

Specific comments (peerj-reviewing-85542):

Abstract, line 43: "...7.4 – 7.6..." instead of "...7.4-7.6..."

Abstract, line 44: "...2.0 %, 1.1 %, and 0.8 %..." instead of "...2.0%, 1.1%, and 0.8%..."

Introduction, lines 105 – 107: The phrase "...due to the potential effects laboratory-specific experimental and operational conditions, as well as data presentation on the results, limiting the comparability of published results." is incomprehensible and should be reworded.

Uniform spelling for „total chemical oxygen demand“: COD \dagger (Abstract, line 43) / \dagger COD (Introduction, line 114).

Materials & Methods, line 124: Does the specification „hydraulic retention time (HRT) of 28 days“ refer to the whole WWTP (*this seems to be unrealistic*) or only the anaerobic digester?

Materials & Methods, line 142: "...R1 – R6 (n = 6)..." instead of "...R1-R6 (n=6)..."

Materials & Methods, line 142: "...during 11 days..." instead of "...during**11**-days..."

Materials & Methods, line 148: "...CO₂..." instead of "...CO2..."

Results, line 235: "...2.0 %..." instead of "...2.0%..."

Results, line 236: "...1.1 %..." instead of "...1.1%..."

Results, line 236: "...0.8 %..." instead of "...0.8%..."

Results, line 241: "...**are** within..." instead of "...found within..."

Results, line 247: "...**and** affects..." instead of "...that affect..."

Results, lines 256/257: "...(**23 – 28 %**)..." instead of "...(23-28%)..."

Results, lines 273: "...**i** inert..." instead of "...Inert..."

Results, lines 275, 278 and 286: "...**c**omplex **c**omposites..." instead of "...Complex Composites..."

Results, lines 277: "...**p**rotein, **l**ipids and **i** inert particulate..." instead of "...Protein, Lipids and Inert particulate..."

Results, lines 277: "...**p**rotein, **l**ipids and **i** inert particulate..." instead of "...Protein, Lipids and Inert particulate..."

Results, lines 284/285: "...**i** inert **p**articulate, **c**omplex **c**omposite, **i** inert **s**oluble, and **a**mino **a**cid **c**onsumers." instead of "...Inert Particulate, Complex Composite, Inert Soluble, and Amino Acid Consumers."

Results, lines 287/288: "...inert particulate and inert soluble." instead of "...Inert Particulate and Inert Soluble."

build-up

Discussion, line 303: "...accumulation..." instead of "...build-up..."

Discussion, lines 312, 320 and 321: "...CH₄..." instead of "...CH₄..."

Discussion, line 314: "...convert..." instead of "...converts..."

Discussion, lines 319 – 321: "et al." instead of "et al"

Discussion, lines 323/324: The sentence „Estimation of..." seems to be incomplete.

Discussion, line 330: "...28.9 %, 16.0 %, and 25.2 %..." instead of "...28.9%, 16.0%, and 25.2%..."

Discussion, lines 358/359: The phrase "...**experimental** decrease in COD observed **experimentally**..." should be reworded (repetition!).

Figure 5: "...of **c**umulative methane production." instead of "...of Cumulative methane production."

Figure 5: "...(n = 6)..." instead of "...(n=6)..."

Figure 5: "Volume CH₄" instead of "Volume CH₄"

Figure 6: "ml CH₄" instead of "ml CH₄"

Table 7: "...(n = 6)..." instead of "...(n=6)..."

Table 7: "CH₄" instead of "CH₄"

Table 8: "...(n = 6)..." instead of "...(n=6)..."