



Curriculum Vita Spring 2014

Instructor: Kritanjali Dhungana, Adjunct Faculty
Academic Department: Chemistry

University Address: Chemistry Department
Science bldg..
Texas A&M University-Commerce
PO Box 3011
Commerce, TX 75429-3011

Office Phone:

University Email Address:

EDUCATION

Masters of Science in Chemistry
Texas A&M University-Commerce, Commerce, TX, August 2013

Bachelors of Science in Chemistry (Minor in Mathematics)
Texas A&M University-Commerce, Commerce, TX, August 2010

TEACHING EXPERIENCE

- I. Fall 2012- Spring 2013
Instructor & Graduate Teaching Assistant
Texas A&M University-Commerce, Commerce, TX
 - Instruct CHEM 211L & 212L (Organic chemistry I and II)
 - Instructing teaching assistant.
 - Preparing course material
 - Conducting experiments
 - Teaching students various techniques in Organic Chemistry.
 - Characterization of various molecules by NMR, IR and UV spectroscopy.

- II. Fall 2011- Spring 2013
Graduate Teaching Assistant
Texas A&M University-Commerce, Commerce, TX
 - Instruct Chem 211L & 212L (Organic chemistry I and II)

- Preparing course material
- Conducting experiments
- Teaching students various techniques in Organic Chemistry.
- Characterization of various molecules by NMR, IR and UV spectroscopy.

III. Summer 2011

REU Student Mentor

Department of Chemistry, Texas A&M-Commerce, Commerce, TX

- Training REU student on conducting experiments.
- Separation using Thin layer Chromatography and column chromatography.
- Characterization of various molecules using NMR, IR, HPLC.

IV. August 2009- May, 2012

CCLI Student Mentor

Texas A&M University-Commerce, Grant by NSF

Guiding Two year college students with experiments conducted at A&M-Commerce involving techniques used in organic chemistry. Guiding students with hands on experience with characterization by using UV spectroscopy, NMR spectroscopy, IR spectroscopy, Polarimeter, and HPLC

PUBLICATIONS

- *Highly enantioselective and recyclable organocatalytic Michael addition of malonates to α,β -unsaturated aldehydes in aqueous media.*
Subrata K. Ghosh, **Kritanjali Dhungana**, Allan D. Headley* and Bukuo Ni* Org. Biomol. Chem., 2012, 10, 8322
- *Ionic Liquid-Supported (ILS) (S)-Pyrrolidine Sulfonamide for Asymmetric Michael Addition Reactions of Aldehydes with Nitroolefins,*
Emmy M. Omar, **Kritanjali Dhungana**, Allan D. Headley*, and Mohd Basyaruddin Abdul Rahman, Letters in Organic Chemistry, 2011, Vol. 8, No. 3.
- *Ionic Liquid-Supported (ILS) (S)-Pyrrolidine Sulfonamide, a Recyclable Organocatalyst for the Highly Enantioselective Michael Addition to Nitroolefins* Bukuo Ni*, Qianying Zhang, **Kritanjali Dhungana**, and Allan, D. Headley* Org. Lett.2009, 11, 1037

RESEARCH GRANTS AND AWARDS

- 2011 Pathways Student Research Symposium, Distinguished Poster Presentation Texas A&M University, College Station.
- 2011-2013, Graduate Assistantship Teaching
- Summer 2011, Robert A Welch Foundation Scholarship
- 2010-2011, Graduate Assistantship Research
- 2010-2011, Cash 4 College-Continue pride scholarship
- 2010 -2011, Charles S. Rohrer Chemistry Endowment Scholarship
- 2009-2011, Jai & Susan Nagarkatti fellowship
- 2009-2010, Denis Quane Memorial Endowment Scholarship
- 2008-2009, Robert A Welch Foundation Scholarship
- Fall 2008 , President list, Texas A&M-Commerce, Commerce, TX