



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



1. Name : **Sona Yengkokpam**
2. Designation : Scientist
3. Academic Background : M.F.Sc. and Ph.D. (Fish Nutrition and Biochemistry) (CIFE, Mumbai)
4. Discipline : Aquaculture
5. Total Research Experience (year) : 6+
6. Research Focus : Fish nutrition, compensatory growth and fish physiology
7. Current area of Research : Enclosure aquaculture in wetland; stress in aquaculture
8. Academic contributions : PhD (co-guide) – 1.
9. Awards & Recognitions :
 - (i) **“Second Best Poster Award”** for the paper entitled ‘Possible impact of climate change on fisheries ecology of river Brahmaputra’ at the International Conference on “Climate Change and Water: Assessing vulnerability, impact and adaptation in the Eastern Himalayas”, organized by Indian Institute of Technology, Guwahati during January 3-5, 2011.
 - (ii) **“Young Scientist Award 2008”** presented by the Asian Fisheries Society (Indian Branch) for the paper entitled “Short term periodic starvation in *Labeo rohita* fingerlings: Effect on growth and health” in the 8th Indian Fisheries Forum held at Kolkata during November 22-25, 2008.
 - (iii) **‘Best Poster Award’** in the Seventh Indian Fisheries Forum held in Bangalore during 8-12 November, 2005.
 - (iv) **Reviewer** of International journals (Aquaculture and Aquaculture International.).
 - (v) **Institutional fellowships** from the Central Institute of Fisheries Education (ICAR), Mumbai, India, during 2001-2003 (for MFSc) and 2003-2006 (for PhD).
 - (vi) **Merit scholarship** for the year 2000-2001 from College of Fisheries, Mangalore (under the then University of Agricultural Sciences, Bangalore).
 - (vii) **National Merit Scholarship** from 1994-2000.
 - (viii) **Gold medalist** (three gold medals conferred) for being the topper in Bachelor’s (BFSc) programme of College of Fisheries, Mangalore (under the then University of Agricultural Sciences, Bangalore).
 - (ix) **Fifth position** (5th) in the state of Manipur in Matriculation Exam.
10. No. of Publications : 20
National : 5



International : 15

11. List of Important 10 (ten) publications :

- (i) S. Yengkokpam, N.P. Sahu, A.K. Pal, D. Debnath, S. Kumar, K.K. Jain, 2014. Compensatory growth, feed intake and body composition of *Labeo rohita* fingerlings following feed deprivation. ***Aquaculture Nutrition*** 20: 101-108.
- (ii) Muthappa, N.A., Gupta, S., Yengkokpam, S., Debnath, D., Kumar, N., Pal, A.K., Jadhao, S.B., 2014. Lipotropes promote immuno-biochemical plasticity and protect fish against low dose pesticide-induced oxidative stress. ***Cell Stress and Chaperones*** 19: 61-81.
- (iii) Yengkokpam, S., Debnath, D., Pal A.K., Sahu, N.P., Jain, K.K., Norouzitallab, P. and Baruah, K., 2013. Short-term periodic feed deprivation in *Labeo rohita* fingerlings: effect on the activities of digestive, metabolic and anti-oxidative enzymes. ***Aquaculture*** 412-413: 186-192.
- (iv) S. Yengkokpam, A.K. Pal, N.P. Sahu, K.K. Jain, R. Dalvi, S. Misra, D. Debnath, 2008. Metabolic modulation in *Labeo rohita* fingerlings during starvation: Hsp70 expression and oxygen consumption. ***Aquaculture*** 285: 234-237.
- (v) D. Debnath, A.K. Pal, N.P. Sahu, S. Yengkokpam, K. Baruah, D. Choudhury and G. Venkateshwarlu, 2007. Digestive enzymes and metabolic profile of *Labeo rohita* fingerlings fed diets with different crude protein levels. ***Comparative Biochemistry and Physiology B*** 146: 107-114.
- (vi) D. Debnath, A.K. Pal, N.P. Sahu, K. Baruah, S. Yengkokpam, T. Das and S.M. Manush, 2006. Thermal tolerance and metabolic activity of yellowtail catfish *Pangasius pangasius* (Hamilton) advanced fingerlings with emphasis on their culture potential. ***Aquaculture*** 258: 606-610.
- (vii) Dipesh Debnath, A.K. Pal, N.P. Sahu, K.K. Jain, Sona Yengkokpam and S.C. Mukherjee, 2005. Effect of dietary microbial phytase supplementation on growth and nutrient digestibility of *Pangasius pangasius* (Hamilton) fingerlings. ***Aquaculture Research*** 36: 180-187.
- (viii) Dipesh Debnath, N.P. Sahu, A.K. Pal, K.K. Jain, Sona Yengkokpam and S.C. Mukherjee, 2005. Mineral status of *Pangasius pangasius* (Hamilton) fingerlings in relation to supplemental phytase: Absorption, whole body and bone mineral content. ***Aquaculture Research*** 36: 326-335.
- (ix) S. Kumar, N.P. Sahu, A.K. Pal, Dharitri Choudhury, Sona Yengkokpam and S.C. Mukherjee, 2005. Effect of dietary carbohydrate on haematology, respiratory burst activity and histological changes in *L. rohita* juveniles. ***Fish and Shellfish Immunology*** 19: 331-344.
- (x) S. Yengkokpam, N.P. Sahu, A.K. Pal, S.C. Mukherjee and Dipesh Debnath, 2007. Gelatinized carbohydrates in the diets of *Catla catla* fingerlings: effects of levels and sources on nutrient utilization, body composition and tissue enzyme activities. ***Asian-Australasian Journal of Animal Sciences*** 20: 89-99.

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