



1. Name : **Dr. Amitava Rakshit**

2. Designation: **Assistant Professor**

3. Academic Qualifications:

Sr.	Degree	Institution	Year
1.	Doctorate	IIT, Kharagpur	2003
2.	M.Sc (Agriculture)	GBPUA&T, Pantnagar, Uttaranchal	1999
3.	B.Sc (Agriculture)	BCKV, W.B	1996

4. Area of Specialization: (brief writeup) if any:

Rhizosphere dynamics; Nutrient use efficiency of crop species; Simulations modeling in nutrient use efficiency; Development of organic farming protocols and Integrated Nutrient Management module; Assessing heavy metal toxicity at the peri-urban interface

5. Contact Information: 0542-6701604 (O), 09450346890(R)
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6. Projects Undertaken as PI/ Co PI(if any):

- Bioremediation of soil and ground water polluted by industries in adjoining areas of Varanasi by Director, Council of Science and Technology, UP Vigyan Bawan, 9-Nabi Ullah Road, Suraj Kund Park, Lucknow-226018 (**As P.I from 2008**)
- Dissemination of Integrated Nutrient Management Technologies on Vegetable crops for Adoption by the Farmers in a Participatory Rural Appraisal mode by Mission Director, State Horticulture Mission Under National Horticulture Mission Directorate of Horticulture & Food Processing, 2- Sapru Marg, Lucknow, U.P. (**As Co P.I**)

7. Awards/ Recognitions (if any):

2009

- **DARWIN NOW BURSARY AWARD** BY **BRITISH COUNCIL, UK**
- Selected Member of **Young Innovators' Awards Program**, Cairo, **Egypt**
- **BIOVISION NEXT FELLOW** BY **FONDATION SCIENTIFIQUE DE LYON, FRANCE**

2008

- **TWAS NXT AWARD** BY THE **ACADEMY OF SCIENCES FOR THE DEVELOPING WORLD (TWAS), ITALY**
- **CIMOUSEF'2009 BURSARY** BY MOROCCAN ASSOCIATION FOR THE IMPROVEMENT OF THE QUALITY OF EDUCATION (**AMAQUEN**) AND **UNESCO**

2007

- **REGISTRATION BURSARY AWARD** BY **INTERNATIONAL FERTILIZER ASSOCIATION**
- Awarded by **INDIAN CHAMBERS OF COMMERCE**, MALDA CHAPTER for wider publicity and implementation of **SOIL HEALTH MANAGEMENT SCHEME** under Macro Mode, Govt of India

2004

- **REGISTRATION BURSARY AWARD** BY INTERNATIONAL OAT CONFERENCE, **AGRIFORD FOUNDATION, HELSINKI**

2002

- **STUDENT GRANT AWARD** BY **INTERNATIONAL MYCOLOGIST ASSOCIATION (IMC), OSLO**
- **STUDENT BURSARY AWARD** BY **NEW PHYTOLOGIST TRUST, UNITED KINGDOM**

8. List of major Publications: (in order of importance)(if any)

(Performances/ exhibitions in the case of Faculties of Performing Arts and Visual Arts)

Last Five Years

- Rakshit, A** and P.B.S.Bhadoria (2010) Role of VAM on growth and phosphorus nutrition of maize with low soluble phosphate fertilization. *ACTA AGRONOMICA* (ISSN: 0120-2812). 59 (1) 2010, p 119-123
- Sen, D., **Amitava Rakshit**, N C Sarkar, D. C. Ghosh and S.K. Bardhan Roy (2010). Effect of transplanting dates and spacing on yield attributing character, productivity and economics of potato cultivation through true potato seed (TPS) technology. *Italian J. Agron.*5(1)35-42.
- Rakshit, A.**, Kuldeep Singh, Dileep Kumar and Prabhat Kumar (2009) Bioremediation of peri urban areas of Varanasi irrigated with treated sewage water. *New Biotechnology Supplement 1-* pp. S1-S378, 5.0.24(ISSN: 1871-6784, OCLC: 263441733)
- Rakshit, A** (2009) Performance of *Abelmoschus esculentus* L. cv *Arka Anamika* (IIHR Sel 10) grown in New Alluvial Region of West Bengal, India with different locally available Organic Manures. *e-Journal of Science & Technology*(ISSN 17905613) 4(1):17-28
- Rakshit, A** and P.B.S.Bhadoria (2009) Influence of arbuscular mycorrhizal hyphal length on simulation of P influx with the mechanistic model. *African Journal of Microbiology Research* (ISSN: 1996-0808) Vol. 3 (1), pp. 001-004.
- Rakshit, A**, N C Sarkar and Debashish Sen(2008) Influence of organic manures on productivity of two varieties of rice. *Journal of Central European Agriculture* (ISSN 1332-9049) 9(4):629-634.
- Rakshit, A** and P.B.S.Bhadoria (2008) Measurement of Arbuscular Mycorrhizal Hyphal Length and prediction of P influ
- Rakshit, A** and P.B.S.Bhadoria (2008) Indigenous arbuscular mycorrhiza is more important for early growth period of groundnut (*Arachis hypogea*) *Acta agriculturae Slovenica*, 91(2) str. 5 – 14.(DOI: 10.2478/v10014-008-0020-7)
- Bhadoria, P.B.S., **A.Rakshit** and N. Claassen (2005). Phosphorus efficiency of wheat, maize and groundnut grown in low phosphorus-supplying soil. W.J Horst et al (Eds) **Plant Nutrition. Kluwer Pub.** 530-532.
- Sen, D., Mukherjee, A. and **Amitava Rakshit**. (2006). Studies on various growth parameters of twelve wheat genotypes under late sown condition. *Bangladesh J. Agril. Res.* 31 (3): 419 - 429.
- Rakshit, A** and P.B.S.Bhadoria (2007) An Indirect method for predicting activity of root exudates in field grown maize and groundnut in a low P soil *Journal of Indian Society of Soil Science* 55(4):493-499. (NAAS:4)
- Rakshit, Amitava** N. C. Sarkar and R. K. Maity(2008) Implications of genetically engineered crops on soil fertility *LEISA INDIA* 10(02), 27-28
- Mihra, P.K and **Amitava Rakshit** (2008) Consequence of climate change for Indian Agricultural Productivity and land use. *International Journal of Agriculture Environment & Biotechnology* 1(3)160-162 (ISSN 0974-1712)
- Sarkar ,N.C.,A.K.Paul, **A Rakshit** R.K.Maiti and Rualthankhuma (2008) Liquid nutrition , a modern technique for efficient fertilization *International Journal of Agriculture Environment & Biotechnology* 1(3)163-165 (ISSN 0974-1712)
- Kumar, P., **Amitava Rakshit**, D. Sen N. C. Sarkar and D. Kumar (2009) Bioremediation of contaminated soil-what is it? *International Journal of Agriculture Environment & Biotechnology* 2(2)105-109 (ISSN 0974-1712)
- Rakshit, Amitava** and N. C. Sarkar (2009) Fertiliser quality control with quick testing kits *International Journal of Agriculture Environment & Biotechnology* 2(2)188-189 (ISSN 0974-1712)
- Triyugi Nath, Priyankar Raha and **Amitava Rakshit** (2009) Quality of underground water with a special reference to selenium in Varanasi district of Uttar Pradesh. *International Journal of Agriculture Environment & Biotechnology* 2(3):278-283(ISSN 0974-1712)
- Amitava Rakshit**, N.C. Sarkar, and R. K. Maiti (2009) Diagnosis of soil acidity and alkalinity problem in crop *International Journal of Agriculture Environment & Biotechnology* 2(4)478-479 (ISSN 0974-1712)
- Rakshit, Amitava**, N. C. Sarkar and R.K.Maiti (2009) Managing Salt-affected Soils for crop cultivation *International Journal of Agriculture Environment & Biotechnology* 2(4)480-483 (ISSN 0974-1712)