Dr. BRAJENDRA
Email id: braj_2222@rediffmail.com
Phone: 040-24591 (O) 91772-10995 (M)

1. Personal bio-data:

a) Position/Designation : **Senior Scientist, Soil Science**

b) Joining date in ICAR : **25-8-2003 at ICAR Mizoram, (DOB: 30/01/1973)**

c) Discipline and Specialization : **Soil Science - fertility/Chemistry/Microbiology**

d) Training/advance exposure in the area of work:

- A 21 DAYS TRAINING AT IISS Bhopal, MP on Efficient composting techniques for production of nutrient enriched composts from agro Industrial and city wastes and standardization of methods.
- A 5 DAY GIS for landscape Analysis training at ICRISAT, Hyderabad.
- A 7 days Data analysis with SAS at NAARM, Hyderabad.

e) Contribution to the scientific advancement :

- Developed district wise GIS based mineral mapping of Mizoram soils, fodder, blood serum and based on that a mineral mixture as well as a decision support system on fertility status.
- Developed and popularized among different stakeholders a low cost rapid soil health kit for acid soils in North eastern Hill region
- Developed STCR based fertilizer recommendations formulas for N, P and K in rice, maize and soybean in Meghalaya and ended with GIS based soil fertility maps of Meghalaya plus simple software for fertilizer recommendations.
- Developed e- soil health card at Rice Knowledge Management Portal platform for online generation of soil health card.
- Evaluating agronomic fortification with nitro and phospho composts in rice to reduce fertilizer load in rice and Rice Soil Quality of Andhra Pradesh in the undergoing in house project at DRR.

2. Future Planning of research :

- Assessment of soil quality/health in rice soils

- Use of different sized particles i.e.., micronized particles of nutrients in enhancing use efficiency, alleviating nutritional disorders.
- Carbon and micronutrients sequestration strategies in rice soils vis a vis climate change
- Agronomic fortification i.e. nitro, phospo and sulpho composts for reducing substantially fertilizer load in rice
- Screening rice genotypes for P, Salinity and micronutrient tolerance.

3. Publications :

- Singh, A, Singh, B.K, **Brajendra**, Nath, A and Deka B.C. (2010). **Studies on the variability, inheritance and inter relationships of mineral macro and micronutrients in strawberry**. Journal of horticultural Science and Biotechnology. 85(6) 551-555.
- Kumaresan,A,Bujarbaruah ,K.M, Pathak,K.A. **Brajendra** and Ramesh,T. (2009).**Soil – Plant-Animal continuum in relation to macro and micro mineral status of dairy cattle in subtropical hill**. Tropical Animal Health Production.11250-009-9459-8.
- Prasad, Kamta, Brajendra, Singh, R.K, Verma, R.P.2009. **Participating analysis of indigenous technical know how about soil and water conservation practices prevailing among tribal farmers of Mizoram**. Indian Journal of Soil Conservation.37(2): 144-150
- **Brajendra**, Patiram and L. Somendro Singh (2010). **Fertilizer rates verification and prescription based on soil test crop response for rice grown in mid hills of Meghalaya**. Journal of Rice Research. 3(2):53-56
- Vishwakarma, A.K, Pathak, K.A. **Brajendra,** Ramakrishna, Y and Pattanayak, A. (2010).**Performance of upland rice varieties in Mizoram**. Journal of Rice Research. 3(2):57-59

4. Other relevant activities of Scientist:

- Assisting PI soil science in conducting and coordinating All Indian Coordinated Soil Science trials at DRR, monitoring of trials at various centres in India, analysis of data and preparation of reports.
- Acting as monitoring resource person for Patna District of Bihar under “Bringing green revolution in eastern India” under RKVY programme of MOA & ICAR.
- Member of different committees as Institute seminar committee, Hindi, Tender opening committee and others
- Resource person in different training programs conducted at DRR.