

CURRICULUM VITAE

WILLARD SCOTT KEERAN

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Education:

Graduate: University of Florida, Ph. D. in Mathematics, 2007; Ph. D. thesis advisor: *Professor S. Pilyugin*

Graduate: University of Florida, M.S. in Mathematics, 2004;

Undergraduate: University of Georgia, B.S. in Chemistry, summa cum laude, First Honor Graduate, 1981

Professional experience:

July 2019– Present: Senior Lecturer, University of Florida

January 2014–June 2019: Lecturer, University of Florida

May 2007–December 2013: Adjunct Lecturer, University of Florida

August 2002–May 2007: Teaching Assistant, University of Florida

February 1999–August 2002: Self-Employed. Science and Mathematics Tutor

August 1987–February 1999: Project Lab Scientist, QST Environmental

September 1981–August 1987: Research Assistant/Research Coordinator, Skidaway Institute of Oceanography

Professional awards and distinctions:

- Faculty Honoree, Convocation 2011, University of Florida
- Faculty Honoree, Convocation 2009, University of Florida
- Faculty Honoree, Convocation 2008, University of Florida
- Certificate of Merit for Outstanding Teaching, University of Florida, Department of Mathematics 2004

Publications (in reverse chronological order):

1. D. Chamberlain, A. Grady, S. Keeran, K. Knudson, I. Manly, M. Shabazz, C. Stone A. York (2021) *Transitioning to an Active Learning Environment for Calculus at the University of Florida*, PRIMUS, 31:3-5, 517-531, DOI: 10.1080/10511970.2020.1769235.
2. P. De Leenheer, W. S. Keeran, and S. S. Pilyugin (2008), *Feedback-mediated coexistence and oscillations in the chemostat*, Discrete and Continuous Dynamical Systems - B **9** (2), pp. 321-351.

3. P. De Leenheer, W. S. Keeran, and S. S. Pilyugin (2007), *Circular and elliptic orbits in a feedback-mediated chemostat*, Discrete and Continuous Dynamical Systems - B **7** (4), pp. 779-792.
4. P. H. Chen, W. S. Keeran, W. A. Van Ausdale, D. R. Schindler, and D. F. Roberts (1993), *Application of Lee retention indices to the confirmation of tentatively identified compounds from the GC/MS analysis of environmental samples*, Published in the Proceedings of the 9th Annual Waste Testing and Quality Assurance Symposium.
5. P. H. Chen, W. A. Van Ausdale, W. S. Keeran, and D. F. Roberts (1991), *GCMS identification of artifacts found during sample preparation using USEPA methods 625 and 8270*, Chemosphere **26**, pp. 1743 - 1749.
6. R. F. Lee, W. S. Keeran, and G. V. Pickwell (1988), *Marine invertebrate glutathione s-transferases: purification, characterization and induction*, Marine Environmental Research **24** (1-4), pp. 97-100.
7. W. S. Keeran and R. F. Lee (1987), *The purification and characterization of glutathione s-transferase from the hepatopancreas of the blue crab, Calinectes sapidus*, Archives of Biochemistry and Biophysics **255**, pp. 233-243.
8. N. M. Targett and W. S. Keeran(1984), *A terpenhydroquinone from the marine ascidian, Aplidium constellatum*, Journal of Natural Product Chemistry **47**, p. 556.

Teaching experience:

Course coordinator:

MAC 2233: Spring 2010, Fall 2010, Spring 2013

MAS 3114: Fall 2012, Spring 2013

MAC 2313: Fall 2013 - Spring 2017, Spring 2020

MAC 2311: Fall 2017 - Fall 2019

Online course development:

MAC 2313

Lecturer and/or stand alone course:

MFG 1107, MAC 2233, MAC 2311 (standard and flipped), MAC 2312, MAC 2313,
MAP 2302, MAS 3114, MAS 4105