

Research Communication

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IMPACT OF VARIABLE WATER FLOW RATES ON RHEOTACTIC ABILITY: A LIVE SIMULATION STUDY USING ZEBRAFISH MODEL

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Flow rate of surrounding water is a crucial factor that affects various physiological and biophysical sensory responses of aquatic animals like fish. In recent past zebrafish has emerged as an effective animal model for studying various aspects of sensory responses. In the present study the effect of variable flow rate of surrounding water on positive rheotactic response has been investigated in zebrafish model through development of a customized artificial water flow swimming tunnel set up.

Keywords: *Rheotaxis, Zebrafish, Mechanoception, Sensory Physiology.*
