

# Biographical Sketch

## SYED E. HASAN

### Area of Expertise

Waste management, geology and health/medical geology, sustainability, geoscience education

### Academic Preparation

Ph.D., Purdue University, USA, Engineering and Environmental Geology, 1978; M.S., Roorkee University (IIT), India, Applied Geology, 1963; B.S., Patna University, India, Geology (Honors), 1960.

### Professional Appointments

1996-present	Director, Center for Applied Environmental Research, University of Missouri-Kansas City (UMKC)
2005-2008	Chair, Department of Geosciences, UMKC
2002-present	Developer and Program Director, Graduate Certificate in Waste Management, UMKC
1998-present	Professor of Geosciences, UMKC
1997-present	Registered Geologist, State of Missouri, Registration No. RG 0786
1979-1997	Assistant through Associate Professor of Geosciences, UMKC



### Publications (selected list)

1. Adegoke, J; Chris Green, and **Syed Hasan**, 2010. "A Business in Kansas City, MO, Gets Professional Help on Emissions Assessment and Mitigation Planning," *Sustainability: The Journal of Record*. December 2010, 3(6): 334-337. doi:10.1089/SUS.2010.9734.
2. Hasan, S.E; 2009, "Assessment of environmental risk from industrial waste," *Proceedings, Second Gulf Conference & Exhibition on Environment and Sustainability*, February 16-19, 2009, Kuwait.
3. Dawit, Tecele; Jejung Lee, and **Syed Hasan**, 2008, "Quantitative analysis of physical and geotechnical factors affecting methane emission in municipal solid waste landfill" *Environmental Geology Online*, 7 Feb. 2008, <http://www.springerlink.com/content/6wr25vh85074518g/fulltext.pdf>, DOI 10.1007/s00254-008-1214-3
4. Shaqour, F. and **Hasan, S.E**; 2007, "Groundwater Control for Construction Purposes: A Case Study from Kuwait." *Environmental Geology Online* <http://dx.doi.org/10.1007/s00254-007-0768-9>, and print edition
5. Hasan, S.E; 2007, "International Practice in High Level Nuclear Waste Management," in Sarkar, Datta, and Hannigan (eds.) *Concepts and Applications in Environmental Geochemistry*, Developments in Environmental Science 5, Elsevier, p. 57-77
6. Hasan, S.E; 2006, "Changing Nature of Waste: Pharmaceuticals and Personal Care Products." *Proceedings*, 4th Euro-Arab Environment Conference & Exhibition 2006, Vol. I, p. 45-54.
7. Hasan, S.E; 2004, Public Awareness is Key to Successful Waste Management, *Jr. Env'tl. Sci. & Health*, A39:2, 483-492.
8. Hasan, S.E; 2002, "Engineering Geology, Environmental Geology and Mineral Economics" *Knowledge for Sustainable Development: An Insight into the Encyclopedia of Life Support Systems*, Volume II: Oxford, U.K; EOLSS Publishers Co. Ltd., p. 883-895.
9. Hasan, S.E; 1999, Environmental Geology Education: Experience from the United States, *Proceedings of the International Symposium on Engineering Geology and the Environment*, International Association of Engineering and Environmental Geology, Athens, Greece, June 23-27, 1997, A.A. Balkema, Netherlands, pp. 3327-3332.
10. Hasan, S.E., 1996, *Geology and Hazardous Waste Management*, Prentice Hall, Upper Saddle River, NJ; 387 p. (Winner of the best publication award from the Association of Engineering Geologists, 1998).
11. Hasan, S.E; Moberly, R.L., and Caoile, J.A., 1988, Geology of Greater Kansas City, Missouri and Kansas, United States of America, *Bulletin of the Association of Engineering Geologists*, 25:3, 277-341.

### Professional Service/Activities

1. Member Editorial Board, *Environmental and Engineering Geoscience*, a joint publication of the Geological Society of America and the Association of Environmental and Engineering Geologists (2007-current)
2. Chair, Publication Committee, Environmental and Engineering Geology Division, Geological Society of America (2009-current)
3. Chair, Geology and Health Division, Geological Society of America (2010-2011)
4. Chair, Engineering Geology Division, Geological Society of America (2007-2008)
5. Chair, Environmental Characterization and Remediation Technical Working Group, Association of Environmental and Engineering Geologists (2007-current)
6. National Public Radio, *Science Friday Show* (a highly acclaimed show, broadcast live from 150 radio stations in the U.S. and Europe), September 29, 2000: Underground space development in Kansas City.

### **Professional Affiliations**

- Fellow Geological Society of America (1995-current)
- Life Fellow, Geological Society of America (1968-current)
- Member, Board of Advisers, Arab Healthy Water Association, UNESCO-Cairo, Egypt (2004-current)
- Member, Board of Governors, Council for Frontiers of Knowledge, Uganda, Africa (2005-current)
- Honorary Theme Editor, "Engineering Geology, Environmental Geology and Mineral Economics," *Encyclopedia of Life Support System*, a multi-volume electronic encyclopedia of human knowledge, UNESCO, Paris, France (1998-current)

### **Awards and Honors**

- Meritorious Service Award, 2009, Geological Society of America: Engineering Geology Division.
- *Berkey Gavel* for outstanding service as Chair, Engineering Geology Division, Geological Society of America, 2007.
- *Outstanding Alumnus Award*, 2005, Purdue University, Department of Earth and Atmospheric Sciences.
- *Educator's Environmental Excellence Award*, 2002 from the U.S. Environmental Protection Agency, Region VII, outstanding environmental educator in Missouri for 1999-2000 year.
- *Claire P. Holdredge Award*, 1998 from the Association of Engineering Geologists for my book "Geology and Hazardous Waste Management"
- Listed in *American Men and Women of Sciences*; *Who's Who in America*; *Who's Who in American Education*; *America's Registry of Outstanding Professionals*; *Who's Who in the Midwest*; and *Men of Achievement*, and *Top 100 Scientists* (2009) International Bibliographical Centre, Cambridge, U.K.

### **Graduate Research Advising**

Supervised (supervising) 5 PhD dissertation research and 11 M.S. theses research projects in the fields of environmental and engineering geology.

### **Professional Society Membership** (all current)

- Association of Environmental and Engineering Geologists
- Geological Society of America
- American Geophysical Union
- International Medical Geology Association
- International Association for Engineering Geology and the Environment
- Phi Kappa Phi