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## Design and Construction of a Fishing Light Attractor

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It has been known for a long time that light attracts fish, shrimp and insects at night. In order to attract fish at night the fisherman needs to have a light attractor based on the biology of visual receptors of the fish optimized for the light of their 'space'. The study to determine the best color to be used to design a fishing light attractor was conducted. Two types of fry and fingerling fish, sizes between 3-7 cm were used, tilapia and gold fish which were obtained. All experiments were carried out in a transparent tank (L\*W\*H: 100cm\*50cm\*50cm). The colors tested were red, blue, Yellow and white. From the analysis tilapia responded positively to blue light better and almost in a linear manner as the intensity increased compared to Gold fish whose response kept fluctuating.

Key words: Light attractors, fish phototaxis, Luminous intensity.

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