

Scientist Profile

1. Name Dr. J. K. Thakur
2. Designation Scientist
3. Date of Birth 6th June 1980
4. Education Ph.D (Microbiology)
5. Major Research Areas Soil Biodiversity, PGPR, Biodegradation
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8. Professional Experience Scientist (Agril. Microbiology) at ICAR-Indian Institute of Soil Science since 27th Aug 2010.
9. Awards --



10. Publications:

1. **Thakur, J. K.**, Paul, S., Dureja, P., Annapurna, K., Padaria, J.C and Gopal, M. (2014) Degradation of sulphonated Azo dye Red HE7B by *Bacillus* sp. and elucidation of degradative pathways. *Current Microbiology*. DOI 10.1007/s00284-014-0571-2
2. Paul, S., Aggarwal, C., **Thakur, J. K.**, Bandeppa., Khan, M. A., Pearson, L. M., Babnigg, G., Giometti, C. S. and Joachimiak, A. (2015). Induction of osmoadaptive mechanisms and modulation of cellular physiology help *Bacillus licheniformis* strain SSA 61 adapt to salt stress. *Current Microbiology*. DOI 10.1007/s00284-014-0761-y
3. Maheshwar Singh Rathi, Sangeeta Paul and **Jyoti Kumar Thakur**. (2014) Response of wheat to inoculation with mycorrhizae alone and combined with selected rhizobacteria including *Flavobacterium* sp. as a potential bioinoculant. *Journal of Plant Nutrition*. 37:1,76-86, DOI: 10.1080/01904167.2013.848889
4. Dotaniya, M. L., **Thakur, J. K.**, Meena, V. D., Jajoria, D. K. and Rathor, G. (2014). Chromium Pollution: A threat to environment- A Review. *Agri. Review*. 35(2): 153-157. DOI 105958/0976-0741.2014.00094.4.
5. Paul, S., Bandeppa., Aggarwal, C., **Thakur, J. K.**, Rathi, M. S. and Khan, M. A. (2014). Effect of Salt on Growth and Plant Growth Promoting Activities of *Azotobacter chroococcum* Isolated from Saline Soils. *Environment & Ecology*. 32 (4): 1255—1259. ISSN 0970-0420
6. Sangeeta Paul. Bishwajeet Paul, Md. Aslam Khan, Chetana Aggarwal, **Jyoti K. Thakur**, Maheshwar S. Rathi. (2013). Effects of Lindane on Lindane-Degrading *Azotobacter chroococcum*; Evaluation of Toxicity of Possible Degradation Product(s) on Plant and Insect. *Bull Environ Contam Toxicol*. **90 (3)**:351–356. DOI 10.1007/s00128-012-0930-2.
7. **J. K. Thakur**, Sangeeta Paul, Livleen Shukla and Chetna Aggarwal. (2012). Biochemical characterization and efficiency assessment of azo dye Red HE7B degrading bacteria isolated from textile mill effluent contaminated soils. *Pusa Agri Science*. 35: 14-19.
8. Asha Sahu, Asit Mandal, **Jyoti Thakur**, M. C. Manna and A. Subba Rao, (2012). Exploring bioaccumulation efficacy of *Trichoderma viride*: an alternative bioremediation of cadmium and lead. *National academy of science letter*. **35(4)**: 299-302.