



Figure 2: A. Comparison between SSF and SmF for pigments production at 7 and 14 days at 20 °C. Different letters suggest a significant difference (tested by ANOVA, p -value < 0.05); B. Pigments production for each byproduct after 12 days at 20 °C. Different letters suggest a significant difference (tested by ANOVA, p < 0.05); C. PCA biplot showing loading and scores, PC1 explained 43.79 % and PC2 25.42 % of the total variance, respectively.