

# **Abdullah Al Ashraf**

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## **Objective:**

I wish to enhance and contribute my skills in the field of energy conversion and storage system as well as materials science through research and development, and also hope to work in a challenging, dynamic team-working environment where both the strategic management skills and research-based work can be successfully applied to achieve strategic business goals.

## **Current Position:**

Lab Technician at “Center for Advanced Materials” (CAM), Qatar University.

## **Education:**

- M. Sc. in Materials Science & Technology (Current student ) Qatar University; Doha-Qatar
- B. Sc. in Chemistry (2013) Qatar University; Doha-Qatar; GPA: 2.80(out of 4)
- Higher Secondary (2006) Bangladesh School & College; Doha-Qatar; GPA: 3.90(out of 5)
- Secondary School (2004) Bangladesh School & College; Doha-Qatar; GPA: 4.56(out of 5).

## **Research Experience:**

1. Research Mentor in the proposal of UREP 16 - 078 - 2 - 022 (Award Active); Title: Preparation and Characterization of a Low-Cost High Efficient Copper Indium Sulfide (CIS) Thin Film Solar Cell by Sol-Gel Technique.
2. Research Mentor in the proposal of UREP 16 - 156 - 1 - 024 (Award Active); Title: Metallic Nanoparticles/Organic Inhibitors as a Corrosion Inhibition System.
3. Post-graduate research student in the proposal of Qatar University Student Grant (Award Active); Title: Preparation of Functionalized Silica-Nanoparticles and their Applications for the Removal of Pesticides from Water.
4. Research Assistant in the proposal of University Grant QUUG-CAM-CAM-12/13 -1 (October 2013 to May 2014); Title: “Development of Low Cost, Efficient Copper, Indium & Sulfide (CIS) Solar Cell”

5. Undergraduate Research Experience Program (UREP), 14<sup>th</sup> cycle. December 2013 to June 2014. I am voluntarily participated in the project, which is related to “Synthesis and characterization of polyaniline nanocomposites with natural and synthetic surfactants and its application for lead (Pb) removal from aqueous solution”.
6. Undergraduate Research Experience Program (UREP), 13<sup>th</sup> cycle. July 2013 to June 2014. Analysis of pesticides by GC-MS: the determination of pesticide residues in foodstuffs. In this research, certain agriculture foods e.g. rice, strawberry and tomato were selected. Using Gas Chromatography Mass Spectrometry (GC-MS) equipment, the presence of pesticides was identified through matching the results with more than 100 known pesticides.
7. Undergraduate Research Experience Program (UREP), 12<sup>th</sup> cycle. June 2013 to August 2013. I had voluntarily participated in the project, which was related to the synthesis and characterization of Nanoparticles ( $\text{Ag}_2\text{O}$  and  $\text{TiO}_2$ ) and their applications on the removal of toxic heavy metals.
8. Undergraduate Research Experience Program (UREP), 11<sup>th</sup> cycle. September 2011 to March 2013. Analysis of Profenofos, and Cadusafos by GC-MS. In this research, we selected local vegetable (cucumber, tomato) from the market and identified the presence of these two pesticides (Profenofos, and Cadusafos) by GC--MS equipment.
9. Graduation research project entitled “Computational studies on 2, 3, 4-aminopyridines (APs)”, September 2011 to February 2012.

**Computer Skills:**

- Gaussian-09 (State-of-the-art capabilities for electronic structure modeling)
- HSC Chemistry (Designed for various kinds of chemical reactions and equilibrium calculations as well as process simulation).
- ArcGIS (A platform for designing and managing solutions through the application of geographic knowledge).
- Microsoft office 2010

**Languages Known:**

- Arabic (Moderate)
- English (Excellent)
- Bengali (Native)
- Hindi (Excellent)
- Urdu (Moderate)

**Awards:**

- First place in Essay Contest in Recognition of Earth Day 2015
- First place in Qatalum student competition- 2014; Title: Novel application of Aluminium to reduce Carbon footprint. (Certificate attached)
- First place in College of Arts & Sciences research day 2014 poster competition at Qatar University. (Certificate attached)

**Extra-Curricular activities:**

- Participated in Materials Science and Engineering Symposium Poster presentation; 2015, 2014
- Attend short training course of Mesoporous Materials at CAM, 2013.
- Attend Injaz Job Shadow event at Qatar SHELL QSTP at water lab, 2013.
- Participated in CAS Research day poster presentation, 2012, 2013.
- Attend several international conferences:
  - Offshore Middle East Conference, 2013
  - Qatar Sustainability Expo, 2012

**References:****Dr. Aboubakr M. Abdullah, Ph.D.**

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2014

# Annual Aluminium Symposium

# First Place Graduate Category

Is Hereby Presented To

*Abdullah AL Ashraf*

*Tom Petter Johansen*

**Tom Petter Johansen**  
Chief Executive Officer  
Qatalum (Qatar Aluminium Limited)

*Chris Devadas*

**Chris Devadas**  
Hydro Aluminium - QSTP  
VP Technology

For His/her Participation In The  
**Annual Aluminium Symposium Competition 2014**  
Under The Subject Of  
**Novel Application Of Aluminium To Reduce  
Global Carbon Footprint**



Aluminium Perfection

## شهادة تقدير

يسرّ كلية الآداب والعلوم أن تتقدّم بالتهنئة إلى طالب الماجستير

عبدالله الأشرف

تقديرًا لحصوله على المركز الأول في مسابقة ملصق البحث العلمي للعام الأكاديمي 2013 - 2014، راجية له مزيداً من النجاح و التفوق.



عميد كلية الآداب والعلوم  
دكتورة / إيمان محمد مصطفى

