



## Faculty Details Proforma

Title	Dr.	First Name	Uma Bharati	Last Name	Sahu	Photograph
Designation	Assistant Professor					
Address	Daulat Ram College, Patel Marg 4					
Phone No. Office						
Residence						
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Email – ID	uma@dr.du.ac.in					
Web Page						
<b>Educational Qualification</b>						
Degree	Institution				Year	
Ph.D.	Department of Zoology, University of Delhi				2024	
M. Sc.	Department of Zoology, University of Delhi				2017	
B. Sc.	Hans Raj College, University of Delhi				2015	
Class XII <sup>th</sup>	Kendriya Vidyalaya No.2, Delhi Cantt., Delhi				2012	
<b>Career Profile</b>						
Started working as a Guest Lecturer at Daulat Ram College on 28 <sup>th</sup> September, 2024 and am currently in this role.						
<b>Administrative Assignments</b>						
NIL						
<b>Areas of Interest / Specialization</b>						
Fish Biology, Endocrinology, Cell Biology, Bioinformatics						

<b>Subjects Taught (in the last three years)</b>
NIL
<b>Research Guidance</b>
NIL
<b>Publications Profile (in the last three years)</b>
<ul style="list-style-type: none"> <li>❖ <b>Sahu, U. B.</b>, Rani, K. V. and Sehgal, N. (2024). Insulin-like growth factor 1 (IGF1) in the hypothalamo-pituitary-gonadal-liver (HPG-L) axis: identification, sequencing, gene expression and <i>in silico</i> analysis in the Indian freshwater catfish, <i>Heteropneustes fossilis</i> (Bloch)" - Iranian Journal of Ichthyology 11(2),124-146. <a href="https://doi.org/10.22034/iji.v11i2.1006">https://doi.org/10.22034/iji.v11i2.1006</a>. P-ISSN: 2383-1561; E-ISSN: 2383-0964.</li> <li>❖ Pant, D. R., Kumari, I., <b>Sahu, U. B.</b> and Sehgal, N. (2023). Temporal expression of thyroid hormone regulating genes (<i>tsh-b</i>, <i>tsh-r</i>, <i>dio2</i> and <i>dio3</i>) and their correlation with annual reproductive cycle of the Indian freshwater catfish, <i>Heteropneustes fossilis</i> (Bloch) - Journal of Applied and Natural Science, 15(1). <a href="https://doi.org/10.31018/jans.v15i1.4179">https://doi.org/10.31018/jans.v15i1.4179</a>. ISSN: 0974-9411 (Print), 2231-5209 (Online).</li> </ul>
<b>Conference Organization / Presentation (in the last three years)</b>
<ol style="list-style-type: none"> <li>1. Participated in oral presentation on “Regulation of Gonadotropin Subunits by IGF1 and GnRH in the Pituitary Cells of the Indian Freshwater Catfish, <i>Heteropneustes fossilis</i> (Bloch)” in International Conference on Endocrinology, Metabolism, and Reproduction: Exploring New frontiers held in Department of Zoology, University of Jammu, Jammu, India, October 2024.</li> <li>2. Participated in poster presentation on “Insulin-like growth factor 1 (IGF1) in the Hypothalamo-Pituitary-Gonadal- Liver (HPG-L) axis: Gene expression and in silico analysis in the Indian freshwater catfish, <i>Heteropneustes fossilis</i>” in 12th International Symposium on Reproductive Physiology of Fish held in Hersonissos, Crete, Greece, May 2023.</li> <li>3. Participated in “Pre-workshop on Genomics Data Analysis” in 2nd International Colloquium RMBPD- 2022 on “Deciphering Bioregulatory Mechanism in Health and Disease using ‘omics’ Approach” organized by Department of Zoology, University of Delhi, Delhi, 2022.</li> <li>4. Participated in poster presentation on “Characterization of Insulin-like Growth Factor 1 (IGF-1) and its Role in Regulation of Gonadal Development in the Indian Freshwater Catfish, <i>Heteropneustes fossilis</i>” in 2nd International Colloquium RMBPD- 2022, “Deciphering Bioregulatory Mechanism in Health and Disease using ‘omics’ Approach” organized by Department of Zoology, University of Delhi, Delhi, 2022.</li> </ol>
<b>Research Projects (Major Grants/Research Collaboration)</b>
NIL
<b>Awards and Distinctions</b>
NIL
<b>Association with Professional Bodies</b>
NIL
<b>Other Activities (in last three years)</b>
NIL