

# **Syed Hashsham**

**Associate Professor of Civil and Environmental Engineering at Michigan State University**

East Lansing, MI, US

An expert in environmental engineering issues and detection of microorganisms important to drinking water and wastewater

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## **Description**

Dr. Hashsham's research focuses on environmental molecular biology and mathematical tools to address environmental engineering issues. Current research focuses on the development of DNA biochips for parallel detection of microorganisms important to drinking water and wastewater. Approaches for improved detection limit, sample concentration, probe design, and validation are of special interest. Dr. Hashsham is also interested in developing new tools to manage mixed microbial communities important to environmental biotechnology.

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## **Industry Expertise**

Writing and Editing, Education/Learning, Research, Environmental Services

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## **Topics**

Infectious Disease, Wastewater, Drinking Water, Biosecurity

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## **Affiliations**

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### **Education**

**University of Illinois at Urbana-Champaign**

Ph.D. Environmental Engineering

**Indian Institute of Technology, Bombay**

M.S. Environmental Engineering and Science

**Aligarh Muslim University, India**

B.S. Civil Engineering

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