



**Dr. Lakshman Sahoo**

**Scientist**

Mob-

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<b>Date of Birth</b>	7 <sup>th</sup> March, 1974
<b>Sex</b>	Male

## Academic qualifications

25 Years of Dedicated service to the nation

<b>1.</b>	M. Sc. (2001) in Animal Biotechnology from National Dairy Research Institute, Karnal, India.
<b>2.</b>	B.V. Sc. & A.H. (1997) in Veterinary Science & Animal Husbandry from Orissa University of Agriculture and Technology, Bhubaneswar, Odisha, India.

<b>Academic awards</b>	<ul style="list-style-type: none"> <li>• University fellowship at O.U.A.T (1992-1997).</li> <li>• N.D.R.I. Junior research fellowship (1999-2001)</li> <li>• I.C.M.R. Junior research fellowship (2001)</li> <li>• C.S.I.R. NET qualified (2001)</li> </ul>
<b>Research Experiences</b>	<ul style="list-style-type: none"> <li>• Fish Genetics and Biotechnology</li> </ul>
<b>Current Research Interests</b>	<ul style="list-style-type: none"> <li>• Development of DNA marker technology in Fish and Shellfish</li> <li>• Quantitative Trait Loci analysis</li> <li>• Fish and Shellfish Genomics</li> </ul>
<b>Current Research Projects</b>	<ol style="list-style-type: none"> <li>1. First generation linkage map in <i>labeo rohita</i> (rohu): a potential genomic resource for identification of trait associated genes.</li> <li>2. Development of molecular marker-based seed identification system of cultured carps (cyprinidae).</li> <li>3. Development of Parentage analysis system and genomics resource in rohu and <i>M. rosenbergii</i>.</li> <li>4. Development of selection index for growth &amp; FCR for Jayanti rohu.</li> <li>5. Stock evaluation of <i>Catla catla</i> for establishment of base population and selective breeding of rohu for two traits (growth and disease resistance against aeromoniasis).</li> <li>6. Stock evaluation of Indian river prawn, <i>Macrobrachium malcolmsonii</i> (H. Milne Edwards, 1844) from different geographical locations of India.</li> </ol>
<b>Completed Projects</b>	<ol style="list-style-type: none"> <li>1. Development of DNA markers in <i>Macrobrachium rosenbergii</i> and parentage analysis of Jayanti rohu.</li> <li>2. DNA barcoding in Indian Major carps.</li> </ol>
<b>Publications</b>	<ol style="list-style-type: none"> <li>1. DILLIP BEJ, <b>L. SAHOO</b>, SUBRAT SWAIN, SOFIA P. DAS, P. DAS, P. JAYASANKAR, B. K. CHOUDHARY, P.C. DAS, P. ROUT RAY, S.K. SWAIN, J.K. JENA A.E. EKNATH AND W.S. LAKRA (2012). Complete mitochondrial genome sequence of <i>Labeo rohita</i> (Cypriniformes, Cyprinidae) Accepted.</li> </ol>

	<ol style="list-style-type: none"> <li>2. Tapan Kumar Sahoo, <b>Lakshman Sahoo</b>, Laxmi Narayan Sarangi, Susen Kumar Panda, Hemanta Kumar Panda (2012). Prevalence, Isolation, Characterisation and Antibiogram Study of Pathogenic <i>Escherichia coli</i> from Different Poultry Farms of Odisha. Journal of Advanced Veterinary Research Volume 2 (2012) 169-172.</li> <li>3. S. K. Dash, N. Barik, A. K. Dash, <b>L. Sahoo</b> and R. C. Mohanty (2010). Effect of parity, sex and season of birth on body weight of Ganjam sheep under field condition. J. Res. Orissa univ. Agric. Tech. 28 (1&amp;2) 119-127</li> </ol>
<p><b>Abstract Presented</b></p>	<ol style="list-style-type: none"> <li>1. PALLIPURAM JAYASANKAR, LAKSHMAN SAHOO, PARAMANANDA DAS AND AMBEKAR E. EKNATH. Application of DNA barcoding for species identification and phylogenetic relationship of cultured Indian carps (Pisces; Cypriniformes, Cyprinidae). Asian pacific Aquaculture-2011, Kochi, India, January 17-20, 2011, PP-</li> <li>2. DILLIP BEJ, L. SAHOO, SUBRAT SWAIN, SOFIA P. DAS, P. DAS, P. JAYASANKAR, B. K. CHOUDHARY, P. C. DAS, P. ROUT RAY, S.K. SWAIN, J. K. JENA A. E. EKNATH AND W. S. LAKRA. Mitochondrial genome sequences of Indian major carp, <i>Labeo rohita</i>. X Agricultural Science Congress, NBFGR, Lucknow, 10-12 February, 2011, PP-463.</li> <li>3. B. P. SAHU, A. PATEL, L. SAHOO, P. DAS, P. K. MEHER and P. JAYASANKAR. Rapid and cost effective development of SSR markers in Indian major carp, <i>Labeo rohita</i> using next generation sequencing. 9<sup>th</sup> Indian Fisheries Forum, December 19 – 22, 2011, PP-221.</li> <li>4. DILLIP BEJ, L. SAHOO, SUBRAT SWAIN, SOFIA P. DAS, P. JAYASANKAR and P. DAS. Complete mitochondrial genome sequence of Indian major carps: A phylogenetic consideration. 9<sup>th</sup> Indian Fisheries Forum, December 19 – 22, 2011, PP-231.</li> <li>5. P. MOHANTY, K. PARIDA, L. SAHOO and P. DAS Development of polymorphic EST-SSR markers in <i>M. rosenbergii</i> by data mining. 9<sup>th</sup> Indian Fisheries Forum, December 19 – 22, 2011, PP-210.</li> </ol>