SWETHA CHINTHALA

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CAREER OBJECTIVE

Aiming to gain my first hand career experience which gives me scope to update knowledge and skills in accordance with latest trends and be a part of team that dynamically works towards the growth of my career and organization.

EDUCATION

Aug.2015 - 2017: Masters of Science in Chemistry, in progress
Texas A&M University, Commerce.

2009 - 2013: Bachelors in Pharmaceutical Sciences
Acharya Nagarjuna University, Andhra Pradesh, India.

PROFESSIONAL EXPERIENCE

Texas A&M University - Commerce

Instructor of Record - General Chemistry I Laboratory Jan 2017–May 2017

Responsible for the preparation and delivery of pre-laboratory lectures for one lab section, grading formal laboratory reports and troubleshooting undergraduate experiments to ensure students were taught appropriate laboratory techniques while upholding safety laboratory practices.

Graduate Assistant - Teaching – General Chemistry Laboratory I & II Aug 2015 – Dec 2016

Prepared laboratory supplies and delivered pre-laboratory lectures for multiple lab sections, grading formal laboratory reports and recording attendance. Monitored and assisted undergraduate lab experiments to ensure appropriate student laboratory techniques and safety practices.

INSTRUMENTATION SKILLS

- Expertise in Ion- mobility mass spectrometer, LC- MS, fluorescence and CD spectrophotometers, GC-MS, HPLC and Column /Ion-exchange chromatographic techniques.
- Knowledge of Biochemistry, Analytical and Pharmaceutical Sciences Laboratory techniques.

PUBLICATIONS

- "The multiple conformational charge states of zinc(II) coordination by 2His-2Cys oligopeptide investigated by ion mobility - mass spectrometry, density functional theory and theoretical collision cross sections" Journal of mass spectrometry, 2016,vol 51,issue 12,1120-1129.
- "Applying Ion Mobility – Mass Spectrometry Techniques for Explicitly Identifying the Products of Cu(II) Reactions of 2His-2Cys Motif Peptides" Anal. Chem, 2016, 88 (22), pp 10925–10932, PMID: 27740744.

PRESENTATIONS

- "Zinc (II) and copper (I/II) binding to alternative metal binding peptide using fluorescence and ion mobility mass spectrometry techniques" Swetha chinthala, Laurence Angel, ACS - Southwest regional meeting held at Galveston, Texas ,November 10-13, 2016.
- "Metal binding study of alternative metal binding peptide (amb_5) using fluorescence and ion mobility - mass spectrometry techniques" Swetha chinthala, Manogna Deeconda, Laurence Angel, sec: Life sciences, Texas A&M University System 13th Annual Pathways Student Research Symposium, Prairie view A&M University, Prairie view, Texas on November 3-4, 2016.