



CENTRAL INLAND FISHERIES RESEARCH INSTITUTE
(Indian Council of Agricultural Research)
Barrackpore, Kolkata – 700 120, West Bengal



Name : Dr Srikanta Samanta

Designation : Principal Scientist

Academic Background : Ph. D. – Agricultural Chemicals (IARI)
M.Sc. – Agricultural Chemistry & Soil Science (BCKV)

Discipline : Soil Science

Total Research Experience (year): 21 Years

Research Focus : Study on Aquatic Health, Aquatic Pollution, Water and Sediment Chemistry

Current area of Research : Study on Aquatic Health, Aquatic Pollution, Water and Sediment Chemistry

Academic contributions : Guided PG (Dissertation as Co-guide): 03
(Among them 1 on role)
Ph.D : 01 (on role)

Awards & Recognitions :



- Gold Medal for best performance in Senior Scientists presentation by the Zoological Society of India during the All India Congress of Zoology held at Kolkata during 21 – 23 December, 2010.
- Young Scientist Award, 1995 of Indian Science Congress Association, Calcutta in Agricultural Sciences.
- Merit (Gold) Medal Award, 1995 of IARI, New Delhi, for outstanding performance during Ph.D. program.
- Certificate of Merit, 1988 of BCKV, West Bengal for securing 1st position during M.Sc. (Ag.) program.

- As a research group received second best poster award for the presentation - Mohanty B. P., Banerjee S., Choudhury A. N., Sadhukhan P., Golder D., Bhattacharjee, S., Bhowmick, S., Sahoo, P. K. and Samanta S. 2012. Behavioural, gross, histopathological and tissue protein profile changes in Rohu, *Labeo rohita* (Hamilton) on short-term exposure to arsenic. In International workshop on “Arsenic in the food chain : cause, effect and mitigation” organized by DNGM Research Foundation and Bidhan Chandra Krishi Viswavidyalaya on 20th February, 2012 in Salt lake, Kolkata.
- As a research group received best presentation award for the presentation - Golder, D.; Manna, S. K. and **Samanta S. (2008)** Arsenic reducing bacteria in aquatic environments. In Book of Abstracts – 8th Indian Fisheries Forum. Organised by Asian Fisheries Society Indian Branch, Central Inland Fisheries Research Institute and Inland Fisheries Society of India, Barrackpore. November, 22-26, 2008, Kolkata. p 97-98.

No. of Publications :

National	:	17 in Journals published from India 21 Book Chapters 06 Books / Bulletins
International	:	05 in Journals published from other Country

List of Important 10 (ten) publications :

1. Samanta, S. **(2013)** Metal and pesticide pollution scenario in Ganga River system. *Aquatic Ecosystem Health and Management*. **16** (4) : 454–464.
2. Vass, K. K.; Das M. K.; Tyagi R. K.; Katiha, P. K.; **Samanta, S.**; Srivastava, N. P.; Bhattacharjya, B. K.; Suresh V. R.; Pathak, V.; Chandra, G.; Debnath, D. and Gopal, B. 2011. Strategies for sustainable fisheries in the Indian part of the Ganga-Brahmaputra river basin. *Int. J. Env. Sci.* 37 (4) : 157 – 218.
3. Vass, K. K.; Mondal, S. K.; **Samanta, S.**; Suresh V. R. and Katiha P. K. **(2010)** The Environment and fishery status of the river Ganges. *Aquatic Ecosystem Health and Management* **13** (4) : 385-394.
4. **Samanta, S.**, Chandra, K., Manna, S. K. and Saha, K. **(2007)** Sediment status of the Hooghly and Haldi estuaries at Haldia industrial area with special reference to trace metals. *J. Indian Soc. Soil Sc.* **55**(3) : 349-359.
5. Manna, S. K.; Som, A. B. and **Samanta, S. (2006)** Water alkaline phosphatase activity and phosphorus availability during summer in inland water bodies. *Indian J. Fish.* **53** (2) : 167 - 173.

6. **Samanta, S. (2006)** Organochlorine pesticide residues in fish of river Ganga in West Bengal. *Pestic. Res. J.* **18** (1) : 104 - 108.
7. Das M. K. and **Samanta, S. (2006)**. Application of an index of biotic integrity (IBI) to fish assemblage of the tropical Hooghly estuary. *Indian J. Fish.* **53** (1) : 47 - 57.
8. **Samanta, S.**; Mitra, K.; Chandra, K., Saha, K., Bandyopadhyay, S. and Ghosh, A. **(2005)** Heavy metals in water of the rivers Hooghly and Haldi at Haldia and their impact on fish. *J. Environ. Biol.* **26** (3): 517-523.
9. **Samanta, S.** and Roy, N.K. **(1998)** Synthesis, fungi toxicity and QSAR study of O,O-bis (aryl) iso-butyl phosphonates. *Indian Journal of Chemistry* **37 B** : 564-571.
10. Mukhopadhyay, M. K.; Mitra, K.; **Samanta, S.**; Dutta, T.; Biswas, D. K. and Saha, K. **(2003)** Optimum pH for fish – a laboratory study with Indian major carp, *Labeo rohita*. *Geobios* **30** : 125-128.

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