Bassil El-Zaatari

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Education

DOCTORATE OF PHILOSOPHY | *EXP* 2018 | UNIVERSITY OF DELAWARE

- Department: Chemical and Biomolecular Engineering
- Advisor: Professor Christopher Kloxin

BACHELORS OF SCIENCE | MAY 2013 | NORTH CAROLINA STATE UNIVERSITY

- Major: Chemical Engineering
- GPA 3.87/4.00 *suma cum laude*, Dean's List (all semesters)

BACHELORS OF ARTS | MAY 2013 | NORTH CAROLINA STATE UNIVERSITY

- Major: Chemistry
- GPA 3.87/4.00 *suma cum laude*, Dean's List (all semesters)

Experience

GRADUATE RESEARCH ASSISTANT | UNIVERSITY OF DELAWARE | JANUARY 2014 - PRESENT

- PhD research thesis with a focus on development of novel materials using copper(I) catalyzed azide-alkyne photopolymerizations for applications in dental materials

GRADUATE TEACHING ASSISTANT | UNIVERSITY OF DELAWARE | FEBRUARY 2015 – DECEMBER 2015

- Served as a teaching assistant for an undergraduate statistics based class "CHEG 304: Random Variability in Chemical Processes" under Professor Douglas Buttrey. Developed a design of experiment project and lab for the honors section.
- Served as a teaching assistant for an undergraduate fluid mechanics class "CHEG 341: Fluid Mechanics" under Professors Prasad Dhurjati and James Tilton. Developed a computational based ANSYS FLUENT project for the students.
- Was awarded the Robert L. Pigford Teaching Assistant Award for my work in both classes.

UNDERGRADUATE RESEARCH ASSISTANT | NORTH CAROLINA STATE UNIVERSITY | SEPTEMBER 2011-MAY 2013

- Developed novel nanocarrier (nanofiber) materials to be used in potential drug delivery applications

TUTOR | NORTH CAROLINA STATE UNIVERSITY | AUGUST 2012 – MAY 2013

- Tutored university athletes in fields including chemical engineering, chemistry, math, German and Arabic
- CRLA (Level 2) certified

UNDERGRADUATE TEACHING ASSISTANT | NORTH CAROLINA STATE UNIVERSITY | JANUARY 2011 – MAY 2011

- Served as a teaching assistant in organic chemistry for Professor Kay Sandberg.

Publications

(1) Shete A, **El-Zaatari B**, French J, Kloxin C. "Blue-light activated rapid polymerization for defect-free bulk Cu (I)-catalyzed azide–alkyne cycloaddition (CuAAC) crosslinked networks" Chem. Commun. 2016, 52, 10574–10577.

(2) **El-Zaatari B**, Shete A, Adzima B, Kloxin C. "Towards understanding the kinetic behaviour and limitations in copper(I) catalyzed azide-alkyne cycloaddition reactions." Phys Chem Chem Phys. 2016, 18, 25504 - 25511