

## Gopal Achari

Professor, Department of Civil Engineering  
University of Calgary, Calgary, Alberta  
Contact: 403-220-6599; [gachari@ucalgary.ca](mailto:gachari@ucalgary.ca)  
<https://schulich.ucalgary.ca/profiles/gopal-achari>



### Expertise

Water and wastewater treatment, advanced oxidation, emerging contaminants, technology development, decision support systems, risk ranking and contaminated sites

### Academic Record

Year	Department	Degree	Location
1995-1996	Civil Engrg & Geosciences	PDF	University of Calgary
1995	Civil Engineering	PhD	University of Calgary
1991	Civil Engineering	MSc	University of Calgary
1987	Civil Engineering	B. Tech	I.I.T., Delhi, India

### Academic and Other Appointments:

2008 – present Professor, University of Calgary  
2002 – 2008 Associate Professor, University of Calgary  
1998 – 2002 Assistant Professor, University of Calgary  
1996 – 1998 Project Engineer, Syeman Associates Ltd.  
1995 - 1996 Post Doctoral Fellow/Independent Consultant  
1989 - 1995 Research/Teaching Assistant, University of Calgary

### Graduate and Undergraduate Supervision

#### Current Graduate Students:

PhD students: 5; MSc Students: 6

#### Past Supervised Graduate Students:

PhD (supervised): 9; PhD (co-supervised): 3; MSc project and thesis based (supervised): 22  
MSc project and thesis based (co-supervised): 3

Post Doctoral Fellows/Research Associates/Research Assistants: 13

Number of journal publications in last 6 years: 42

### Selected Journal Publications

1. Yu\*, L. Achari, G. and Langford, C.H. (2014) Design of a homogeneous radiation field in an LED photo-reactor. Journal of Environmental Engineering and Science, 9 (4), 214 –223.
2. Zhang , K., Zargar, A., Achari, G., Sadiq, R. (2014). Application of decision support systems in water management. Environ. Reviews, 22(3), 189-205.
3. Akbar , T.A., Hassan, Q.K. and Achari, G. (2014). Development of remote sensing based models for water quality. CLEAN – Sol, Air, Water. 42 (8), pp. 1044–1051.
4. Malkhasian, A., Izadifard , M., Achari, G. and Langford, C.H. (2014). Photocatalytic degradation of agricultural antibiotics using a UV-LED light source. J. Environ. Sci., Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes, 49(1), pp. 35-40.
5. Zhang , K., Achari, G., Li, H., Zargar, A., Sadiq, R. (2013). Machine learning approaches to predict coagulant dosage in water treatment plants. Int. J. of Systems Assurance Engrg., and Manag. 4(2), pp 205-214.
6. Yu , L. Izadifard, M., Achari, G., Langford, C.H. (2013). Electron transfer sensitized photodegradation of surfactant solubilized PCB 138, Chemosphere 90(9), pp. 2347-2351.
7. Kong, J., Achari, G., Langford, C.H. (2013). Dechlorination of polychlorinated biphenyls in transformer oil using UV and visible light. J. of Environ. Health. Part A, Toxic/Hazardous Subs and Environ. Engrg., 48 (1), pp. 92-98.
8. Izadifard, M., Achari, G. and Langford, C.H. (2013). Application of photocatalysts and LED light sources in drinking water treatment. Catalysts, 3(3), 726-743.
9. Tahir, A.A., Hassan, Q.K. and Achari, G. (2013). Development of remote sensing based models for water quality. CLEAN – Sol, Air, Water
10. Yu, L., Achari, G. and Langford, C.H. (2013). Photocatalytic treatment of pesticides and chlorophenols with a LED light source. ASCE J. of Environ. Engrg.
11. Guirgis, A., Ghosh, J.P., Achari, G. and Langford, C.H., Banerjee, D. (2012). An alternate process to treat boiler feed water for reuse. Water Environment Research, 84(9).