

# RESEARCH @ FSW

Research @ FSW has been created to update Florida SouthWestern faculty and staff on exciting new developments in faculty research, creative expressions, research publications, and other highlights. This quarterly publication is the primary tool for faculty to share research successes with colleagues. If you have items for a future newsletter, contact Jennifer Young, Public Relations and Marketing Associate for Academic Affairs, at [Jennifer.Young@fsw.edu](mailto:Jennifer.Young@fsw.edu) or x-11101 (Thomas Edison Campus).

## Faculty Research Profile

**Dr. Thep Ayudhya, professor, Chemistry**

### Project - Using Organic Boron Compounds as Pharmaceutical Drugs

I began researching boron compounds as an alternative energy source during my first year at FSW. I then began researching its use in pharmaceutical drugs in 2013 in collaboration with Dr. Nin Dingra.



Boron is an interesting element because it is not a metal or a nonmetal, and it doesn't always follow the trend of what we expect to see. It is similar to carbon in terms of bonding, but it has distinct properties. Through my research, I hope to prepare organic boron compounds that can be used as a drug delivery system to defeat various diseases.

We have been able to accomplish what others will refer to as impossible in the state colleges because of the continuous support from President Allbritten. We have successfully filed a patent for our project, and it is now patent-pending. We have recently published a research paper in Dalton Transactions, a journal that mostly accepts and publishes articles from research institutions.

Research is not an easy task, but I like challenges that will keep my brain sharp. I hope to set an example for other faculty who are interested in doing their professional development in research that we can achieve what we want to accomplish regardless of the place, facility, or any other obstacles that we may encounter if we set our mind to it.

## Provost/VPAA Corner

I want to thank everyone who has provided input to the Research Ad-Hoc committee. I am looking forward to receiving the recommendations from the committee this spring. We are excited to announce that we will continue with the ARC Grants for the 2017 – 2018 academic year and will ask faculty submit proposals during the spring 2017 semester for projects to begin in either summer or fall 2017. Also, we plan to continue with the ARC Grant presentations during the professional development days in the fall.



Dr. Jeff Stewart  
Provost/VPAA

Congratulations to the following faculty who were awarded the most recent ARC grants!

### Faculty Member and Project Title

**Dr. Thep Ayudhya, professor, Chemistry** - Improving Analytical Method in Forensic Science

**Cindy Campbell, faculty librarian**, - Bringing Library Resources to Life for Students

**Ronald Feemster, professor, Mass Communication and Journalism** - Leg Man: A Novel

**Dr. Gabriel Gaidos, professor, Biochemistry** - Toxicity Evaluation of Food Additives

**Dr. Elijah Pritchett, professor, Humanities** - Rotten, Vicious and Damned: Punk's Subjectivity of Resistance

## Faculty News

**Marty Ambrose**, professor, English and Humanities, recently authored the book: Ambrose, Marty. *Coastal Corpse: A Mango Bay Mystery*. New York: Five Star Cengage, 2016.

**Dr. Thep Ayudhya**, professor, Chemistry, and **Dr. Nin Dingra**, director, Faculty and Student Research, co-authored this journal article: Ayudhya, T. I., Raymond, C. C., & Dingra, N. N. (2017). Hexamethylenetetramine carboxyborane: synthesis, structural characterization and CO releasing properties. *Dalton Transaction*, 46, 882-889.

**Timothy Hsiao**, adjunct professor, Ethics, authored this article: Hsiao, T. and Bernstein, C. (2016). Against Moderate Gun Control. *Libertarian Papers*, 8(2), 308-325.

**Ernesto Lasso de la Vega**, adjunct professor, School of Pure and Applied Sciences, co-authored this journal article: Lasso de la Vega, E. and Ryan, J. 2016. Analysis of nutrients and chlorophyll relative to the 2008 fertilizer ordinance in Lee County, Florida. *Florida Scientist* 79(2-3):125-131.

**Dr. Qin Liu**, professor, Chemistry, co-authored this journal article: Getun IV, Wu Z, Fallahi M, Ouizem S, Liu Q, Li W, Costi R, Roush WR, Cleveland JL, Bois PRJ. 2017. Functional roles of acetylated histone marks at mouse meiotic recombination hot spots. *Mol Cell Biol* 37:e00942-15. <https://doi.org/10.1128/MCB.00942-15>.

**Anjali Misra**, professor, Biology, was chosen as a National Science Foundation Promoting Active Learning & Mentoring (PALM) network fellow.

**Natala Orobello**, professor, English, recently wrote and presented an article at the Hawaii University International Conference: Orobello, Natala. "Emily Dickinson and Her Men." Hawaii University International Conferences, 2017.

**Dr. Scott Ortolano**, professor, English, authored a chapter in this recent book: Ortolano, Scott. "The Enemy Within: Max Brooks' *World War Z* and the Terror of Living Death." *Terror in Global Narrative: The Aesthetics and Representation of 9/11 in the Age of Late-Late Capitalism*, edited by George Fragopoulos and Liliana M. Naydan, Palgrave Macmillan, 2016, pp. 19-36.

**Dr. Elizabeth Schott**, professor, Mathematics, wrote and presented a conference paper and co-edited a journal: Schott, E., & Orndoff, C. (2016). A Unique Application of a Distribution and Inventory Problem with Set-Up Costs Model. In S. Long, E.-H. Ng, C. Downing, & Nepal, B (Ed.), *Proceedings of the American Society for Engineering Management 2016 International Annual Conference*.

Doolen, T., Van Aken, E., Long, S. and Schott, E. Editors. Special Issue of Military Applications in Engineering Management. (2016, June). *Engineering Management Journal*, 28(Number 2).

**Dr. Joseph van Gaalen**, adjunct professor, Geology, co-authored this journal article: van Gaalen, J.F.; Tebbens, S.F., and Barton, C.C., 2016. Longshore sediment transport directions and rates from northern Maine to Tampa Bay, Florida: Literature compilation and interpretation. *Journal of Coastal Research*, 32(6), 1277-1301.