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CoSM Faculty Spotlight Medina-Bolivar Gains Sixth Patent

Dr. Fabricio Medina-Bolivar,

professor of plant metabolic engineering, has obtained a U.S. patent on "Stilbenoid Prenyltransferases from Plants." This is the sixth patent Medina-Bolivar has secured for his research on healthrelated compounds from plants. The invention describes a procedure to produce prenylated stilbenoids using genetic engineering strategies. These compounds have applications as anticancer, antioxidant and antiinflammatory agents. Co-inventors are former Ph.D. student Tianhong Yang and Dr. Keithanne Mockaitis of Indiana.

CoSM Faculty Spotlight Boves Identifies Rare Warbler Subspecies

Research by **Dr. Than J. Boves,** associate professor of avian ecology, and **Alex Worm**, a Ph.D. student, has been <u>published in *Ornithology*</u>. While studying black-throated green warblers, they collected blood from populations of the bird in multiple states to sequence their DNA; they found the south Atlantic coastal population is genetically unique. The Center for Biological Diversity will petition for this subspecies to be listed under the Endangered Species Act.





Zhou is Co-Author of Cell Function Research

A research article co-authored by **Dr. Guolei (Jason) Zhou**, professor of cell biology, has been published in the international journal *Cellular Signalling*. Through collaborations with **Dr. Jianfeng Xu**, research professor in agriculture, and **Dr. Jennifer Y. Xie**, NYITCOM, their <u>study</u> unravels molecular mechanisms underlying the fundamental cell function of CAP1, which also is involved in the invasiveness of human cancers. Seven undergraduate and graduate students are co-authors, including the lead authors.

CoSM Faculty Spotlight Alam Named First Beck Professor in Chemistry

Alumni Charlotte and Buddy Beck have endowed two new professorships at A-State, the university announced recently. Dr. Mohammad Abrar Alam, associate professor of chemistry, was named as the inaugural recipient of the <u>Beck Professorship in Chemistry</u>. The focus of Alam's research group is the development of new antibiotics to treat drug-resistant bacterial infections. He joined A-State's faculty in 2015.





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