

Name	DR. DILIP KUMAR BEJ	
Designation	Assistant Professor of Zoology	
Education Qualification	M. Sc., M. Phil., Ph. D.	
Year of Passing M. Phil	2007	
Year of Award Ph. D.	2017	
Special Paper in P.G.	Biochemistry & Molecular Biology	
Date of Birth		
Mob. No.	8895301368	
Date of Joining in Govt. Service		
Research Publication in Journals	<p><b>Bej, D.</b>, Miyoshi, K., Hattori, R. S., Strussmann, C. A., Yamamoto, Y. (2017) A duplicated, truncated <i>amh</i> gene is involved in male sex determination in an old world silverside. <i>Genes, Genomes, Genetics</i> 7(8): 2489-2495.</p> <p>2. <b>Bej, D.</b>, Sahoo, L., Das, S. P., Swain, S., Jayasankar, P., Das, P.C., Routray, P., Swain, S.K., Jena, J.K., Das, P. (2012) Complete mitochondrial genome sequence of <i>Catla catla</i> and its phylogenetic consideration. <i>Molecular Biology Reports</i> 39(12): 10347-10354.</p> <p>3. <b>Bej, D.</b>, Sahoo, L., Das, S. P., Swain, S., Jayasankar, P., Das, P. (2013) Complete mitochondrial genome sequence of <i>Cirrhinus mrigala</i> (Hamilton, 1822). <i>Mitochondrial DNA</i> 24(2): 91-93.</p> <p>4. <b>Bej, D.</b>, Sahoo, L., Das, S. P., Swain, S., Jayasankar, P., Das, P.C., Routray, P., Swain, S.K., Jena, J.K., Das, P. (2012) Complete mitochondrial genome of <i>Labeo rohita</i>. <i>Mitochondrial DNA</i>: 23(6): 441-443.</p> <p>5. Das, S. P., <b>Bej, D.</b>, Swain, S., Mishra, C. K., Sahoo, L., Jena, J. K., Jayasankar, P., Das, P. (2013) Population divergence and structure of <i>Cirrhinus mrigala</i> from peninsular rivers of India, revealed by mitochondrial cytochrome <i>b</i> gene and truss morphometric analysis. <i>Mitochondrial DNA</i> 25 (2): 157-164.</p> <p>6. Das, S. P., <b>Bej, D.</b>, Swain, S., Das, P., Chaudhary, B.K., Jena, J.K., Routray, P., Swain, S.K., Das, P.C., Jayasankar,</p>	

	<p>P. (2013) Comparative and evolutionary analysis of mitochondrial genes in Indian major carps. <i>Biochemical Systematics and Ecology</i> 47: 56–73.</p> <p>7. Swain, S. K., <b>Bej, D.</b>, Das, S. P., Sahoo, L., Jayasankar, P., Das, P. C., Das, P. (2014) Genetic variation in <i>Labeo fimbriatus</i> (Cypriniformes: Cyprinidae) populations as revealed by partial cytochrome b sequences of mitochondrial DNA. <i>Mitochondrial DNA</i>. 27 (3): 1986-1990.</p> <p>8. Das, S. P., Swain, S., <b>Bej, D.</b>, Jayasankar, P., Jena, J. K., Das, P. (2015) Length–weight relationships of four Cyprinid species in India. <i>Journal of Applied Ichthyology</i> 31 (3): 583-584.</p> <p>Swain, S., Das, S. P., <b>Bej, D.</b>, Patel, A., Jayasankar, P., Das, P. C., Das, P. (2012) Isolation and characterization of sixteen microsatellite loci for fringe-lipped carp, <i>Labeo fimbriatus</i>. <i>Conservation Genetics Resources</i> 4: 913–915.</p> <p>10. Sahoo, L., Swain, S. K., <b>Bej, D.</b>, Das, S. P., Jayasankar, P., Das, P. (2015) Complete mitochondrial genome sequence of <i>Labeo fimbriatus</i> (Bloch, 1975). <i>Mitochondrial DNA</i> 27 (6): 4019-4020.</p> <p>11. L. Sahoo, Sahu, B. P., Das, S. P., Swain, S. K., <b>Bej, D.</b>, Patel, A., Jayasankar, P., Das, P. (2014) Limited genetic differentiation in <i>Labeo rohita</i> (Hamilton 1822) populations as revealed by microsatellite markers. <i>Biochemical Systematics Ecology</i> 57: 427-431</p> <p><b>Bej, D.</b>, Das, S. P., Swain, S., Jayasankar P., Das, P. (2013) Utility of mitochondrial ATPase 8 gene sequence in identification of Indian carps. <i>Journal of Aquaculture</i> 21: 9-1</p> <p>2. Das, S.P., <b>Bej, D.</b>, Swain, S., Jena, J.K., Das, P. (2012) Relative age and growth of Indian major carp, <i>Cirrhinus mrigala</i>, from peninsular rivers of India. <i>Journal of Aquaculture</i> 20: 35-43.</p> <p>3. Swain, S., Das, S. P., <b>Bej, D.</b>, Patel, A., Jayasankar, P., Chaudhary, B. K., Jena, J. K., Routray, P., Swain, S. K., Das, P. C., Lakra, W. S., Das, P. (2013) Evaluation of genetic variation in <i>Labeo fimbriatus</i> populations using heterologous primers. <i>Indian Journal of Fisheries</i>: 60 (1): 29-35.</p>
Books	
Research Projects ongoing and completed	

Refresher / Orientation  
/Seminar Programmes  
Participated

1) "Isolation of two *amh* homologues in marine Atheriniform: *Hypoatherina tsurugae*" - by Dilip Bej, Miyoshi Kaho, Ricardo S. Hattori, Yoji Yamamoto and Carlos A. Strüssmann in the Seventh International Symposium on the Biology of Vertebrate Sex Determination held at Kona, Hawaii, USA during 13<sup>th</sup> - 17<sup>th</sup> April, 2015.

2) "Effects of temperature on sex determination of cobaltcap silverside *Hypoatherina tsurugae*, an atherinid fish from the Northwest Pacific Ocean" - Kaho Miyoshi, Dilip Bej, Ricardo S. Hattori, Yoji Yamamoto and Carlos A. Strüssmann in the Seventh International Symposium on the Biology of Vertebrate Sex Determination held at Kona, Hawaii, USA during 13<sup>th</sup> - 17<sup>th</sup> April, 2015.

3) "Identification of two *amh* paralogues and their expression profiles during gonadal sex differentiation of cobaltcap silverside *Hypoatherina tsurugae*" - by Dilip Bej, Miyoshi Kaho, Ricardo S. Hattori, Yoji Yamamoto and Carlos A. Strüssmann in the 8<sup>th</sup> International Symposium on Fish Endocrinology held at Gothenburg, Sweden during 28<sup>th</sup> June - 2<sup>nd</sup> July 2016.

4) "Effects of temperature on sex determination of cobaltcap silverside *Hypoatherina tsurugae* and its usefulness as a bioindicator species of the effects of abnormal water temperatures on fish sex determination"- Kaho Miyoshi, Dilip Bej, Ricardo S. Hattori, Yoji Yamamoto and Carlos A. Strüssmann in the 8<sup>th</sup> International Symposium on Fish Endocrinology held at Gothenburg, Sweden during 28<sup>th</sup> June - 2<sup>nd</sup> July 2016.

5) "Mitochondrial genome sequence of Indian major carps, *Labeo rohita*" - by Dilip Bej, Laxman Sahoo, Subrat Swain, Sofia P. Das, P. Das, P. Jayasankar, B. K. Chaudhary, P. C. Das, P. Routray, S. K. Swain, J. K. Jena, A.E. Eknath and W.S Lakra in the X<sup>th</sup> Agricultural Science congress held at National Bureau of Fish Genetic Resources, Lucknow during 10<sup>th</sup> -12<sup>th</sup> February, 2011. 6) "Comparative and evolutionary analysis of mitochondrial genes in Indian major carps" - by Sofia P. Das, Dilip Bej, Subrat Swain, P. Jayasankar, P. Das, B. K. Chaudhary, J. K. Jena, P. Routray, S.K. Swain, P. C. Das, A.E. Eknath and W.S Lakra in the X<sup>th</sup> Agricultural Science congress held at National Bureau of Fish Genetic Resources, Lucknow during 10<sup>th</sup> -12<sup>th</sup> February 2011. 7) "Complete mitochondrial genome

sequence of Indian Major carps: A phylogenetic consideration” - by Dilip Bej, L. Sahoo, Subrat Swain, Sofia P. Das, P. Jayasankar and P. Das presented in the 9th Indian Fisheries Forum during 19th - 23rd December 2011 at Chennai.

8) “Genetic variation of *Labeo fimbriatus* populations using heterologous primers” - by Subrat Swain, A. Patel, Sofia P. Das, **Dilip Bej**, P. Jayasankar, B. K. Chaudhary, J. K. Jena, P. Routray, S. K. Swain, P. C. Das, A.E. Eknath, W.S. Lakra and P. Das presented in the 9th Indian Fisheries Forum during 19th - 23rd December 2011 at Chennai.

9) “Mitochondrial DNA variation in peninsular riverine population of Indian carps” - by Sofia P. Das, Subrat Swain, **Dilip Bej**, P. Jayasankar, B. K. Chaudhary, J. K. Jena, P. Routray, S. K. Swain, P. C. Das, A.E. Eknath, W.S. Lakra and P. Das presented in the 9th Indian Fisheries Forum during 19th - 23rd December 2011 at Chennai.

10) “Direct comparison of mitochondrial markers for the analysis of *Labeo rohita* population structure”- by **Dilip Bej**, Sofia P. Das, Subrat Swain, L. Sahoo, P. Jayasankar and P. Das presented in the International Symposium on Genomics in Aquaculture during 22nd - 23rd January 2013 at CIFA, Bhubaneswar.

11) “Population genetic structure of Indian Major Carp, *Cirrhinus mrigala* from peninsular regions of India: A comparative analysis with mtDNA markers”- by Sofia P. Das, **Dilip Bej**, Subrat Swain, J. K. Jena, L. Sahoo, P. Jayasankar and P. Das presented in the International Symposium on Genomics in Aquaculture during 22nd - 23rd January 2013 at CIFA, Bhubaneswar.

12) “Comparative mtDNA sequence divergence in *Labeo fimbriatus* populations from peninsular region of India”- by Subrat Swain, **Dilip Bej**, Sofia P. Das, L. Sahoo, P. C. Das, P. Jayasankar and P. Das presented in the International Symposium on Genomics in Aquaculture during 22nd - 23rd January 2013 at CIFA, Bhubaneswar. 13)

Participation in the 35th Annual Meeting of the Indian Immunology Society organized by the Institute of Life Sciences, Bhubaneswar during December 12-14, 2008.