Professional Development Grant Report- 2015

Arkansas Tech University

Participation in the Spring 2015 National Meeting of the American Chemical Society

By

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Restatement of professional enhancement opportunity

Participation in the Spring 2015 National Meeting of the American Chemical Society provided a great opportunity for chemists to present their research as well as network with other chemical professionals. Professional development grant was obtained to facilitate my participation at the conference which took place in Denver - Colorado (22\textsuperscript{nd} – 26\textsuperscript{th} March, 2015). I gave an oral presentation and two of my research students gave poster presentations.

Review of the professional enhancement opportunity

The PI conducts research on the design, preparation, and characterization of coordination compounds as catalysts for the production of hydrogen. Presenting our recent and exciting results at the ACS Nation meeting was an excellent opportunity to meet and exchange ideas with other chemical professionals in the field.

Summary of experiences had

The students had a great experience presenting their work at the national level and obtained some useful feedbacks. The students and I also benefited from the many plenary and keynote lectures on a variety of chemistry topics offered at the meeting.

Conclusion

I am grateful for the financial support from ATU Professional Development Grant that enabled me to present our work at the ACS National Meeting. Meeting program is attached.
**MONDAY MORNING**

**Section A**

Shenandoah Denver Downtown Hotel

Gold

AOC Award for Achievement in Research for the Teaching and Learning of Chemistry: Symposium in Honor of Vickie M. Williamson Cooper Award Sponsored by WIC

Financed supported by Prentice Publishing

M. R. Abraham, Organizer, Presiding

3:30 Introductory Remarks.


4:30 Paper 1.56. Molecular visualizations through the lens of research and practice. R.M. Kelly.

9:35 Intro. 


**Section B**

Shenandoah Denver Downtown Hotel

Century

Experiments for Physical Chemistry Laboratory

Spectroscopy & Thermodynamics

A. Glassow, S.S. Humidity, R.M. Whipple, Organizers

J.J. Cheang, Presiding

8:30 Introductory Remarks.


9:30 Paper 2.41. Developing transfer teaching research on wastewater solids into effective classroom activities. A. Glimmer.


10:45 Paper 2.43. Activities in polymer optical physics for STEM education enrichment in the K-12 education arena. A. Zeigler, T. Brown, E.S. Merger.

11:05 Paper 2.44. Preparation and evaluation of antimicrobial films. E.D. Mathews.

**Section D**

Shenandoah Denver Downtown Hotel

Denver Undergraduate Research Fairs

Computational, Physical and Inorganic Chemistry

Co-sponsored by SOKED

J.V. Rupp, N.J. Riley, Organizers

C. V. Gauthier, Organizer, Presiding

8:30 Introductory Remarks.


9:05 Paper 3.22. Random substitution cyclization elimination reaction which can account for the mutagenicity of amines without the need of nitrogen ions. S. Srinivasan, J. Butrus, A.G. Leahy, A.S. Dutton