



1. Name : **Dr. Priyankar Raha**
2. Designation: **Professor**
3. Academic Qualifications:

Sr.	Degree	Institution	Year
1.	Ph.D.	B.C.K.V., West Bengal	1990
2.	Diploma in Dist. Education	IGNOU, New Delhi	1989
3.	M.Sc. (Ag.)	B.C.K.V., West Bengal	1984
4.	B.Sc. (Ag.)	B.C.K.V., West Bengal	1982
5.	Intermediate	W.B. Council of Higher Sec. Education	1978
6.	High School	W.B. Board of Secondary Education	1976

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

**Pesticide Residues / Natural Product Chemistry**

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6. Projects Undertaken as PI/ Co PI( if any): Completed:3 & In hand: 2
7. Awards/ Recognitions (if any):  
(i) Fellow: Indian Society of Agricultural Biochemists, November, 2006  
(ii) Fellow: Crop and Weed Science Society, June, 2010
8. List of major Publications: 46

## RESEARCH PAPERS/ARTICLES/CHAPTER IN BOOK

### ***I. Pesticide Residue***

- Chowdhury, A., Raha, P., Barua, A.S., and Bedi, S. Studies on pendimethalin residues occurring in post harvest rice and wheat *Pestology* (New Delhi, India), Vol X, No. 3, 5-6 1986.**
- Halder, P., **Raha, P.**, Bhattacharya, P., Chowdhury, A., and Adityachawdhury, N. Studies on the residues of DDT and endosulfan occurring in Ganga water. *Indian Journal of Environmental Health* (NEERI, C.S.I.R., India), **31** (2), 156-161,1989.
- Banerjee, H., **Raha, P.**, Chowdhury, A., Das, A.K. and Adityachaudhury, N. Studies on the residual fate and dissipation of malathion, ' methylparathion and quinalphos in paddy under West Bengal climatic condition. *Tropical Pest Managefment* (Taylor and Francis Ltd., U.K. London), **35** (4), 366-369, 1989.
- Raha, P.**, Banerjee, H., Das, A.K. and Adityachudhury, N. Persistence kinetics of endosulfan, fenvalerate and decamethrin in and on Egg plant (*Solanum melongena*. L). *Journal of Agricultural and Food Chemistry* (American Chemical Society, Columbus, USA) **41** 923-928, 1993.

5. Chowdhury, A., **Raha, P.**, Guha, P. Kole R., Baneree, H. and Das, A.K. Effect of Pesticides on the Ulcerative disease syndrome of fish - a case study. *Pollution Research* (Environmedia New Delhi, India), **13** (2), 161-167, 1994.
6. Nayak, A.K., **Raha, P.** and Das, A.K. Organochlorine Pesticide residues in middle stream of the Ganga water. *Bulletin of Environmental Contamination and Toxicology* (Springer Verlag, New York, USA) **54** (1), 68-75, 1995.
7. **Raha, P.**, Agarwal, N.R. and Samanta, S. Organochlorine Pesticide Residues in Mother's Milk. Chapter in **book** entitled Green Pesticides Crop Protection and Safety Evaluation, Eds. N.P. Agnihorti, S. Walia and V.T. Gajbhiya, Society of Pesticide Science, India, 1999, pg. 231-234.
8. **Raha, P.**, Singh S.K. and Banerjee, H. Pesticide residues in ground water in world oldest existing civilized city, Varanasi. *Indian Journal of Agril. Environment & Biotechnology*, 2003, Vol. I(2), 94-107.
9. Singh, S.K., **Raha, P.** and Banerjee, H. Banned organochlorine cyclodiene pesticides in ground water in Varanasi, India. *Bulletin Environmental Contamination and Toxicology* (Springer Verlag, New York, USA), 2006, 76, 935-941.
10. **P. Raha**. Pesticide residues in the Gangetic plains of India. Seminar on the Management of Agrochemical Residues in Food, Country presentation, Asian Productivity Organization, Taichung, TACTRI, TAIWAN, October 1-5, 2007, pg. 1-19.

## II. Photodegradation of Pesticide

11. Halder, P., Barua, A.S., **Raha, P.**, Biswas, B., Pal, S., Bhattacharya, A., Bedi, S. and Chowdhury A. Studies on the photodegradation of pendimethalin in solvents and in Kalyani soil, *Chemosphere* (Pergamon Press, U.K.). **18** (7/8), 1611-1619, 1989.
12. **Raha, P.** and Das, A.K. Photodegradation of Carbofuran. *Chemosphere* (Pergamon Press U.K.) **21** (1/2), 99-106, 1990.
13. Bhattacharya, A., **Raha P.**, Das, A.K. and Adityachawdhury, A. Studies on the photodegradation of carbofuran. *Chemosphere* (Pergamon Press, U.K.), **29** (2), 155-162, 1994.

## III. Phytochemistry

14. **Raha, P.**, Banerjee, H., Pal, S. and Das, A.K. Occurrence of three 5-hydroxy flavones in *Clerodendron scandens* and *Clerodendron inerme* (Linn), *Indian Journal of Chemistry*, Section B (C.S.I.R., New Delhi, India), **28** B (10) 874, 1989.
15. **Raha, P.**, Das, A.K., Adityachawdhury, N. and Majumdar, P.L. Cleroinermin, a neo-clerodane diterpenoid from *Clerodendron inerme*, *Phytochemistry* (Pergamon Press, U.K.). **30** (II). 3812-3814, 1991.
16. **Raha, P.**, Das, A.K., Saha, J. and Chowdhury, S. Antifungal activity of the extracts and isolated constituent of *Clerodendron inerme* (Linn). Chapter in **book** entitled Pesticides, crop protection and environment, Eds S. Walia and B.S. Parmar. Oxford and IBH Publisher Co. Pvt. Ltd., New Delhi/Caclutta, 401-404, 1996.
17. Yadav, P.K., Singh, A.P., **Raha, P.** and Kumar Sanjai. Content and quality of bran oil of Indian rice cultivars. *Indian Journal of Agricultural Biochemistry*, 2004, 17(2), 2004.
18. **Raha, P.**, Singh, A.P. and Yadav, P.K. Effect of temperature and preservatives on stabilization of rice bran. *Crop Research* 2006, 32(1), 40-43.

## IV. Soil-Pesticide-Fertilizer Interaction

19. Gupta, C.B. and **Raha, P.** Effect of pesticides on enzymatic activities and nitrogen mineralization in soils. *Indian Journal of Agril. Chemistry*, 2003, XXXVI(2), 71-79.
20. **Raha, P.**, Panda, N. and Nandkishor. Low molecular weight aliphatic acids in some soils of Jaunpur, Uttar Pradesh. *Annals of Plant and Soil Research*, 2005, **7**(2), 203-204.

21. Singh, A.P. **Raha, P.** and Yadav, P. Effect of sulphur manganese on content and quality of rice bran oil. *Indian Journal of Agricultural Biochemistry*, 2005, **18**(1), 19-23.
22. Yadav, P.K., Singh, A.P., **Raha, P.** and Kumar Sanjai. Integrated nutrient management in wheat under reduced and conventional tillage systems after rice cultivation. *Crop Research*, 2006, **32**(2), 11-15.

#### V. Articles

23. Nayak, A.K., Mangaraj, B.N. and **Raha, P.** Slow release nitrogenous fertilizer. *Farmer and Parliament*, Feb. 1994, Pg. 17-18.
24. Nayak, A.K., Rath, S. and **Raha, P.** Uses of Remote sensing in agriculture, *Yojana*, **40** (5), 6-7 1996.
25. Nayak, A.K., Raha, P and Rath, S. Pesticide Pollution in the Ganges -A case study, *Kisan World*, 1997, **24** (6), 36-37.
26. **Raha, P.** The Current Scenario of Pesticide use in India and its Social Impact. Chapter in **book** entitled '*Social Transformation in Rural Sector*', Eds. D. Das Gupta and S. Choudhury, Viswa Bharati, 2001, pp. 132-138.
27. **Raha, P.** Pesticides in soil and water. XXXVI Annual Convention of Indian Soc. of Ag. Chemists and Sym. on Maximizing the efficiency of fertilizers, biofertilizers and Pesticides in Agriculture Feb. 6-8, 2003, Souvenir, pp. 30-32.
28. **Raha, P.** Safe use of pesticides, Chapter in **book** entitled 'Communication Support for Sustainable Development', Eds. D. De and B. Jirli, Ganga Kaveri Publishing House, 2004, Page 258-262.
29. **Raha, P.** Effect of pesticides on soil biochemical processes. XXXVII Annual Convention of ISAC and Sym on 'Pesticide Chemistry, *Agriculture Interface : New Frontiers*, Nov. 27-28, 2004, Souvenir, pp. 26-29.
30. Panda, N., **Raha, P.** Soil Enzymes : Concepts & relevance in soil health. *Agrobios Newsletter*, 2005, Vol. 3, No. XI, Page 20-22.
31. Panda, N., **Raha, P.** and Ray, M. Organic Agriculture : Science and belief. *Agrobios Newsletter*, 2005, Vol. IV, No. 4, Page 19-20.
32. Joshi, A.K., Arun, B., Chand, R., Chandola, V.K., Ram Krishna, K., Prasad, L.C., Srivastava, C.P., **Raha, P.** and Tripathi. Zero/ reduced tillage/bed planting/surface managed crop residue systems – opportunities for crop genetic enhancement. Chapter in **book** entitled Conservation Agriculture – status and prospects, eds., I.P. Abrol, R.K. Gupta and R.K. Malik, Centre for Advancement of Sustainable Agriculture, 2006, Page 114-123.
33. Panda, N., **Raha, P.** and Singh, A.P. Soil Quality : Concepts and applications. *Agrobios Newsletter*, 2006, Vol. IV, No. 12, Page 46-48.
34. Ajeet Kumar, Maurya, B.R. and **Raha, P.** Microbila dissolution of insoluble phosphorus, *Agricultural update*, 2007, Vol. 2(1), 35-36.
35. Raha, P. and Panda, N. Effect of glyphosate on potential ammonium oxidation in an Indo-Gandetic Alluvial soil. *Pesticide Research Journal (Special issue)*. 20 (2A): 18-21, 2008
35. Triyugi Nath, Raha, P. and Rakshit, A. Quality of underground water with a special reference to selenium in Varanasi district of Uttar Pradesh. *Inst. J. Agric. Environ. & biotechl.*, 2009, 2(3), 278-283.

#### VI. Research Project Report

36. Singh, A.P., **Raha, P.** and Yadav, P.K. Effect of S and Mn on content and quality of bran oil of different rice varieties. I.C.A.R. Ad-hoc Project, Final Progress Report, 19th October, 2004.
37. Singh, A.P., **Raha, P.**, Sen, A., Singh, R.P. and Dash, D. Assessment and improvement of soil quality and resilience for rainfed production system, I.C.A.R. NATP Project, Final Progress Report, 18th June, 2004.
38. Singh, A.P., Maurya, B.R., **Raha, P.**, Yadav, J. and Ahmed, I. Determination of nitrous oxide emission and crop yield through use of neem coated urea in different crops under

varying soil condition vs normal urea. Indo-Gulf Fertilizers, Ad-hoc Project, Annual Report, 12<sup>th</sup> July, 2007.

**Book**

Amitava Rakhshit, **Priyankar Raha** and Nirmal De : Manure, Fertilizer and agrochemical – Theory and Applications, Text Book (ICAR) under process (applied on 06-10, 2007)

9. Additional Information/ Achievements (if any):  
Foreign visit (seminar cum workshop) : TAIWAN, October, 2007  
Sponsored by Asian Productivity Organization (APO), Tokyo