Article

Salinity-Induced Physiochemical Alterations to Enhance Lipid Content in Oleaginous Microalgae *Scenedesmus* sp. BHU1 Via Two-Stage Cultivation for Biodiesel Feedstock

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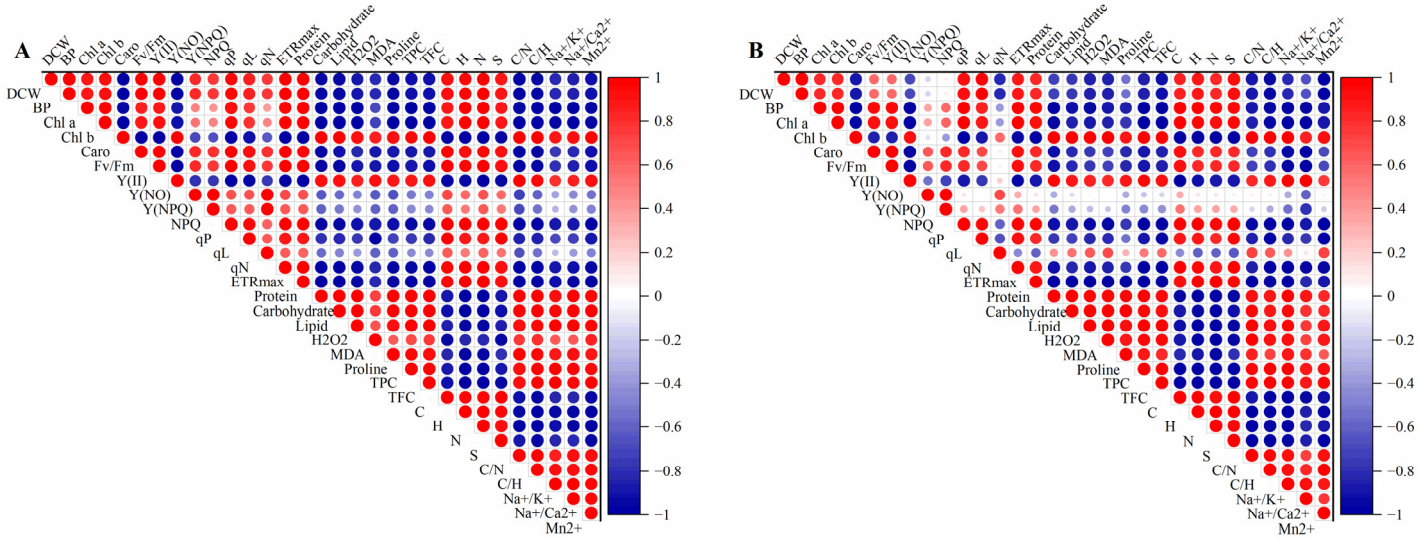

Figure S1. Pearson correlation plot of different concentrations of NaCl (0–0.4 M) during stage-I **(A)** and salinity-induced stress (0.4 M NaCl) for different durations during stage-II **(B)** cultivation between different parameters measured to assess physiological, biochemical, stress biomarkers, and elemental responses of *Scenedesmus* sp. BHU1.A gradient in color and size of circle could be seen between the correlation values, with large red dots exhibiting the maximum positive correlation and large blue dots exhibiting the maximum negative correlation.

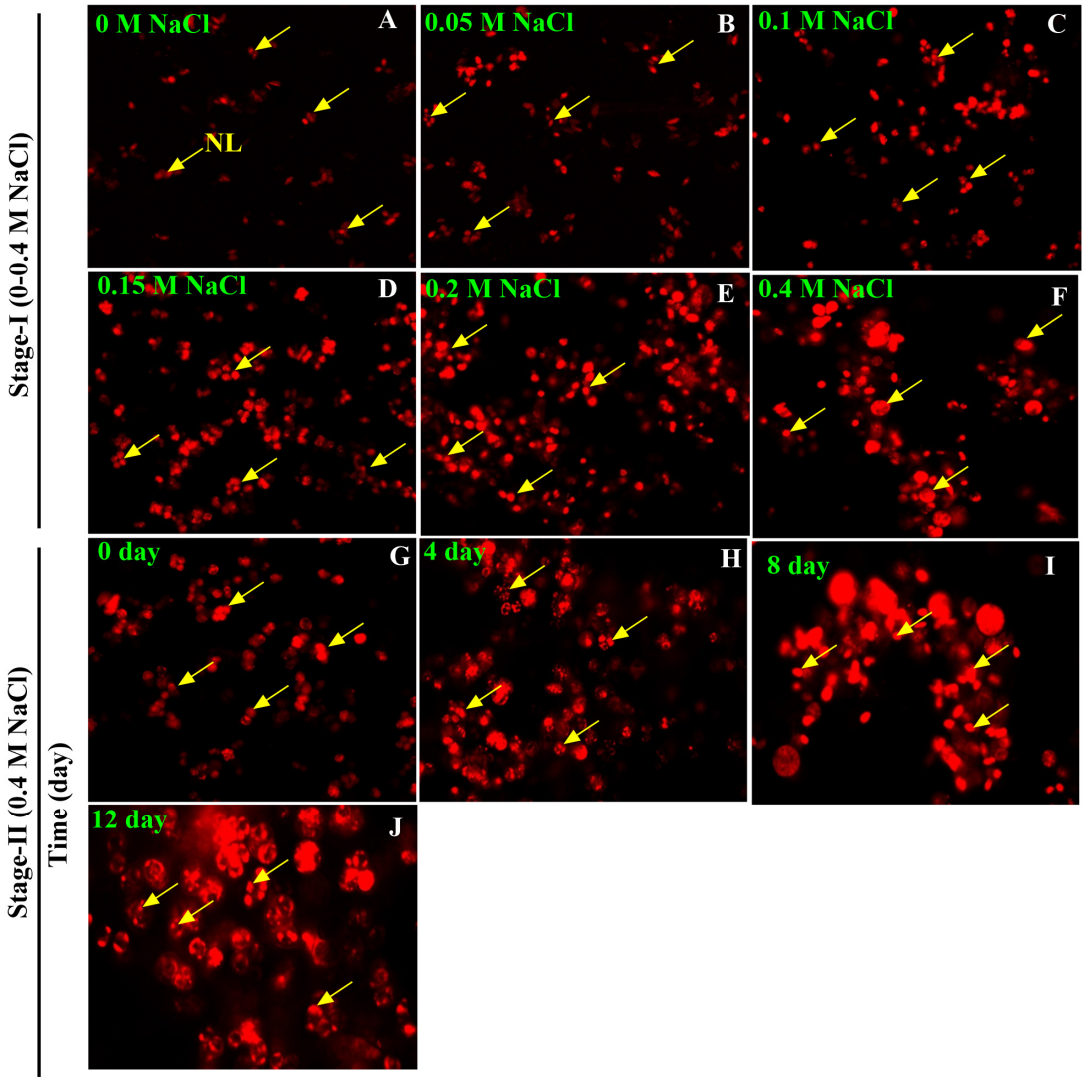

Figure S2. The effect of different NaCl concentrations (0–0.4 M) during stage-I **(A to F)** and salinity-induced stress (0.4 M NaCl) for different durations during stage-II **(G to J)** on neutral lipids in *Scenedesmus* sp. BHU1. The neutral lipid (NL) fluorescence is signed with yellow arrows. Fluorescent excitation emission red channel (590–650 nm) at 20X magnification was used to capture the image using fluorescent microscopy (Nikon ECLIPSE 90i, United States).