


## Scientist Profile Dr. Asha Sahu

<b>Name</b>	Dr. Asha Sahu			
<b>Designation</b>	Scientist			
<b>Date of Birth</b>	29/09/1982			
<b>Education</b>	Ph.D. (Soil Science & Agricultural Chemistry)			
<b>Major Research Areas</b>	Soil Chemistry/Fertility/Microbiology; Waste recycling & Bioremediation			
<b>E-mail</b>	<a href="mailto:ashaiiss@iiss.res.in">ashaiiss@iiss.res.in</a>			
<b>Professional Experience</b>				
<b>Position held</b>	<b>Organization</b>	<b>Division</b>	<b>Year appointed</b>	
Scientist	ICAR-Indian Institute of Soil Science, Bhopal	Division of Soil Biology	2010	
<b>Awards</b>				
✚ UGC/BHU fellowship for Ph.D. Program			2007	
✚ Senior Research Fellowship of ICAR			2008	
✚ IISS Best Doctoral Research Presentation Award			2012	
✚ Bharat Jyoti Award by IIFS, New Delhi			2013	
<b>Publications</b>				
1.	<b>Sahu Asha</b> , Singh SK, Sahu Nisha, Ram Bali, Manna MC (2014) Adsorption-desorption studies of cadmium in three different soil orders. Nature Environment and Pollution Technology. 13(3): 559-564			
2.	Dixit R, Wassiullah, Malviya D, Pandiyan K, Singh UB, <b>Sahu Asha</b> , Shukla R, Singh BP, Rai JP, Sharma PK, Lade H, Paul D (2015) Bioremediation of heavy metals from soil and aquatic environment: an overview of principles and criteria of fundamental processes. Sustainability. 7: 2189-2212			
3.	Phalke DH, Patil SR, Pharande AL, Manna MC, <b>Sahu Asha</b> , Kaur Shamandeep (2014) Effect of In situ recycling of sugarcane crop residues on soil enzyme activities under soybean-maize system. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. DOI 10.1007/s40011-014-0433-5			

4. Sahu Nisha, Raha P, **Sahu Asha**, Singh UB (2014) Effect of Acephate on respiration, microbial biomass and fluorescein diacetate-hydrolysing activity in alluvial soil (Typic Ustochrepts). *Pollution Research*. 33(4): 131-134
5. Singh UB, **Sahu Asha**, Sahu Nisha, Singh, Bhanu P, Singh RK, Renu, Singh DP, Jaiswal, RK, Sarma BK, Singh HB, Manna MC, Rao Subba A, Prasad Rajendra S (2013) Can endophytic *Arthrobotrys oligospora* modulate accumulation of defence related biomolecules and induced systemic resistance in tomato (*Lycopersicon esculentum* Mill.) against root knot disease caused by *Meloidogyne incognita*. *Applied Soil Ecology*. 63:45-56.
6. Singh U.B., **Sahu Asha**, Sahu, N., Singh, R.K., Renu, Singh, D.K., Singh, B.P., Jaiswal, R.K., Singh, D.P., Rai, J.P., Manna, M.C., Singh, K.P., Srivastava, J.S., Subba Rao, A., Rajendra Prasad, S. (2013) Nematophagous fungi: *Catenaria anguillulae* and *Dactylaria brochopaga* from seed galls as potential biocontrol agents of *Anguina tritici* and *Meloidogyne graminicola* in wheat (*Triticum aestivum* L.). *Biological Control*. 67:475-482
7. **Sahu Asha**, Mandal A, Thakur J, Manna MC, Subba Rao A (2012) Exploring bioaccumulation efficacy of *Trichoderma viride*: an alternative bioremediation of cadmium and lead. *Natl. Acad. Sci. Lett.* 35 (4): 299-302
8. Manna MC, **Sahu Asha** Subba Rao A (2012) Impact of long-term fertilizers and manure application on C-sequestration efficiency under different cropping systems. *Indian Journal of Soil Conservation*. 40(1): 70-77
9. Manna MC, **Sahu Asha** (2012). Accelerated composting technique for municipal solid wastes recycling in India. *An Asian J. Soil Sci.*, 7(2): 245-248
10. Singh UB, **Sahu Asha**, Sahu Nisha, Singh RK, Renu, Singh DP, Manna MC, Sarma BK, Singh HB, Singh KP (2012). *Arthrobotrys oligospora* mediated induced systemic resistance and biochemical responses in tomato (*Lycopersicon esculentum* Mill.) affects disease dynamics and enhance bio-protection against *Meloidogyne incognita* and *Rhizoctonia solani*. *Journal of Applied Microbiology*. 114:196-208.