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**Optimization of mono-culturing techniques: Filamentous algae *Rhizoclonium hieroglyphicum* and *Spirogyra* sp****Sidra Abdul Haq**

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Two filamentous green algae *Spirogyra daedaleoides* and *Rhizoclonium hieroglyphicum* were used for the optimization of monoculture on three different media (Bold Basal medium, CHU #10 medium and COMBO medium). Streaking technique was used to find out the growth rate of given specimens. *Spirogyra daedaleoides* showed 144.72 g total biomass on BB medium by using streaking method after 22 days with 0.000255 g/day total growth rate. CHU #10 medium was observed with 144.75 g total biomass by streaking method after 22 days with 0.0000673 g/day growth rate. COMBO medium showed 144.66 g total biomass by streaking method with 0.000782 g/day biomass. *Rhizoclonium hieroglyphicum* showed 144.73 g total biomass BB medium by using streaking method after 22 days with 0.000228 g/day total growth rate. CHU #10 medium was observed with 144.71 g total biomass by streaking method after 22 days with 0.000205 g/day growth rate. COMBO medium showed 144.60 g total biomass by streaking method with 0.0000210 g/day biomass.

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