

## Profile of Dr. J. K. Saha

**Name:** Dr. J. K. Saha

**Designation:** Head & Principal Scientist,  
Division of Environmental Soil Science

**Date of birth:** 06<sup>th</sup> April, 1963

**Education:** Ph.D. in Agricultural Chemistry and Soil Science



**Major research areas:** Soil pollution impact assessment; Heavy metals on crop growth, food contamination and soil biological activities; Toxicity amelioration

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### Professional experiences:

Position held	Organisation	Department/Centre	Year appointed
Head	Indian Institute of Soil Science, Bhopal	Environmental Soil Science	2014
Principal Scientist	Indian Institute of Soil Science, Bhopal	Environmental Soil Science	2007
Senior Scientist	Indian Institute of Soil Science, Bhopal	Environmental Soil Science	1999
Scientist	Indian Institute of Soil Science, Bhopal	Project Coordinating Unit (Micronutrient)	1993

**Awards:** S. N. Ranade Memorial Junior Scientist Award for Excellence in Micronutrient Research for the year 1998-'99

### Publications

1. Saha, J.K.; Panwar, N.; Singh, M.V. (2010) An assessment of municipal solid waste compost quality produced in different cities of India in the perspective of developing quality control indices. *Waste Management* 30: 192–201.
2. Saha, J.K.; Panwar, N.; Singh, M.V. (2010) Determination of lead and cadmium concentration limits in agricultural soil and municipal solid waste compost through an approach of zero tolerance to food contamination. *Environmental Monitoring and Assessment*. 168: 397-406.
3. Saha, J.K.; Panwar, N.; Srivastava A.; Biswas, A. K.; Kundu, S.; Subba Rao, A. (2010) Chemical, biochemical, and biological impact of untreated domestic sewage water use on Vertisol and its consequences on wheat (*Triticum aestivum*) productivity. *Environmental Monitoring and Assessment* 161: 403-412.

4. Saha, J.K.; Panwar, N.; Vassanda Coumar, M. (2013) Effect of methods of preparation on distribution of heavy metals in different size fractions of municipal solid waste composts. *Environmental Monitoring and Assessment* 185: 8815-8821.
5. Saha, J.K. and Kundu, S. (2003) Determination of fluoride in soil water extract through ion chromatography. *Communications in Soil Science and Plant Analysis*. 34 (1 & 2): 181-188.
6. Saha, J.K.; Mondal, A.K.; Hazra, G.C. and Mandal, Biswapati (1991) Depthwise distribution of copper fractions in some Ultisols. *Soil Sci.* 151(6): 452-458.
7. Saha, J.K. and Singh, M.V. (1997) Effect of temperature on determination of boron by azomethine-H method. *J. Indian Soc. Soil Sci.* 45 (1): 57-61.
8. Saha, J.K. (2005) Changes in Salinity and Sodicity of Soils with continuous application of contaminated water near Industrial area. *J. Indian Soc. Soil Sci.* 53 (4): 612-617.
9. Saha, J.K., Panwar, N. and Singh, M.V. (2013) Risk assessment of heavy metals in soil of a susceptible agro-ecological system amended with municipal solid waste compost. *J. Indian Soc. Soil Sci.* 61 (1): 15-22.
10. Saha, J.K.; Singh A.B.; Ganeshamurthy, A.N.; Kundu, S. and Biswas, A.K. (2001) Sulfur accumulation in Vertisols due to continuous gypsum application for six years and its effect on yield and biochemical constituents of soybean (*Glycine Max* L. Merrill). *J. Plant Nutr. Soil Sci.* 164: 317-320.