

# PROFESSIONAL DEVELOPMENT GRANT (October 2015) FINAL REPORT

PROJECT: "Participation and presentation in the 251<sup>st</sup> ACS Spring 2016 National Meeting in San Diego  
(March 13-17, 2016)"

By: Dr. Mariusz P. Gajewski

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## **Purpose of the project:**

The purpose of this project was to participate and present at the 251<sup>st</sup> National ACS Meeting. The PI presented a poster depicting his research project at Arkansas Tech University titled "P(V) Dichlorotetraphenylporphyrin as a Photosensitizer of TiO<sub>2</sub> Based Solar Batteries" in the ACS Division of Energy and Fuels. This research was focused on identification of stable and efficient photosensitizers in the broad area of renewable energy.

## **Review of the professional enhancement opportunity:**

The PI conducts interdisciplinary research focusing on environmental aspect of chemistry (solar energy), photocatalyzed water decontamination and in neuroscience, and is in an early stage of developing collaborations. Presenting the newest research results at the ACS National Meeting was an excellent opportunity to not only represent ATU but to be recognized, network and brainstorm ideas with other specialists. Additionally, it provided a chance to participate in teaching workshops and presentations pertinent to the PI's professional development.

## **Summary of experiences:**

The PI had a great experience presenting his work at the national level meeting and obtained a lot of useful feedback. The PI also benefited from participation in many plenary and keynote lectures on a variety of chemistry topics offered at the meeting. Additionally, the undergraduate student (Freddys Rodriguez) who contributed to the project obtained co-authorship at this presentation, an important item in his career development.

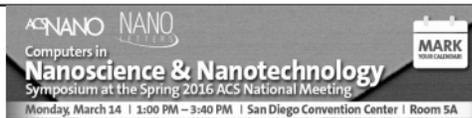
## Conclusion:

The PI is grateful for the financial support from ATU Professional Development Grant that enabled him to present his work at the ACS National Meeting. The PI's presentation schedule is shown below.

9/21/2016

EventPilot Web

### Session



Presentation

ENFL: Division of Energy and Fuels



#### ENFL 132: Diaxially substituted P(V) porphyrin as a new photosensitizer for TiO<sub>2</sub>-based solar cells

2:00pm - 4:00pm

Mon, Mar 14

Halls B/C - San Diego Convention Center

Mariusz Gajewski

Arkansas Tech University

Halls B/C - San Diego Convention Center

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Diaxially substituted P(V) porphyrin as a new photosensitizer for TiO<sub>2</sub>-based solar cells

Main Session