SDSU Guest Lecture

Wastewater Treatment in Brazil: Current Scenario, Challenges and Perspectives
Dr. César Rossas Mota Filho, Universidade Federal de Minas Gerais, Brazil

Thursday, 12/6, 1:00pm
SDSU Bio-Science Gold Auditorium

Abstract. Dr. Mota will discuss the current scenario for wastewater treatment in Brazil, with highlights from research efforts in the Sanitary and Environmental Engineering Department (DESA) of the Federal University of Minas Gerais (UFMG). UFMG is among the two largest federal universities in Brazil, and DESA-UFMG is nationally and internationally recognized as a leader in the area of sanitation and wastewater treatment. To assist in the development of research in this area, DESA-UFMG has established scientific cooperation agreements with the Minas Gerais Sanitation Company (COPASA) and the Water and Sewerage Authority of Itabira, which has enabled them to carry out research at two experimental field stations (see image below). In the area of sewage treatment, DESA-UFMG has also participated in numerous national research projects with agencies such as PROSAB, CT-HIDRO, FUNASA, INCT, and has developed international cooperations with the University of Newcastle and British sanitation authorities.

Biography. Dr. Mota is a Professor in the Department of Sanitary and Environmental Engineering at the Federal University of Minas Gerais (UFMG), Brazil. He has a PhD in Civil and Environmental Engineering from North Carolina State University (USA, 2006), an MSc degree in Civil and Environmental Engineering from the University of Nevada (USA, 2001) and a Bachelor’s in Civil Engineering from the Federal University of Ceará (Brazil, 1998). He coordinates projects funded by Brazilian research councils and is Deputy Head of the National Institute of Science and Technology on Sustainable Sewage Treatment Plants. His research interests are in the area of water quality engineering, with emphasis on biotechnology for water and wastewater treatment, sustainable, low-cost water/wastewater treatment processes and valorization of wastes. Before joining UFMG’s faculty, Dr. Mota was Assistant Professor at Newcastle University (United Kingdom) in the School of Civil Engineering and Geosciences (2007 to 2012), where he coordinated research projects funded by the Royal Society and the European Commission.

Collaboration with SDSU. Dr. Mota collaborates with SDSU for an International Research Experiences for Students (IRES) project funded by NSF, which will provide 15 SDSU students with an opportunity to complete six-week summer research projects on water and sustainability in Brazil. Applications for Summer 2019 are due on January 10, 2019. More information at https://brazil.sdsu.edu/funding.html.