

CURRICULUM VITAE

NAME and Academic Rank: DONOVAN A. DIXON, Lecturer

EDUCATION:

Ph.D. Chemistry: Inorganic Reaction Mechanisms, Thesis Title: "*Studies of the Reactivity of the Chromium(VI) ion with Biological Substrates.*" University of the West Indies, Mona, Kingston 7, Jamaica (1992).

B.Sc. (Special Chemistry; Honors) University of the West Indies, Mona, Kingston 7, Jamaica (1987).

ACADEMIC AND EMPLOYMENT HISTORY:

2015 -	Associate Lecturer, University of Central Florida
2008 - 2015	Lecturer, University of Central Florida
2006 - 2008	Visiting Lecturer, University of Central Florida
2004 - 2006	Adjunct Chemistry Professor, Valencia Community College, West Campus; Orlando, FL; USA.
1996-2003	Lecturer, University of the West Indies, Mona, Jamaica.
1998 (Summer)	Research Associate, University of Minnesota, MN, USA.
1994-1996	Research Associate, University of Notre Dame, IN, USA.
1994 (Summer)	Visiting Scholar, Birkbeck College, University of London, England.
1992- 1996	Assistant Lecturer, University of the West Indies, Mona, Jamaica.
1991-1992	Teaching Assistant, University of the West Indies, Mona, Jamaica.
1987 - 1991	Laboratory Instructor, University of the West Indies, Mona, Jamaica.

NON-ACADEMIC EXPERIENCE:

2003 - 2007 Consultant Chemist, Images, West Palm Beach, FL, USA.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

- Member of American Chemical Society (ACS) 1992 - present
- Past Member of the Royal Society of Chemistry (RSC); United Kingdom

SERVICE ACTIVITIES

- University of Central Florida:

Chemistry Curriculum Alignment Committee/Working Group involving UCF and Partner Community/State Colleges in Central Florida (2007 - current).

Chemistry Departmental Committees (Freshman Chemistry; Organic Chemistry)

Student Disability Services (SDS) Faculty Advisory Board (Spring 2014 - present).

Faculty mentor/sponsor (to Zachary Loeb) a participant/3rd place award winner in the UCF Showcase of Undergraduate Research Excellence, 2016.

Title: The impact of endocrine disrupting compounds found in waste water effluent on the embryonic development of *Oryzias latipes* (Medaka fish)

- Community Service:

Event Assistant; Florida Science Olympiad State Competition; March 23, 2013; University of Central Florida.

Event Assistant; National Science Olympiad; May 16, 2014; University of Central Florida.

- Review of Educational Material:

'Stepwise' Animations for the General Chemistry Classroom; W.W. Norton & Company, New York, NY.

Online LearnSmart Prep for Chemistry; McGraw-Hill Higher Education, Dubuque, IA.

Learning System, ConnectPlus with ChemDraw; McGraw-Hill Higher Education, Dubuque, IA.

Revision Plan for Organic Chemistry, 2nd edn, David Klein; John Wiley & Sons, Hoboken, NJ.

Draft Manuscript for Chemistry: The Molecular Nature of Matter, 7th edn; Neil D. Jespersen et. al; John Wiley & Sons, Hoboken, NJ.

Dynamic Study Modules within Mastering Chemistry – for use with both Bruice and Wade, Organic Chemistry texts; Pearson; Upper Saddle River, NJ

MindTap for General Chemistry; Cengage Learning; San Francisco, CA

SELECTED JOURNAL ARTICLES

Dwight C. Ramdon, Donovan A. Dixon, Tara P. Dasgupta; Kinetics and Mechanisms of the Reduction of Chromium(VI) by 2-Mercaptoethanesulfonic Acid in Aqueous Solution: Difference in the Mechanistic Process of Reduction with Noncarboxylate Thiols; BioInorganic Reaction Mechanisms, 5 (2003) 47- 58

Dwight C. Ramdon, Donovan A. Dixon, Tara P. Dasgupta; Mechanism of reduction of chromium(VI) ion by 2-mercaptosuccinic acid in aqueous solution; Inorganica Chimica Acta. 331 (2002) 178–187.

Donovan A. Dixon, Maoyu Shang, A. Graham Lappin; Effects of electronic structure on chiral induction in outer-sphere electron transfer reactions of complexes with the C_3 symmetric ligand, 1,4,7-triazacyclononane-1,4,7-tris[2'(R)-2'-propionate](-3); *Inorganica Chimica Acta*. 290 (1999) 197-206.

NON- REFEREED BOOK PUBLICATIONS

Supplement for Chemistry Fundamentals II, Donovan Dixon, published by Kendall Hunt Publishing Co. Dubuque, IA (2010) ISBN 978-0-7575-6587-8; (*revised printing*, 2012) ISBN 978-0-7575-9692-6.

Laboratory Manual For Chemistry Fundamentals II, Donovan Dixon and Bluedoor, LLC, Eden Prairie, MN (2011) ISBN 978-1-59984-405-3; and (2012) ISBN 978-1-59984-461-9.

REFEREED BOOK PUBLICATIONS:

Test Bank to accompany CHEMISTRY, The Molecular Nature of Matter, 6th Edn., by N. D. Jespersen, J.E. Brady, and A. Hyslop; Donovan Dixon; Justin Meyer; John Wiley and Sons, (2012)

WORKSHOPS ATTENDED:

The Real Disability Barriers; University of Central Florida; May, 2014

Chemical Education: Supporting Student Laboratory Learning; University of Illinois at Chicago, June, 2008.

Visualizing the Future of Chemistry Education; Fullerton, California, November, 2007

Activate Learning: New Strategies for Chemistry Education Today, February 2016; Tampa, FL