

# AMEEN ARKANJI

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## EDUCATION

**Bachelor of Chemistry** June 2018

*University of Michigan, East Lansing, MI*

## RESEARCH EXPERIENCE

Spring/Summer 2018 **Undergraduate Research, Michigan State University**

Synthesis of POSS cages for various applications e.g. aerospace industry under the supervision of Professor of Chemistry and Chair at Michigan State University, Robert E. Maleczka, Jr

Summer 2017 **Undergraduate Research, King Abdullah University of Science and Technology**

Synthesis of a PNN-pincer nickel complex as a catalyst for selective hydrogen generation from formic acid under the supervision of Associate Professor Kuo-Wei Huang

Summer 2016 **Undergraduate Research, University of Texas, Austin**

Plotting energy graphs for molecular dynamics simulations of Butane with a biasing potential using Terminal and MATLAB, with the assistance of professor Ron Elber's Group in Computational Life Sciences and Biology department

## HONORS & AWARDS

Summer 2012 **Participant, Oxford Royale Academy, University of Oxford**

**Participant, Physics Olympiad, Jeddah, KSA** 2011 – March 2012

**Participant, Chemistry Olympiad, Jeddah, KSA** 2012 – March 2013

.Provided by the institute of MAWHIBA

**Participant, International Mendeleev Chemistry Olympiad, Tashkent, Uzbekistan** April 2013

Competed in the 47<sup>th</sup> International Mendeleev Chemistry Olympiad, a competition in chemistry organized by a number of the CIS (post-Soviet space) countries, Baltic States, and countries of Southeast Europe

Summer 2014 **Participant, John Hopkins, Baltimore, Maryland**

.Admitted into Johns Hopkins summer program

.Completed an organic chemistry course taught by leading Professor David Klein

**Recipient, KAUST Gifted Student Program Scholarship** August 2013 – Present

- Awarded full tuition and expenses scholarship through KGSP (KAUST Gifted Scholars Program).

## RELEVANT COURSEWORK

- Polymer and Polymerization Processes
- Advanced Organic Chemistry
- Calculus, Multivariable and Differential Equations
- Advanced Inorganic Chemistry
- Molecular Thermodynamics & Quantum Mechanics
- Organic Laboratory
- Analytical Laboratory & Spectroscopy

++Intro to Programming in C ●

## SKILLS

### :Laboratory skills

(Glass blowing for Anionic Polymerization via High Vacuum Techniques (HVTs) ●  
Crystallization/Recrystallization, Distillation, Separation & Extraction, Rotary Evaporation, ●  
.Normal Schlenk Techniques, Taking M.P. and B.P., and Acquiring NMR and IR Data

### :Software

.C++, Visual Basic, MATLAB ●

### :Graphics

Photoshop CS and Illustration Art ●

### :Language

.Arabic: Native, English: Fluent, Spanish: Basic, Turkish: Basic ●

### :Sports

.Volleyball ●