
BIOGRAPHICAL SKETCH

NAME Subramania Sritharan		POSITION TITLE Professor	
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Ceylon, Sri Lanka	B.S.	1971	Civil Engineering
Colorado State University, Fort Collins, CO	M.S.	1981	Hydraulics
Colorado State University, Fort Collins, CO	Ph.D.	1984	Hydraulics

A. Positions and Honors

Positions and Employment

- 1972 **Instructor.** University of Ceylon, Peradeniya, Sri Lanka.
- 1973 – 1978 **Civil Engineer.** Irrigation Department, Sri Lanka.
- 1978 – 1984 **Research Assistant.** Department of Civil Engineering, Colorado State University, Fort Collins, CO.
- 1984 – 1985 **Research Engineer (Post-doctoral).** Department of Civil Engineering, Colorado State University, Fort Collins, CO.
- 1985 – 1988 **Assistant Professor.** Department of Civil Engineering, Colorado State University, Fort Collins, CO.
- 1989 – 1992 **Assistant Professor.** Central State University, Wilberforce, OH.
- 1992 – 1996 **Associate Professor.** Central State University, Wilberforce, OH.
- 1996 – 1997 **Professor.** Department of Water Resources Management, Central State University, Wilberforce, OH.
- 1997 – present **Professor and Chair.** Department of Water Resources Management, Central State University, Wilberforce, OH.

Professional Memberships

Professional Engineer, licensed by the State of Ohio

American Society of Civil Engineers

B. Selected peer-reviewed publications (in chronological order).

1. "On the Sizing of Terminal Areas in Surface Irrigation Projects: II. Engineering Economic Analysis ", S. Sritharan, W. Clyma and E. V. Richardson. Journal of Water Resources Planning and Management, Vol. 114, NO 1, Jan 1988.
2. "On-Farm Application System Design and Project Scale Water Management ", S. Sritharan, W. Clyma and E. V. Richardson. Journal of Irrigation and Drainage Engineering, ASCE, Vol. 114, No. 4, November 1988.
3. "On the Sizing of Terminal Areas in Surface Irrigation Projects: I. Probabilistic Systems Analysis", S. Sritharan, W. Clyma and E. V. Richardson. Journal of Water Resources Planning and Management, Vol. 114, NO 1, Jan 1988.
4. "Effects of Uncertainties on the Limits of On-Farm Improvements in Irrigation Rehabilitation", S. I. Sritharan and W. Clyma , Journal of Water Resources Research, Vol.28, No.10, pp. -2559-2567, October, 1992.
5. Discussion paper on "Transient Hydraulic Model for Simulating Canal-Network Operation", S. Sritharan and W. Clyma to Journal of Drainage Engineering, ASCE, Volume 118, May/June 1992.
6. "Equivalent Kostiakov Parameters for SCS Infiltration Families", S. Sritharan, Journal of Irrigation and Drainage Engineering, ASCE, Vol. 118, No. 1, February, 1992.
7. *Time Integrated Radiative Transfer Parameters for the Simple Biosphere (SiB) Model*, Final Report S. I. Sritharan, Visiting Scientist, Biospheric Sciences Division, Code 923, Goddard Space Flight Center, Greenbelt, Maryland, August 1995.
8. "Effect of Recharge Duration on Water Table Response in Tile Drain Systems", S. I. Sritharan and H. R. Gee, Journal of Irrigation and Drainage Engineering, ASCE, Vol. 122, No.4, 1996.
9. "Dewatering, Remediation, and Evaluation of Dredged Sediments", A.P Schwab, M.K. Banks, K.V. Nedunuri, S.I. Sritharan, K.W. Euliss, and V.S. Mankad, Paper presented at Mid-west Hazardous Substance Research Center Kick-off meeting, May 14-15, 2002, US EPA Purdue University, West Lafayette, IN 47906.
10. "Use of Remote Sensing in Determining Components in Total Maximum Daily Pollutant Load (TMDL) assessments – A Case Study in Upper Little Miami River" by S. I. Sritharan., K. Nedunuri, M. Smart and D. Watts. Presentation made at the Satellite Imagery for Water Management Workshop, La Posada De Albuquerque, November13-14, 2003
11. "Correlation of land use with nutrient loading in the Upper Little Miami River Watershed using remote sensing," K.V. Nedunuri, Subramania I. Sritharan, M. Smart, D.R. Watts, 2004 Annual Scientific Symposium and 20th Anniversary, Ohio River basin consortium for research and education, Walter Hall, Ohio University, Athens, Ohio, August 18-20, 2004.

12. "A General Purpose Rock and Mineral Hyperspectral Reflectance Library for Earth Science Education and Research (350 to 2500 nanometers)", Geological Society of America, North Central Section, Minneapolis, May, 2005, accepted; Kito, Youkoy, Izeh, B., Okunade, S.A., Beck, R.A., Laki, S.L., Nedunuri, K.V., and Sritharan, S.I.
13. "Estimating Evapotranspiration at The Palo Verde Irrigation District (California) From Statistical Models Using Remotely Sensed And Meteorological Data", Sumantra Chatterjee, Doyle Watts, Subramania Sritharan, Thaddeus Tarpey, East Lakes Division of the Association of American Geographers (ELDAAG) Conference , University of Toledo, October 21, 2006.
14. "Multi-Faced Approaches For STEM Education Quality Improvement" S. I. Sritharan, C. Lowell. M. Abdallah, R. Marcus and Gerald T. Noel, Poster Presentation at the HBCU-UP National Research Conference, AAAS, Grand Hyatt Hotel, Washington D.C, October 4-7, 2007.
15. "Mapping the Invasive Salt cedar Plant Species (*Tamarix ramosissima*) using Spectral Reflectance and Remote Sensing", B. B. Maruthi Sridhar, Robert K. Vincent, Pete Clapham, David Eckhardt, Christopher Neale, John Osterberg, Doyle Watts and Subramania Sritharan. Paper presented at the American Society for Photogrammetry and Remote Sensing (ASPRS), 2008 Annual Conference, April 28 to May 2, 2008, in Portland, Oregon

C. Research Support

Center for Allaying Health Disparities through Research and Education. Research Infrastructure in Minority Institutions, National Center on Minority Health and Health Disparities, National Institutes of Health. 2008. As the area principal for the Geospatial Data Base Center (GDBC) in the CARDE project, Dr. Sritharan coordinates the activities of faculty members of the department engaged in the establishment and in the proposed operations of GDBC with internal and external units of the Institution. He will be primarily responsible for seeking and arranging resources for the GDBC and providing directions for linkages, curricular expansion, research and community service components of GDBC. Dr. Sritharan will also be guiding the causal factors study related to studying health disparities with a focus on environmental factors.

Curriculum Enhancements in Environmental Engineering, National Science Foundation 2008-2010

Applied Remote Sensing of Evapotranspiration, United States Bureau of Reclamation 2005-2010.

Remote Sensing for Layered Sensing Application, US Air Force Research Laboratory -2008-2009

Research Interests: Causal factors study using GIS related to studying health disparities with a focus on environmental factors. The health disparities related to diabetes and stroke amongst African Americans in inner city environs are of primary interest.