



National Bureau of Fish Genetic Resources
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Name Dr Prem Prakash Srivastava
Designation Senior Scientist
Date of birth 23rd April, 1963
Professional experience 21 years in ICAR System
Qualification M.Sc. (Biochemistry), Ph.D.,
Diploma in Computer Programming
(DCP), Post – Graduate Diploma in
Bioinformatics



Current area of Research Nutrient – Gene interaction

Area of Research Expertise

- Fish Nutritional Research
- Fish Feed Technology
- Fish Biochemistry
- Nutrient - Gene interaction

Awards/ Recognitions

- **Young Scientist Award** (National Academy of Sciences, India - Swarn Jayanti Puruskar (1998).
- **Dr. Heera Lal Choudhary Team award** for Best Division (Nutrition and Biochemistry), 2001 – 02.
- **Dr. Zahoor Qasim Gold Medal award** for Contribution in Fish Nutrition and Biochemistry for the year 2001.
- **Young Scientist Associate award** for Contribution in Fish Nutrition and Biochemistry for the year 2008-09 from BIOVED Research Society, Allahabad.

Publication (no.)

- Research papers 32
- Reviews Nil
- Books 1
- Book Chapters 26
- Popular articles 13
- Others Manuals) 8

Important Research Publications

Jain K K, Sinha A, **Srivastava P. P.** and Berendra D K (1994). Chromium (Cr) element : An efficient growth enhancer to Indian major carp, *Labeo rohita*. *J. of Aquaculture in Tropics*. **9(1)**: 49-54.

Srivastava P. P. and Jain K K (1994). Effect of vitamin E (α -Tocopherol) on protein content of *Labeo rohita* (Ham.) fry. *J. Indian Fish. Assoc.*, **24**: 139-143.

- Srivastava P P** and Parihar A S (1997). Preliminary growth studies on the use of soylecithin in the diet of freshwater prawn, *Macrobrachium rosenbergii*, post larvae. *Science Letters*, Vol. **20(1&2)** : 22-26.
- Rizvi S I, **Srivastava P P** and Zaid M A (1998). Erythrocyte osmotic fragility in different vertebrate species. *Science Letters*, Vol. **21(7&8)** : 261-264.
- Rizvi S I and **Srivastava P P** (1999). Protective effect of Capsaicin on the osmotic fragility of erythrocytes. *Ind. J. Experimental Biol.*, Vol. **37** : 835-836.
- Srivastava P P** (2000). Erythrocyte membrane Ca^{2+} - ATPase activity and phospholipids in thermal acclimated air-breathing fish, *Channa punctatus*. *Science Letters*, Vol. **23** (1 & 2) : 30-33.
- Metar S Y, **Srivastava P P**, Jain K K, Maush S M and Raizada S (2003). Studies on the effect of vitamin D₃ on growth and moulting of *M. rosenbergii*. *J. Indian Fish. Ass.* **30**: 121-130.
- Barse A V, Jadhao S B, Sahu N P, **Srivastava P P**, Jain K K and Pal A K (2004). Responses of *Labeo rohita* to dietary *Lathyrus sativus*. *Asian – Australian J. Animal Sciences*, **17** (1) : 127-130.
- Tandon S S, **Srivastava P P**, Mukherjee S C and Saharan N (2005) Acute toxicity of synthetic pyrethroids to Indian major carp, *Catla catla* L. *Bull. Environ. Contam. Toxicol.* (New York) **74**: 610-613.
- Saharan N, **Srivastava P P** and Prakash C and Dureja P (2004). Histopathological alterations in kidney, liver and gill of *Labeo rohita* caused by sub-lethal exposures to chloropyriphos and metabolites *J. of Applied Fisheries and Aquaculture IV (2)* : 11-16.
- Panserat S, Ducasse-Cabanot S, Plagnes-Juan E, Srivastava P P, Kolditz C, Piumi F, Esquerré D, Kaushik S (2008). Dietary fat level modifies the expression of hepatic genes in juvenile rainbow trout (*Oncorhynchus mykiss*) as revealed by microarray analysis. *Aquaculture* **275** : 235–241
- Yaraguntappa B, Prasad D T, Rani K, Shankarnyarayana K P, Naika U D, Jahageerdar S, **Srivastava P P**, Penman D J and Mair G C (2007). Genetic diversity in common carp stocks assayed by random-amplified polymorphic DNA markers *Aquaculture Research* **38 (2)**: 147 – 155
- Y. Basavaraju, H.M. Mohankumar, S. Pradeep Kumar, Umesha D., **Srivastava P P**, Penman D J, and Mair G. C. (2008). Production of Genetically female common carp, *Cyprinus carpio*, through sex reversal and progeny testing. *Asian Fisheries Science*, **21** : 355 - 368
- Asimi O A, **Srivastava P P** and Shah T H (2009) Response of giant gaurami (*Colisa fasciatus*) to melanophore incorporation in feed. *J. Inland Fish. Soc., India.* **41(2)** : 59 – 63.