

## SCIENTIST PROFILE



1. Name & Designation : Dr. Upendra Kumar, Scientist
2. Date of Birth : 5<sup>th</sup> February, 1981
3. Date of joining ICAR : 11<sup>th</sup> May, 2010
4. Date of joining the present post : 11<sup>th</sup> May, 2010
5. Qualification ( highest degree) : Ph.D
6. Post Doctoral Research Experience/Training:
7. Area of Specialization/research interest: Microbiology (Agricultural Science)
8. Significant Contribution including products and patents (Five bullets):
  - Antibiotic-producing fluorescent pseudomonads from endo-and rhizosphere of Rice and Rapeseed mustard were characterized.
  - Potential biofertilizer and biocontrol ability of PGPR were characterized from endo-and rhizosphere of Basmati rice/Aromatic rice *nifH* diversity of diazotrophic bacteria was detected and identified from aromatic rice ecology.
  - Population dynamics of soil microbes was analyzed from long term pesticide treated paddy soil of CRRI, Cuttack (Odisha).
  - Effect of recent herbicides (flucetosulfuron, bispyribac sodium etc.) on soil microbes were studied under rice ecology.
9. Awards/Honours:
  - Awarded Best Poster in 49<sup>th</sup> Annual conference of AMI: International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, New Delhi, India. 18<sup>th</sup>–20<sup>th</sup> December 2008.
  - Received the best poster award in National conference on “Utilization of microbes for sustainable development” held at OUAT, Bhubaneswar from 14<sup>th</sup> to 15<sup>th</sup> December, 2012.
10. Publications (10 best):
  - i. **Kumar Upendra**, Singh SD, Vithal Kumar L, Ramadoss D and Annapurna K (2012). Functional diversity of plant growth promoting rhizobacteria from endorhizosphere of aromatic rice. **Pusa AgriScience** 35: 103-108.
  - ii. Mageshwaran V, Mondal KM, **Kumar Upendra** and Annapurna K (2012). Role of antibiosis on suppression of bacterial common blight disease in French bean by *Paenibacillus polymyxa* strain HKA-15. **African Journal of Biotechnology** 11(60): 12389-12395.
  - iii. Mageshwaran V, Gupta A, **Upendra Kumar**, Padaria J and Annapurna K (2010).Effect of see treatment with *Paenibacillus polymyxa* HKA-15 on suppression of charcol rot disease and growth promotion of soybean. **Pusa AgriScience** 33: 14-19.