichandran
 - **Project:** Characterization of Chemical Equilibria of Cupric Chloride Copper Etching Baths via Thin-Film UV-Vis Spectroscopy; Department : IEMR; Scientist: Dr.Oliver Chyan
 - **Project:** Thin-Film UV-Vis Spectroscopy as a Chemically-Sensitive Monitoring Tool for Copper Etching Bath; Department : IEMR; Scientist: Dr.Oliver Chyan
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Instrumental Proficiency

- Impedence
 - Polarization Techniques
 - Potentiostatic Studies
 - Cyclic Voltametry
 - SEM
 - FT-IR
 - GC-MS
 - NMR
 - GPC Analysis
 - UV-Vis Spectroscopy
 - EDAX
 - ATR
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Key I.T. Skills

Operating Systems: Windows (All Versions), MS-DOS ,UNIX
Programming Languages: Basics of C, C++, JAVA
Simulation Packages: MS - Office, Star-Office
Designing: Basics Of AUTOCAD and ORIGIN

Academic Accolades

- Presented poster titled “**Calcium Ferrite (CaFe₂O₄) as anode material for generating hydrogen from water**” in the **International Conference** conducted by **ISAEST** (International Symposium on Advances in Electrochemical Science and Technology)
- Secured **Second place** in **National Level Technical Symposium** for paper presentation titled “**Carbon deposited onto a glassy carbon electrode and its surprising catalytic performance in the hydrogen evolution reaction**” conducted by **BITS Pilani ,Hyderabad.**
- Secured **Second place** in **National Level Technical Symposium** for paper presentation titled “**Calcium Ferrite (CaFe₂O₄) as Anode Material for Generating Hydrogen from Water**” conducted by **BITS Pilani ,Hyderabad.**
- Awarded **third prize** for exhibiting mini project titled “**Removal of Arsenic from drinking water by Electro coagulation Technique**” in the **OPEN DAY** competition 2013 held at **CECRI**
- Underwent **Implant training** in **Sriram Fibres, Chennai.**

Publications

- Alexander Lambert, Muthappan Asokan, Goutham Issac, Casey Love, Oliver Chyan: Thin-Film UV–vis Spectroscopy as a Chemically-Sensitive Monitoring Tool for Copper Etching Bath. DOI:10.1016/j.jiec.2017.03.004

Memberships

- **Student Representative** and Active Member of the Organizing Committee for **National Level Technical Symposium, SELECT**
- Held the position of **Convenor** for C(K)ultural And Literary Association (KALA) and organized Interface'15 , National level Cultural Fest.
- Held the position of **Secretary** of the **Electrochemical Technologists Association (ETA)** and the student body **President** and responsible for organizing weekly lectures and seminars delivered by scientists and industrialists from all over the world.

Extracurricular Activities

- Created a **science blog** “**VOYAGE TO THE ISLAND OF SCIENCE**” and actively post various science articles
- Participated and won prizes in various **Singing** competitions in Chennai district
- Participated in the various concurrent programs organized under “**National Service Scheme**” and served poor and needy
- Participated and won many Prizes in Quiz Competitions held in CECRI

Personal Details

Name : Goutham Issac Ashok Kumar
Father Name : Ashok Kumar Kuppuswamy
Mother Name : Kalpana Ashok Kumar
Date of Birth: 26th July, 1993.
Languages: Tamil And English
Interests: Hockey, hiking, poem writing, drawing, watching historic documentaries
Reference: Dr. Oliver M.R. Chyan,
Scientist,
Interfacial Electrochemistry and Materials Research Lab,
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