

BRIEF BIODATA OF Dr. Lalita Batra

1. Name: Dr. Lalita Batra :

2. Date of birth 16.09.1949 :

3. Present Position and (postal, phone & email) address: Principal Scientist, Central Soil Salinity Research Institute, Karnal 132001 (Haryana)

E. mail address: lalita@cssri.ernet.in

4. Academic record (Bachelor's degree onward)

Degree	University/ Institution	Year	Distinction, if any
1. B.Sc. (Hons.)	Punjab University	1970	-
2. M.Sc. (Hons.)	Punjab University	1972	-
3. P.HD. (Microbiology)	Punjab University	1991	-

5. Research Experience:

(a) Total (yrs): 32 years

(b) Year wise breakup with position: Principal Scientist, 01.07.1998–to date; Senior Scientist, 01.01.86–30.06.98; Scientist S2 01.07.84–31.12.85; Scientist S1 (with two advance increments) 01.07.82 - 30.06.84; Scientist S1, 01.07.76-30.06.82; Senior Research Assistant, 03.10.75-30.06.76.

6. Specialization: Microbiology

a) Scientific capabilities and interests (3-5 Key words): Nitrogen fixation, Microbiological properties, Soil enzymes, Salt affected soils.

b) Salient Accomplishments (3 to 5 in bullet form):

- Nodulation and nitrogen fixation on leguminous and noble guminous crops is more sensitive to soil salinity and sodicity as compared to yield of the corresponding plant.
- Excessive amounts of salts had adverse effects on soil microbiological properties and their activities.
- Pesticides when applied continuously in the soil affects soil microbial activity
- Microbiological properties are affected more by soil management practices than soil salinity and sodicity.

c) International Exposure: 1. Visited Yugoslavia under the programme of cooperation between the Govt of India and the Federal Executive – Council of the Assembly of Socialist Federal Republic Of Yugoslavia in the Field of Science and Technology from Feb. 10 to Feb. 18, 1990.at Institute of Agriculture, Novisad, Yugoslavia.

2. Attachment Research on Programme for “Proton Flux by Rice Cultivars in Relation to Salt Tolerance” under the Indo-UK Collaborative Project on Soil

Salinity and Breeding Salt Tolerant Crops in Rice, Brassica and Chickpea from March 1 to June 30, 1996 at Salinity Lab. Biological Sciences, Univ. Of Sussex, Falmer, Brighton, U.K.

7. Publications

- a) (i) Research (Journals)
- (ii) Books
- (iii) Book Chapters
- (iv) National/ International Seminar/ Symposia
- (v) Bulletins/ Technical Reports

Total

b) Best 5 publications of last 10 years (to be appended)

c) Best 10 publication of whole career (to be appended)

8. Awards/ Special recognitions (Limit to the best five)