

College of Science Board of Trustees Report

January 7 - February 23, 2015

Students

UAH College of Science Student Wins Award

Atmospheric Science Ph.D. student, **Retha Mecikalski**, was awarded Best Student Oral and Poster presentation from the 7th Annual Conference on the Meteorological Applications of Lightning Data at the American Meteorological Society conference in Phoenix, Arizona.

UAH College of Science Student Wins Thesis Competition

Graduate of the Earth System Science Master's degree program, **Eric Anderson**, was selected as the recipient of the Conference of Southern Graduate Schools Thesis Award in the category of Digital Scholarship for his thesis "*Analysis of rainfall-triggered landslide hazards through the dynamic integration of remotely sensed, modeled and in situ environmental factors in El Salvador.*"

Faculty

UAH College of Science Associate Professor Advances

Atmospheric Science Associate Professor **Dr. John Mecikalski**'s weather nowcasting company, NextStorm, Inc., has advanced to the second round of the Alabama Launchpad competition.

UAH College of Science Professor Receives \$4M Grant

Atmospheric Science Professor **Dr. Mike Newchurch** and his group have been awarded a \$4M (\$1.4M UAH share), 3-year grant from NASA to make measurements and perform scientific analyses on their recently formed national network of five tropospheric-ozone lidars called TOLNet (Tropospheric Ozone Lidar Network).

UAH College of Science Professor is Honored

Associate Professor of Physics **Dr. Lingze Duan** was recently promoted to Senior Member of IEEE. IEEE Senior Membership is honor bestowed only to those who have made significant contributions to the profession. It is the highest grade for which IEEE members can apply.

UAH College of Science Professor Receives Funding

Chemistry Professor **Dr. Bernhard Vogler** received a \$170,000 Research Infrastructure Fund for HPLC-MS-MS with orbitrap for high resolution.

UAH College of Science Professor Recognized

Chemistry Professor and Interim Department Chair **Dr. Carmen Scholz** was recognized for 20 years of service to the POLY division of the American Chemical Society.

UAH College of Science Professor Appointed

Chemistry Professor **Dr. James Baird** was appointed a 2-year term of service on the American Physical Society's Committee on Investments.

Outreach

UAH College of Science Professor and Students Presented Workshop

Chemistry Professor and Director of the Alabama Space Grant Consortium **Dr. John Gregory**, the Alabama Space Grant staff, and the UAH Student Hardware Club supported NASA MSFC at the NASA BalloonSat Workshop at the Alabama Space and Rocket Center in Huntsville. There were 87 student and faculty attendees from 10 Community Colleges within a 5-state region, including those from Drake State, Gadsden State, Faulkner State, Bishop State, all AL, and Hopkinsville CC, KY.

Internal Awards

UAH College of Science Assistant Professor Receives Award

Assistant Professor **Dr. Anusree Mukjerjee** received a new faculty award to conduct research on Bio-Inspired Nickel Complexes to Protect Cell-Damages under Oxidative Stress.

UAH College of Science Associate Professor Wins Grant

Chemistry Associate Professor **Dr. Robert McFeeters** receive a UAB/UAH collaborative grant for joint work with Dr. Will Placzek of the Department of Biochemistry and Molecular Genetics.

UAH College of Science Associate Professor Honored

Chemistry Associate Professor **Dr. Emanuel Waddell** received the Dr. Adriel D. Johnson, Sr Power of One award from the UAH Minority Graduate Association.

College of Science Publications

“Chemotyping and determination of antimicrobial, insecticidal, and cytotoxic properties of wild-grown *Cannabis sativa* from Nepal.” Prabodh Satyal and **William N. Setzer**. *Journal of Medicinally Active Plants*, **2014**, 3(1), 9-16.

“Chemistry and leishmanicidal activity of the essential oil from *Artemisia absinthium* from Cuba.” Lianet Monzote, Abel Piñón, Ramón Scull, and **William N. Setzer**. *Natural Product Communications*, **2014**, 9(12), 1799-1804.

“Chemical composition of the essential oil from the aerial parts of *Chrysanthemum cinerariifolium* growing in Nepal.” Samon Shrestha, Prabodh Satyal, Gajendra Pandit, and **William N. Setzer**. *American Journal of Essential Oils and Natural Products*, **2014**, 2(2), 1-3.

“Composition of geranium (*Pelargonium graveolens*) essential oil from Tajikistan.” Farukh S. Sharopov, Hanjing Zhang, and **William N. Setzer**. *American Journal of Essential Oils and Natural Products*, **2014**, 2(2), 13-16.

“Essential oil compositions of *Juniperus virginiana* and *Pinus virginiana*, two important trees in Cherokee traditional medicine.” Chelsey D. Stewart, Chelsea D. Jones, and **William N. Setzer**. *American Journal of Essential Oils and Natural Products*, **2014**, 2(2), 17-24.

“Radical scavenging and antioxidant activities of essential oil components – An experimental and computational investigation.” Farukh S. Sharopov, Michael Wink, and **William N. Setzer**. *Natural Product Communications*, **2015**, 10(1), 153-156.

“Volatile constituents from the leaves, fruits (berries), stems and roots of *Solanum xanthocarpum* from Nepal.” Prabodh Satyal, Samjhana Maharjan, and **William N. Setzer**. *Natural Product Communications*, **2015**, 10(2), 361-364.

“Aromatic medicinal plants from Tajikistan (Central Asia).” Farukh S. Sharopov, Hanjing Zhang, Michael Wink, and **William N. Setzer**. *Medicines*, **2015**, 2, 28-46.

Current Methods for Analysis of Enzymatic Peptidyl-tRNA Hydrolysis, **H. McFeeters, R. L. McFeeters**, *Journal of Analytical and Bioanalytical Techniques*, in press