

Scientific Profile

Name: Dr. Brij Lal Lakaria
Designation: Principal Scientist (Soil Chemistry/Fertility/Microbiology)



Date of Birth: 01 February, 1968
Major Research Areas: Natural Resource Management, Watershed Management, soil carbon management, soil potassium research

Educational Qualification: Ph.D. (Soil Science and Agricultural Chemistry)
E-mail : lakaria2001@yahoo.com; lakaria2001@gmail.com,
Mobile: 09425784480

Professional Experience:

<i>Designation</i>	<i>Institution</i>	<i>Period</i>
Principal Scientist	Indian Institute of Soil Science, Bhopal	02/06/2011 onwards
Senior Scientist		14/1/2007 to 02/06/2011
Senior Scientist	CSWCRTI, Res. Centre, Datia, M.P.	01/10/2006 to 14/1/2007
Scientist		01/10/1997 to 30/09/2006

I have 15 years of experience in research and training in the field of natural resource management, watershed management, developing USLE parameters for central India, assessment of suitable canopy covers for the degraded lands of central India, establishing soil loss tolerance limits and existing erosion status of the MP state. In addition have developed expertise in different aspects of soil organic carbon research under different land use management etc.

Awards and Recognitions:

ICAR Merit Scholarship for doctoral programme at IARI, New Delhi
College merit scholarships during Graduation and Post Graduation Programme at HPKV, Palampur

Research Paper : 35

Other publications: 40

List of ten best publications

Brij Lal Lakaria, H.Biswas and D. Mandal. 2008. Soil loss tolerance values for different physiographic regions of Central India. *Soil Use & Management*, 24: 192-198.

Brij Lal Lakaria, Muneshwar Singh, K. Sammi Reddy, A.K. Biswas, Pramod Jha, R.S. Chaudhary and A.B. Singh 2012 Carbon addition and storage under integrated nutrient

- management in soybean-wheat cropping sequence in a vertisol of central India. *National Academy Science Letters*, 35:131-137.
- Brij Lal Lakaria**, S.K. Behera and Dhyan Singh. 2012. Different forms of potassium and their contributions toward potassium uptake under long-term maize (*Zea mays* L.)–wheat (*Triticum aestivum* L.)–cowpea (*Vigna unguiculata* L.) rotation on an Inceptisol. *Communications in Soil Science and Plant Analysis*, 43:1–12, 2012.
- Brij Lal Lakaria**, Annunita Mukherjee, Pramod Jha and A.K. Biswas (2012) Soil Carbon mineralization as affected by land use systems and water regimes. *Journal of the Indian Society of Soil Science* 60(1): 71-73.
- Jha, P., Biswas A.K., **Lakaria, Brij Lal**, Saha, R., Singh, M. and Rao, A. S. 2014 Predicting total organic carbon content of soils from Walkley and Black analysis. *Communication in Soil Science and Plant Analysis*, 45 (6), 713-725. DOI:10.1080/00103624.2013.874023.
- Pramod Jha, Nikita Garg, **Brij Lal Lakaria**, A.K. Biswas and A. Subba Rao. 2012. Soil and residue carbon mineralization as affected by soil aggregate size. *Soil and Tillage Research* 121: 57-62.
- Jha, P., **Lakaria, B.L.**, Biswas, A.K., Saha, R., Mahapatra, P., Agrawal, B.K., Sahi, D.K. Wanjari, R.H., Lal, R., Singh, M., Rao, A.S. 2014 .Effects of carbon input on soil carbon stability and nitrogen dynamics. *Agriculture, Ecosystems and Environment*, 189, 36-42. 10.1016/j.agee.2014.03.019.
- J. Somasundaram, R. S. Chaudhary, **Brij Lal Lakaria**, R. Saha, N. K. Sinha, R. K. Singh, Pramod Jha, R. K. Singh, A. Subba Rao (2013) Pothole Formation and Occurrence in Black Vertisols of Central and Western India. *Agric Res.*, 2013, DOI 10.1007/s40003-014-0098-6.
- Adhikary, PP, Tiwari, S.P., Mandal, D., **Lakaria, B.L.** and Madhu, M. 2014. Geospatial comparison of four models to predict soil erodibility in a semi-arid region of Central India. *Environmental Earth Sciences*. DOI 10.1007/s12665-014-3374-7.
- Brij Lal Lakaria**, Dev Narayan, V.S. Katiyar, H. Biswas, Pramod Jha and J. Somasundaram. 2011. Runoff and soil loss under varying rainfall magnitudes and its prediction for different vegetative covers in Bundelkhand region. *Indian Journal of Soil Conservation*, 39(1): 1-8, 2011.