

Profile of Dr. N.S. Bhogal

Name: Dr. Narindar Singh Bhogal

Designation: Senior Scientist (STCR)

Date of Birth: 17.08.1955

Education: Ph.D in Soil Science (Micronutrients)



Major Research areas: Micronutrients, secondary nutrients and pollutant elements in soils and plant, Quality of irrigation water, Screening of crops for micronutrient deficiency and toxicity and phytoremediation

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Professional experience:

1. Served as Junior Scientist cum Assistant Professor in All India Coordinated Research Project on Micro-, Secondary Nutrients and Pollutant Elements in Soil and Plant at Rajendra Agricultural University, Pusa, Bihar from 1.05.1986 to 13.05.1999.
2. Served as Senior Scientist (Soil Science) at Directorate of Rapeseed-Mustard Research, Sewar, Bharatpur from 14.05.1999 to 24.05.2014.
3. Serving as Senior Scientist (STCR) since 26.05.2014

Publication in numbers: 45

List of publications:

1. **Bhogal, N.S.**; Gangwar, M.S. and Rathore, V.S. (1984). Effect of Zn-P interaction on growth, zinc concentration and ribulose 1, 5-diphosphate carboxylase activity in two differentially susceptible rice (*Oryza sativa* L.) varieties in Mollisol. *J.Nuclear Agril. Biol.* **13**: 48 - 52.
2. **Bhogal, N.S.**; Gangwar, M.S. and Rathore, V.S. (1985). Zn-P interaction in two differentially susceptible rice (*Oryza sativa* L.) varieties in Mollisol. *J.Nuclear Agril. Biol.* **14**: 22 - 26
3. Sakal, R., Singh, A.P., Prasad, R. and **Bhogal, N.S.** (1990). Evaluation of critical limit of manganese for oats in calcareous soil using different extractants. *J. Indian Soc. Soil Sci.* **38**: 254 - 259

4. Sakal, R., **Bhogal, N.S.** and Singh, A.P. (1990). Evaluation of critical concentration of manganese in soybean grown in calcareous soils. *Ann. agric. Res.* **11**: 113 - 118.
5. Singh, A.P, Sakal, R., Sinha, R.B. and **Bhogal, N.S.** (1990). Effect of zinc and phosphorus application on zinc, phosphorus and iron nutrition to winter maize in calcareous soil. *Ann. agric. Res.* **11**: **89** - 97.
6. Singh, A.P, Sakal, R., Sinha, R.B. and **Bhogal, N.S.** (1991). Relative response of selected chickpea and pigeon pea cultivar to boron application. *Ann. agric. Res.* **12**: 20 - 25.
7. Sinha, R.B., Sakal, R., Singh, A.P., and **Bhogal, N.S.** (1991). Response of some field crops to boron application in calcareous soil. *J.Indian Soc.Soil Sci.* **39**:118 - 122.
8. Sakal, R., Singh, A.P., Sinha, R.B. and **Bhogal, N.S.** (1991). Relative susceptibility of some important varieties of sesamum and mustard to boron deficiency in calcareous soil. *Fert. News.* **36** (3): 43 - 46.
9. Singh, A.P., Sakal, R., Sinha, R.B. and **Bhogal, N.S.** (1992). Differential response of crops to sulphur application in calcareous soil. *Indian Fertilizer Scene Ann.* **5**:95 -101.
10. Sinha, R.B., Sakal, R., Singh, A.P., and **Bhogal, N.S.** (1992). Relative performance of different methods of raising rice seedlings in calcareous soils. *Ann. agric. Res.* **13**: 235 - 239.