

## **Dr. Tamim Younos**

### **Current Position**

Research Professor, Geography Department and Associate Director for Research and Program Development, Virginia Water Resources Research Center, Virginia Tech  
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### **Research and Educational Interests**

Watershed assessment; environmental hydrology; water-energy nexus, rainwater harvesting, water supplies in rural environments; sustainable development.

### **Academic Background**

Doctor of Engineering, (Urban Engineering – Environ Eng.), the University of Tokyo (1976)  
M.S. in Engineering (Civil Engineering), the University of Tokyo (1973)  
B.S. in Engineering (Civil Engineering), Tohoku University, Japan (1971)

### **Professional Experience**

Senior Research Scientist, Virginia Water Resources Research Center, Virginia Tech (2002 – 2006); Interim Director (2002 – 2006)  
Associate Director, Virginia Water Resources Research Center (1996 – 2002)  
Research Scientist, Biological Systems Engineering, Virginia Tech (1990 - 1996)  
Research Affiliate, Virginia Water Resources Research Center (1987 – 1989)  
Assistant Professor of Agricultural Engineering, Virginia Tech (1980 – 1987)  
Research Associate, Agricultural Engineering Department, Virginia Tech (1979 – 1980)  
Postdoctoral Associate, Cornell University (1977 – 1979)

### **Recent Honors and Awards**

Friend of UCOWR, Universities Council on Water Resources (2003)  
[Recognized for vision and leadership in the advancement of water resources education and research]  
Fellow, Japan Society for Promotion of Science (2001)  
Presented lectures on watershed management at the University of Tokyo (September – October 2001)  
Drop of Water Award (2006)  
Southeast Rural Assistance Project, Inc. in recognition of research and outreach in small communities.

### **Selected Recent & Relevant Publications (total number of publications > 145)**

Younos, T. (Editor). 2005. Total Maximum Daily Load – Approaches and Challenges. PenWell Books, Tulsa, Oklahoma. 374 pp. Peer reviewed. (*Book selected for inclusion in the National Agricultural Library collection*). ISBN 1-59370-046-6.

Younos, T. (Editor). 2002. Advances in Water Monitoring Research. Water Resources Publication, LLC., Littleton, Colorado, 230 pp. Peer reviewed. ISBN 1-887201-33-5.

Younos, T. (Author & Editor). Desalination: A Primer. 2005. Journal of Contemporary Water Research & Education. No. 122. The Universities Council on Water Resources, Southern Illinois University, Carbondale, IL. 52 p.

Kaurish, F. and T. Younos. 2007. Developing a Standardized Water Quality Index for Evaluating Surface Water Quality. Journal of American Water Resources Association (JAWRA), Vol. 23 (2): 533-545.

Younos, T. 2005. Emerging Threats to Drinking Water Quality. Renewable Resources Journal, Vol. 25, No. 2, p. 1-5. (*invited paper*)

Younos, T., R. De Leon, C. Lewicki. 2003. Integrating Service-Learning into Watershed Management Programs: Opportunities and Challenges. *Jour. AWRA* Vol. 39 (1): 1-5.

Younos, T. (Editor). 2002. Universities' Contribution to TMDL Program Development. *Water Resources Update* No. 122 (*peer reviewed*). The Universities Council on Water Resources, Southern Illinois University, Carbondale, Illinois. 61 pp.

Younos, T. and J. L. Walker. 2002. Evaluation of Biological Assessment Data and Protocols for TMDL Reports. In: *Universities' Contribution to TMDL Program Development. Water Resources Update (Peer Reviewed Issue)* No. 122, The Universities Council on Water Resources, Southern Illinois University, Carbondale, IL. Pp. 47-54.

**Recent Research Reports:** [http://www.vwrrc.vt.edu/special\\_reports.html](http://www.vwrrc.vt.edu/special_reports.html)

### **Recent Major Synergistic Activities**

Board Member (elected), American Water Resources Association (2005- 2008)

Board Member, Renewable Natural Resources Foundation (2003- 2008)

Board Member (elected), Universities Council on Water Resources (UCOWR) (1999- 2007).

UCOWR President (2005-06)

Member–Representing academia on National Water Quality Monitoring Council (2006 – present)

Chair, Technical Program, National Conference “Water Security in the 21<sup>st</sup> Century”.

Universities Council on Water Resources and National Institutes for Water Resources. Washington, D.C. (2003).

Academic Advisory Committee, Virginia Department of Environment Quality (1997-present)

Chair, Technical Program, Cross Currents in Water Policy National Conference, Universities Council on Water Resources, Hood River, Oregon (August 1998).

Member, Editorial Board, *Jour. Contemporary Water Res*, and Ed., UCOWR (2002- 2007)

### **Peer Reviewer**

*Journal of American Water Resources Association (JAWRA)*; *Journal of Environmental Engineering (ASCE)*; *Transactions of the ASAE*; *Applied Engineering in Agriculture*; *Journal of Soil and Water Conservation*; *Water Environment Federation Publications*. USGS Grants Applications. *Jour. Water Resources Research*

### **Teaching**

NR/5984 - ALS/NR 4614: Watershed Assessment, Management and Policy

GEOG 5984: Water, Energy, Environment and Society

### **Graduate Student Major Adviser**

Current: 4 students

### **Undergraduate Research Advisor**

Current: 3 students

### **External Research Funding**

1996-2009: Over 1.5 million dollars as first PI.

### **Recent International Activity**

- Instructor, Study-Abroad Program, sustainable management of water resources, Dominican Republic, Fall Semester 2008, Fall Semester 2009
- Visiting researcher, decentralized drinking water purification systems, Mexico, June 2008.