

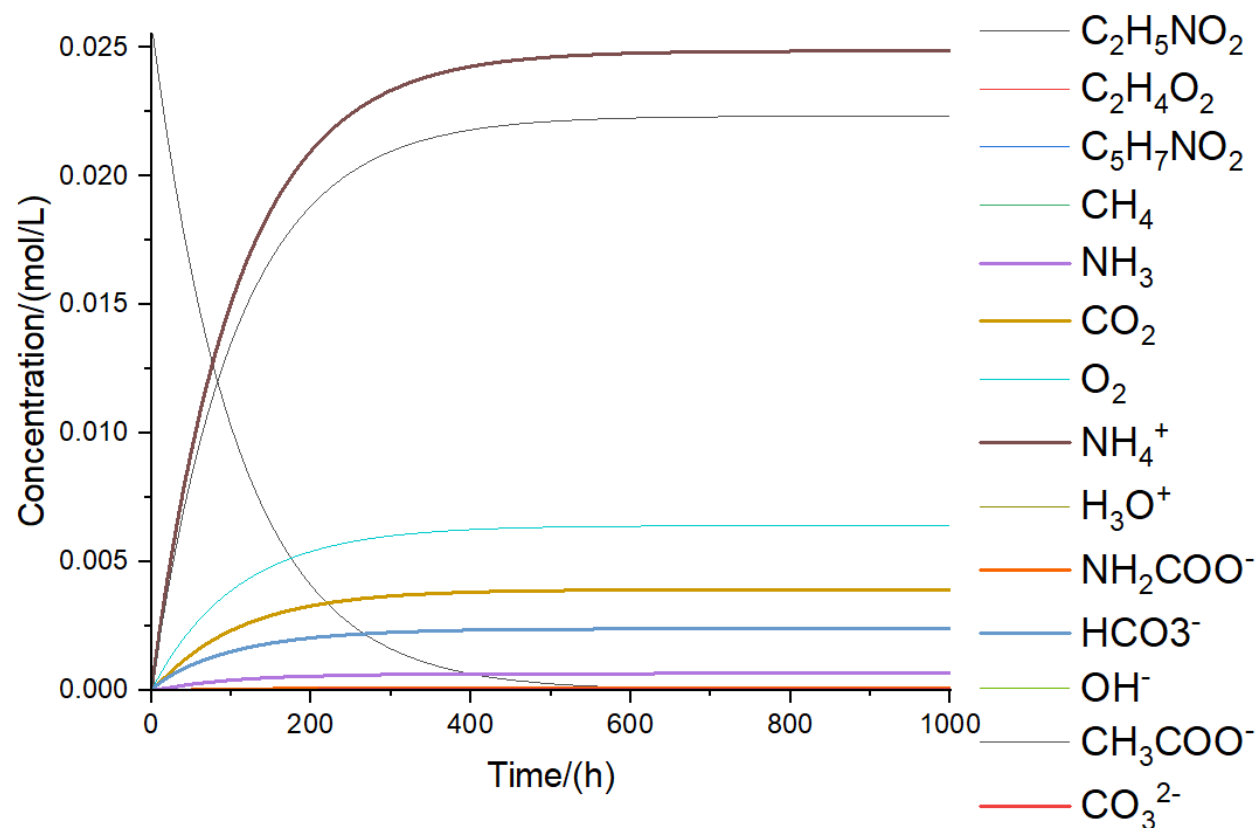
## Supplementary material

### Flash distillation process for stabilization of anaerobic digestate and synthesis of ammonium bicarbonate

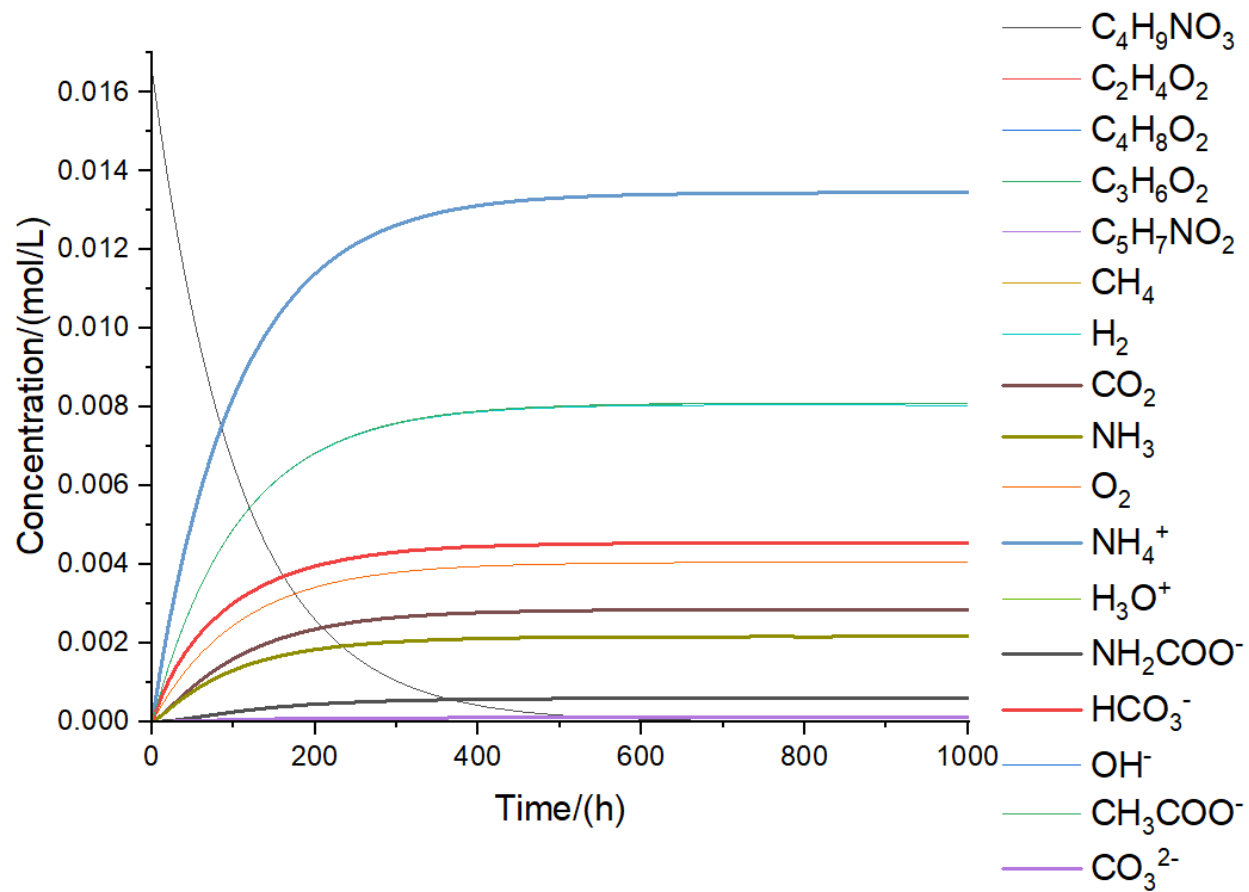
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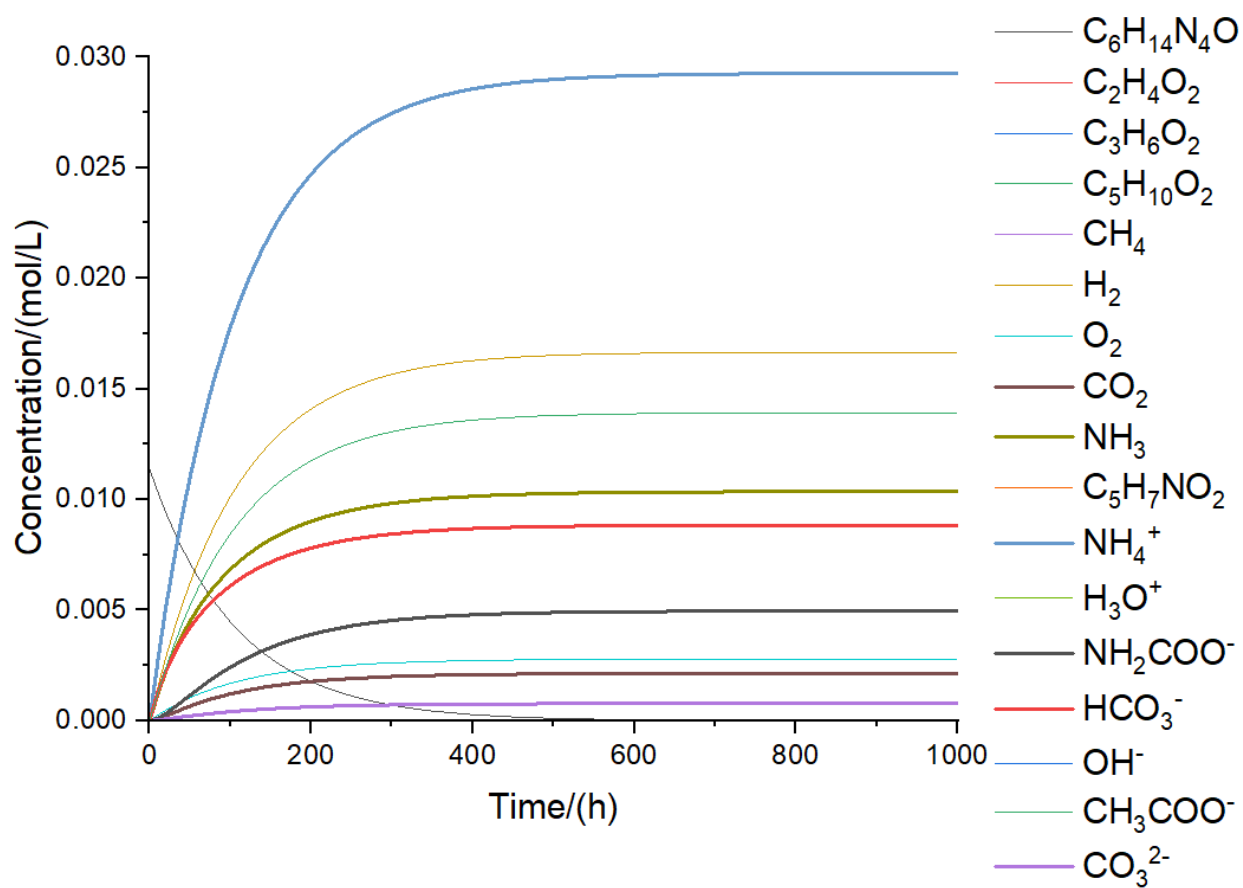
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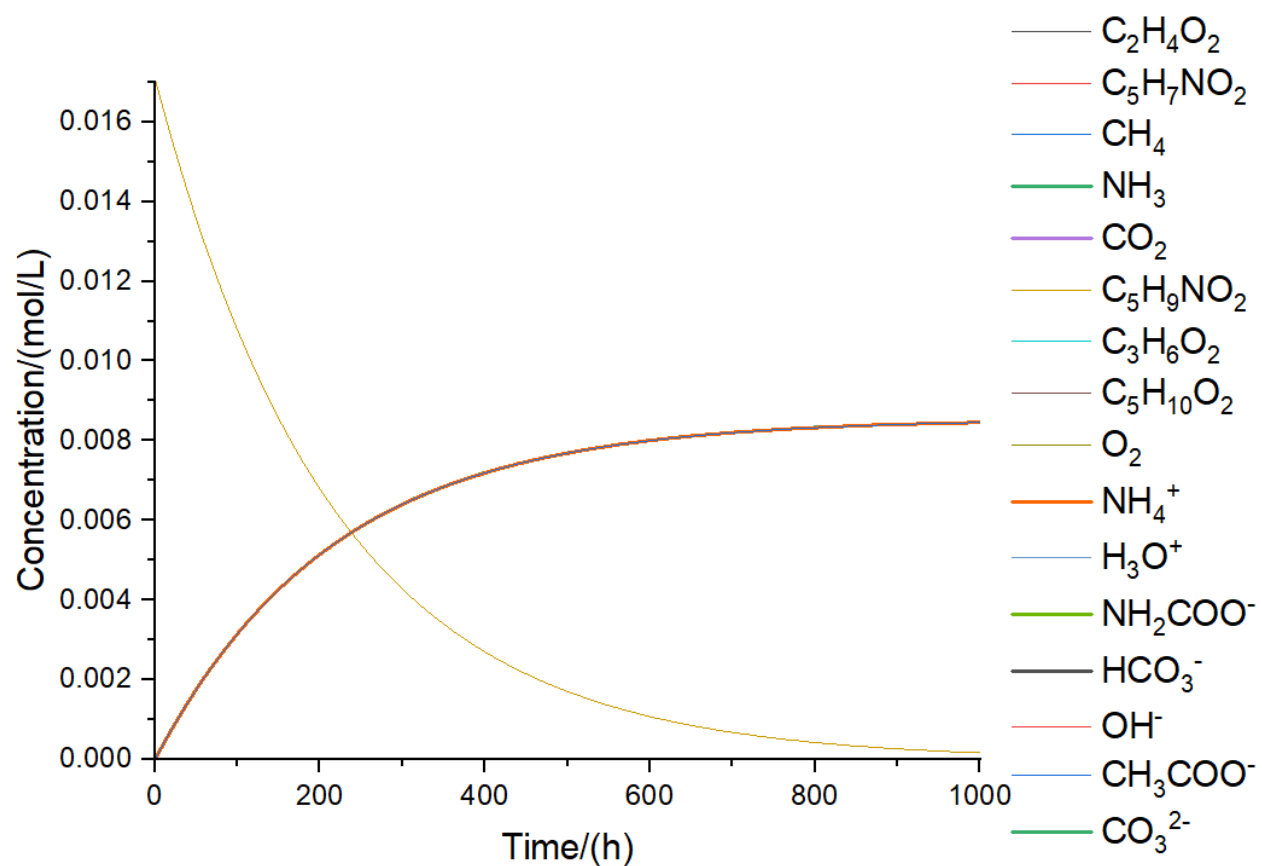
**Figure S1.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of glycine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



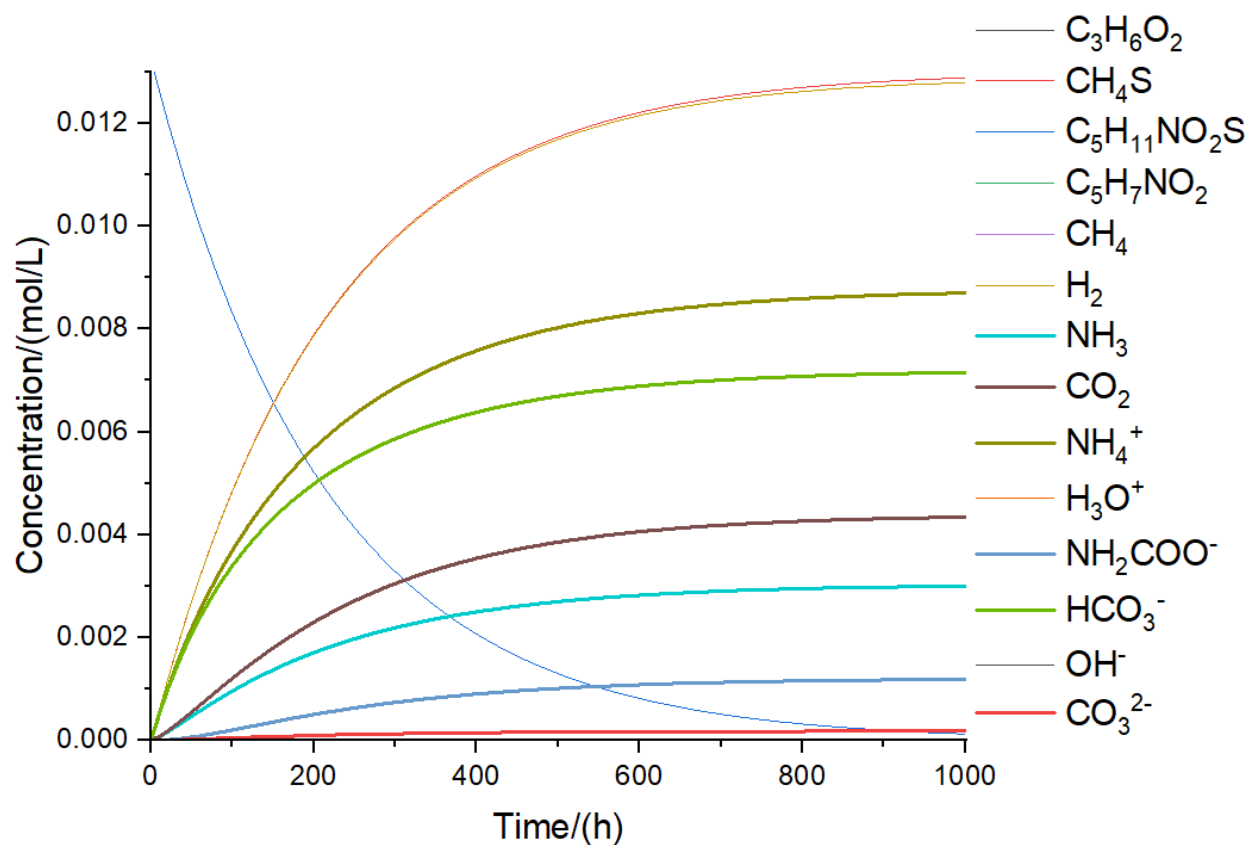
**Figure S2.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of threonine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



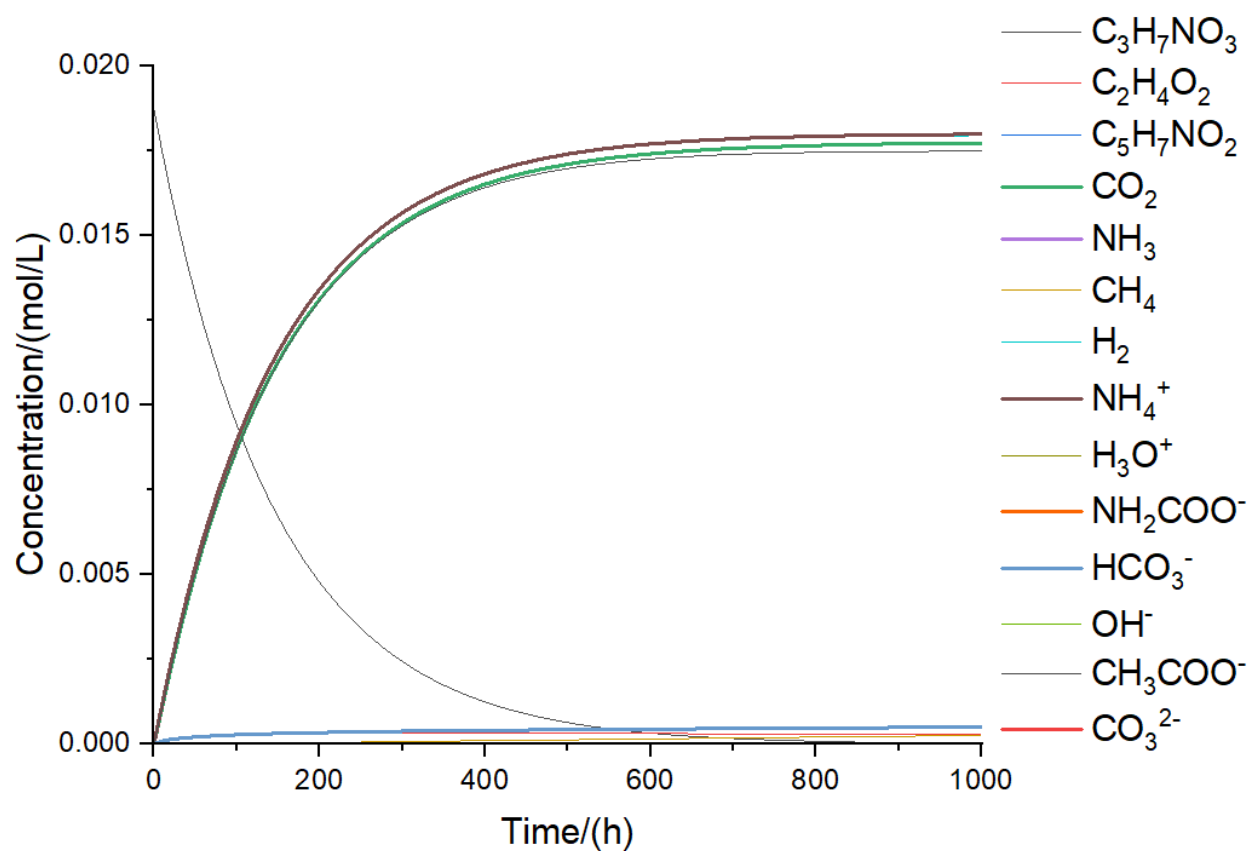
**Figure S3.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of arginine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



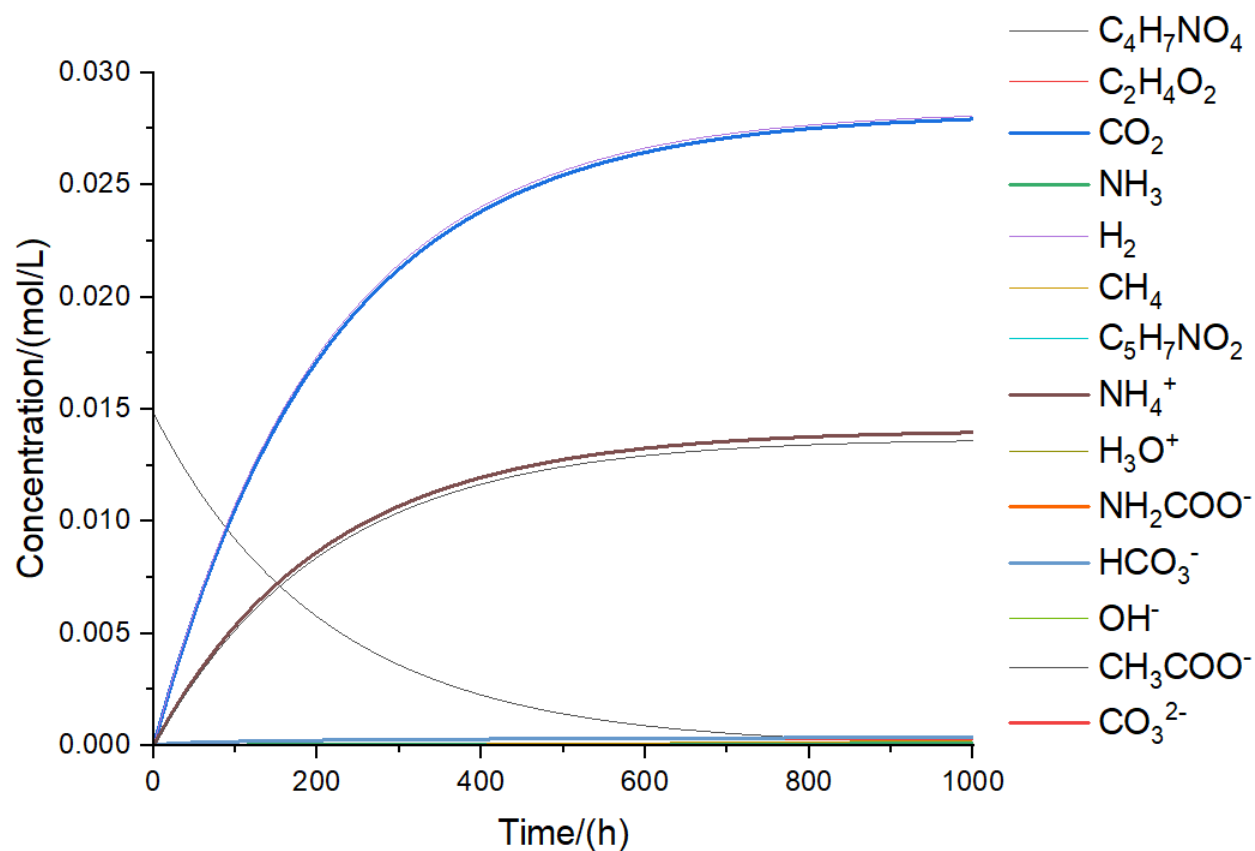
**Figure S4.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of proline. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



**Figure S5.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of methionine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

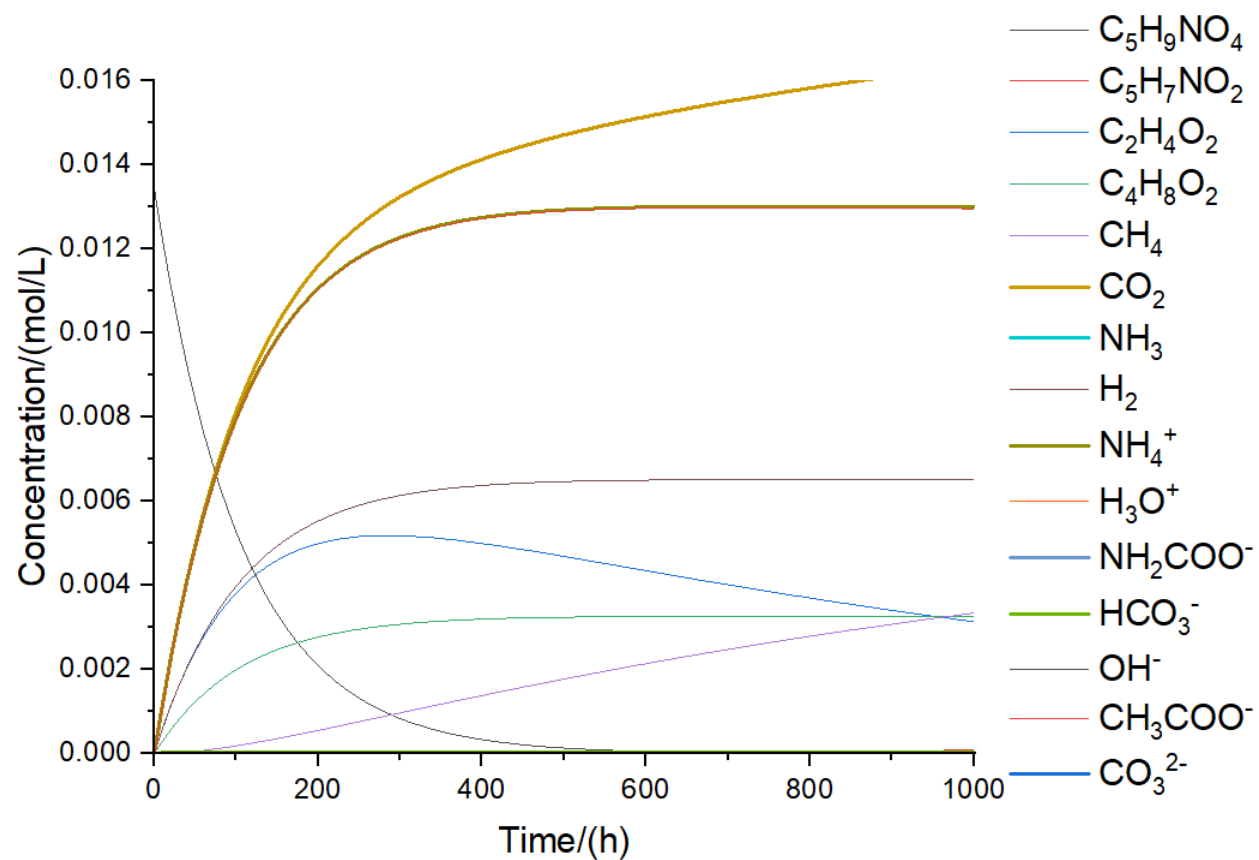


**Figure S6.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of serine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

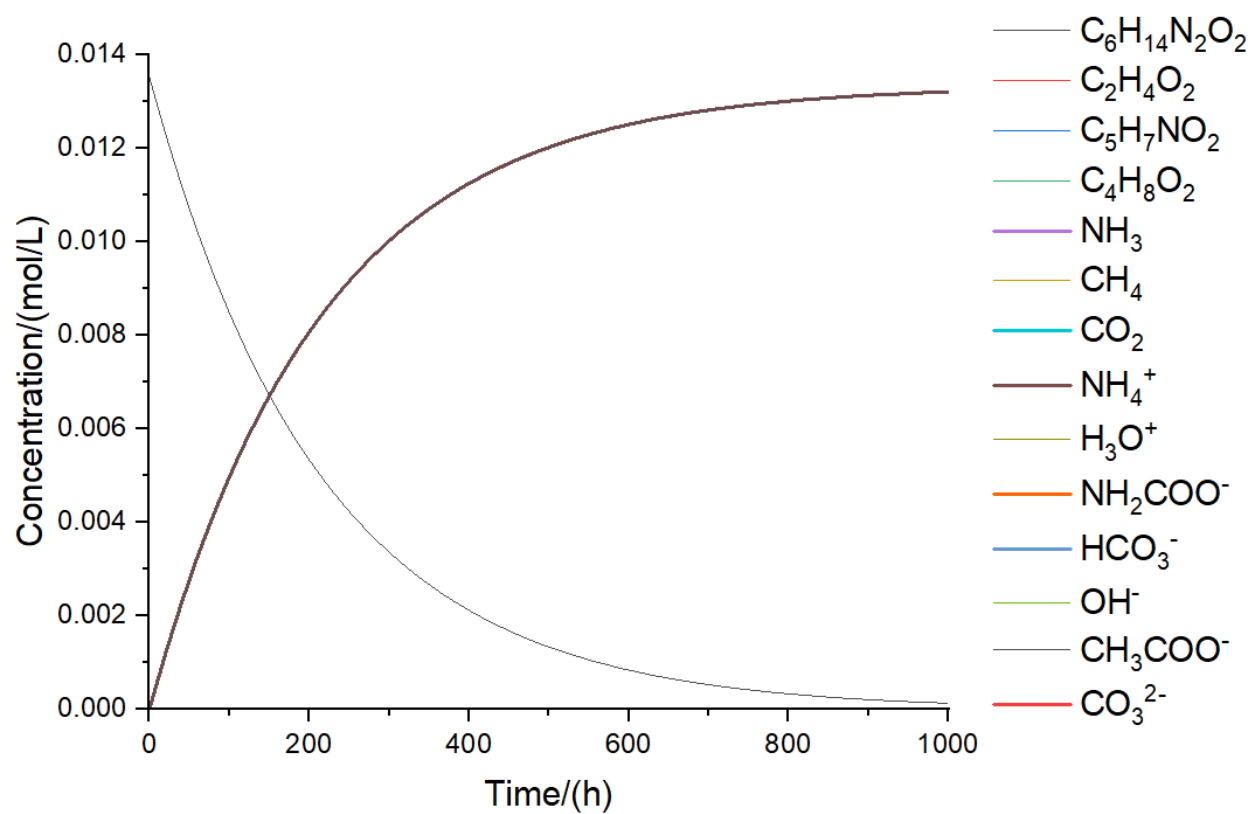


**Figure S7.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of aspartic acid. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

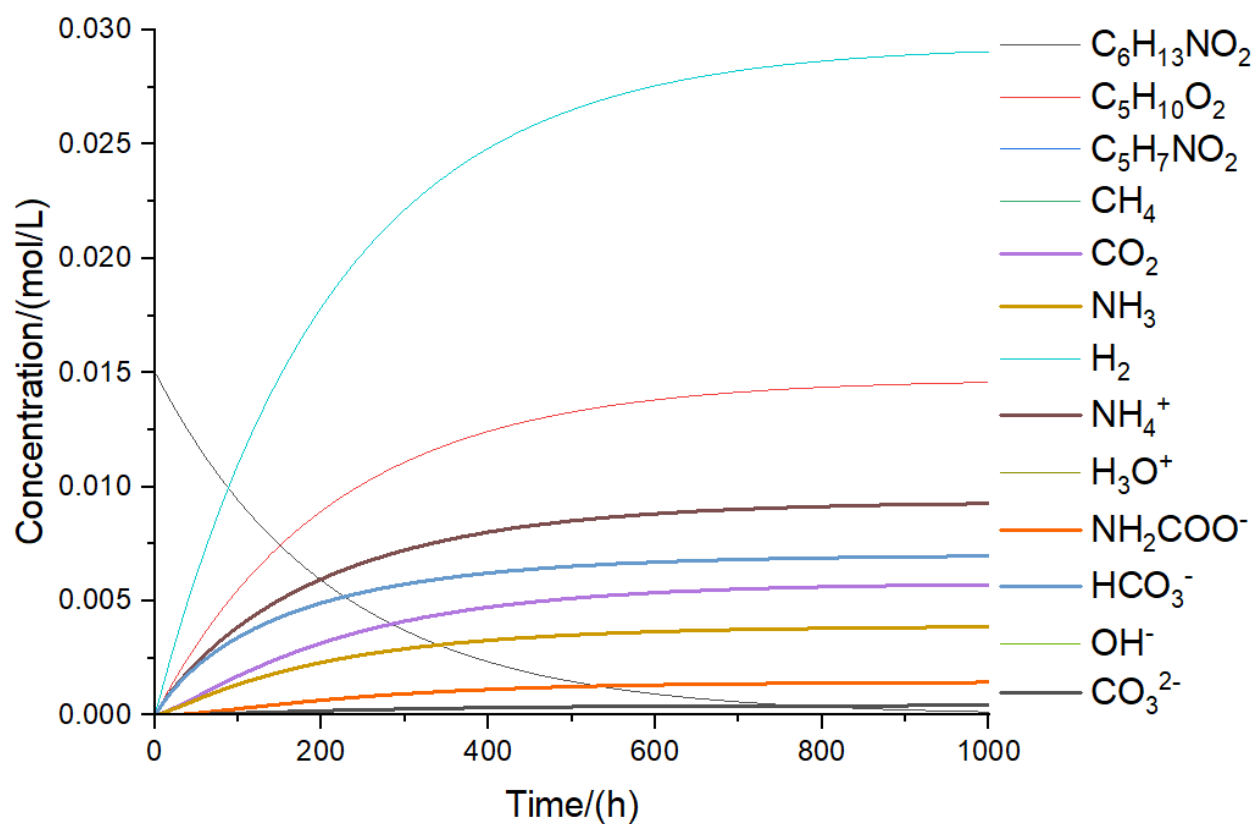




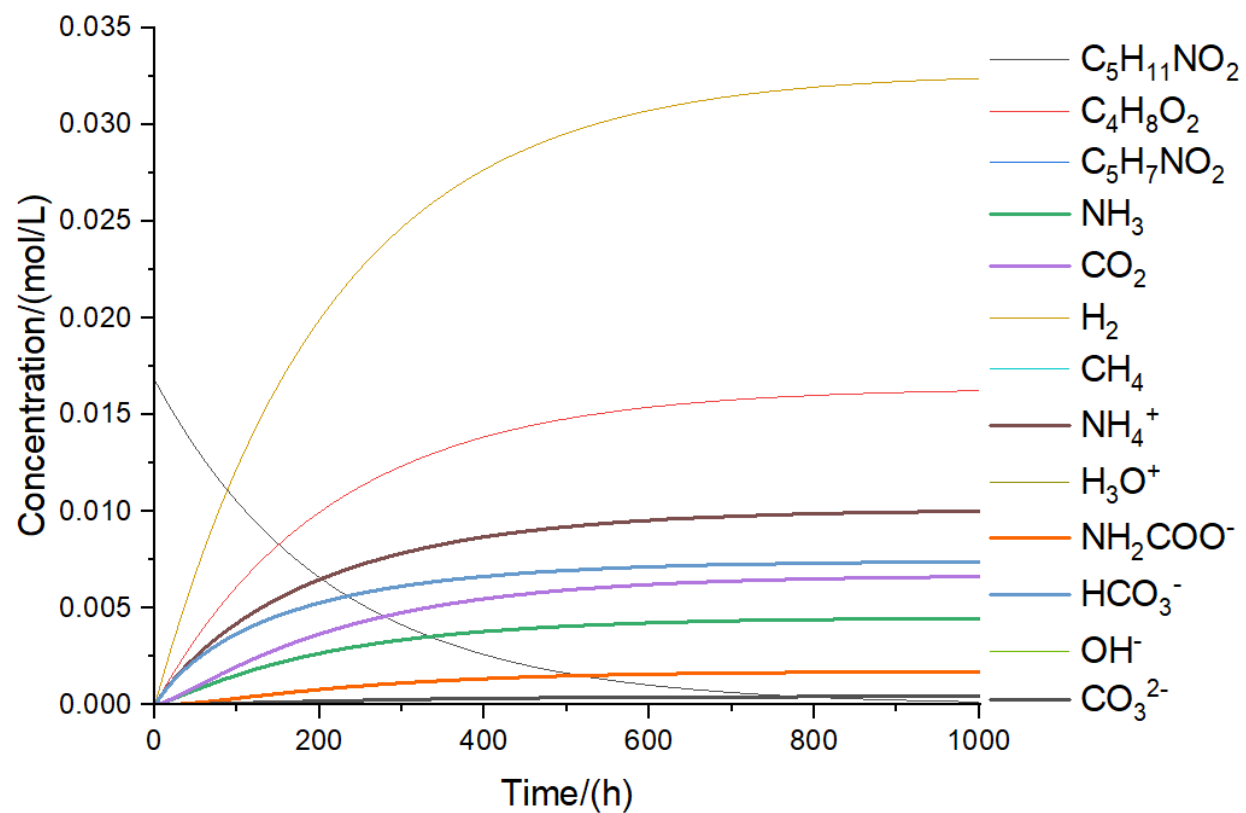
**Figure S8.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of glutamic acid. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



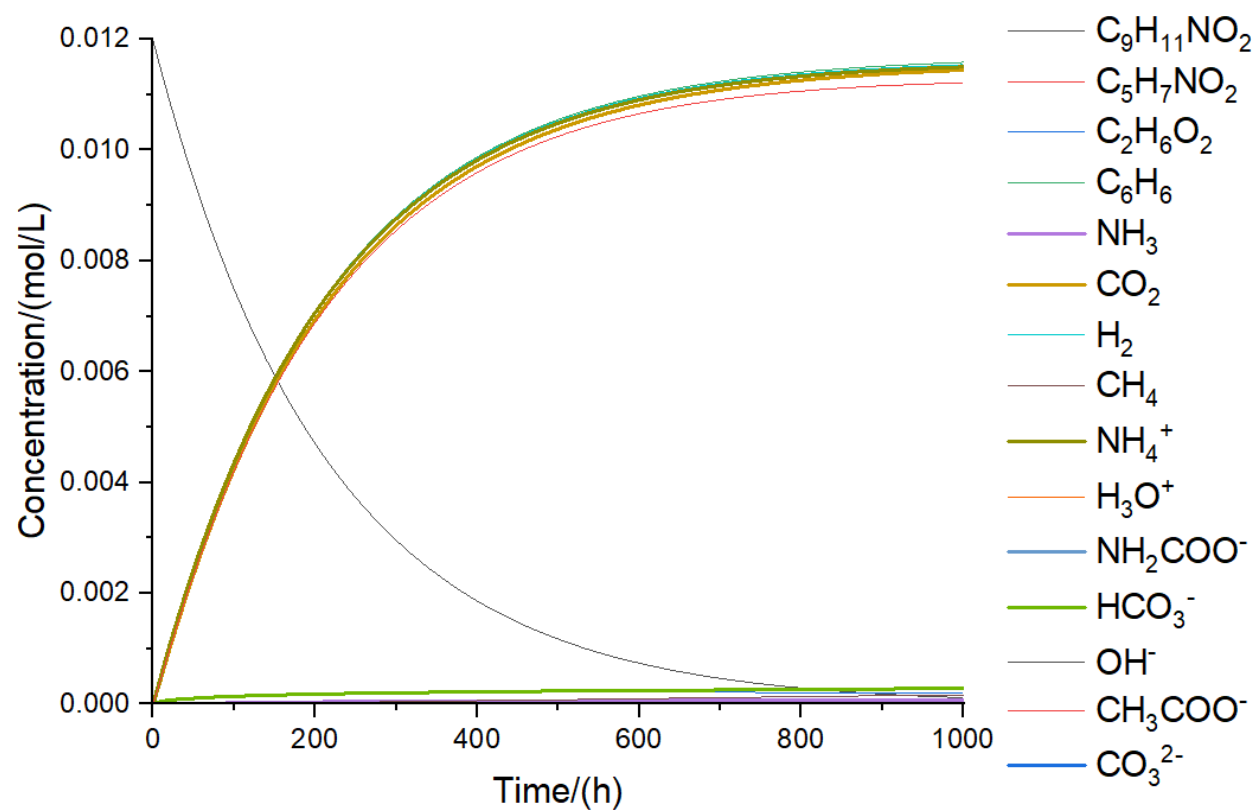
**Figure S9.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of lysine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



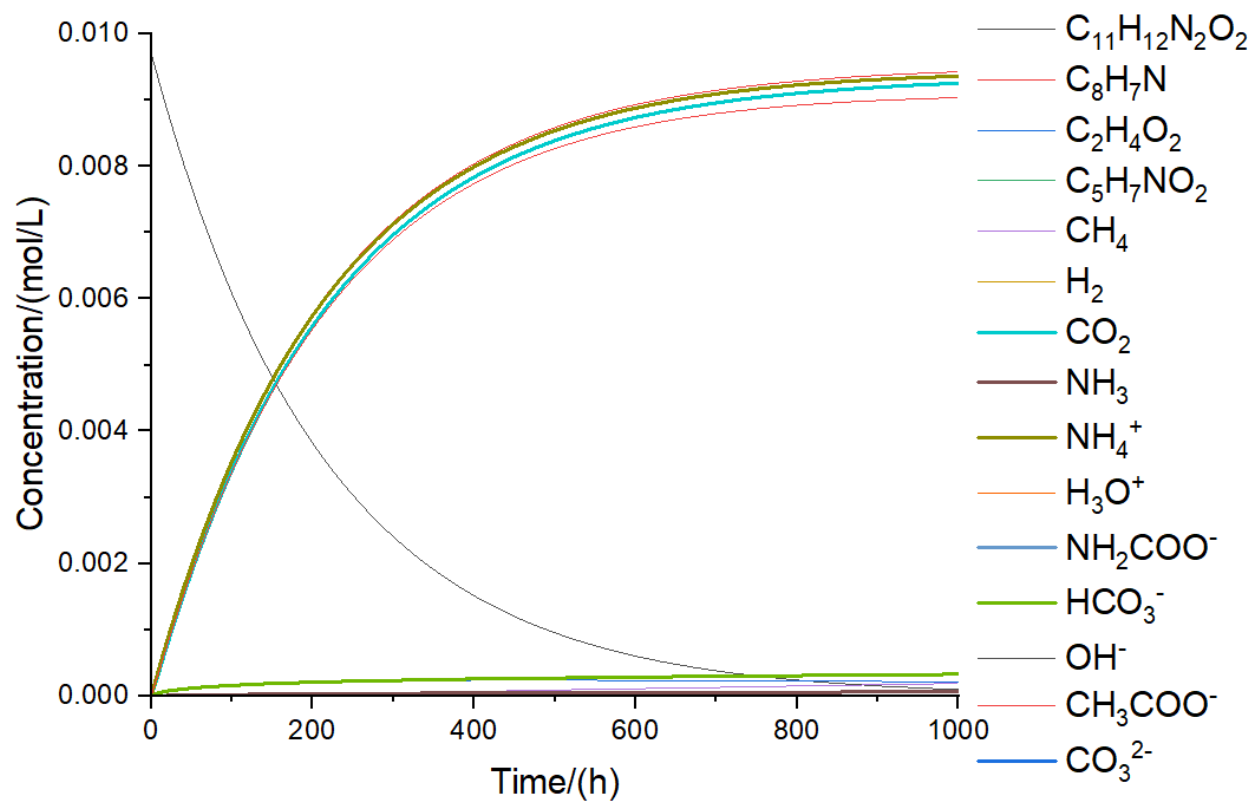
**Figure S10.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of leucine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



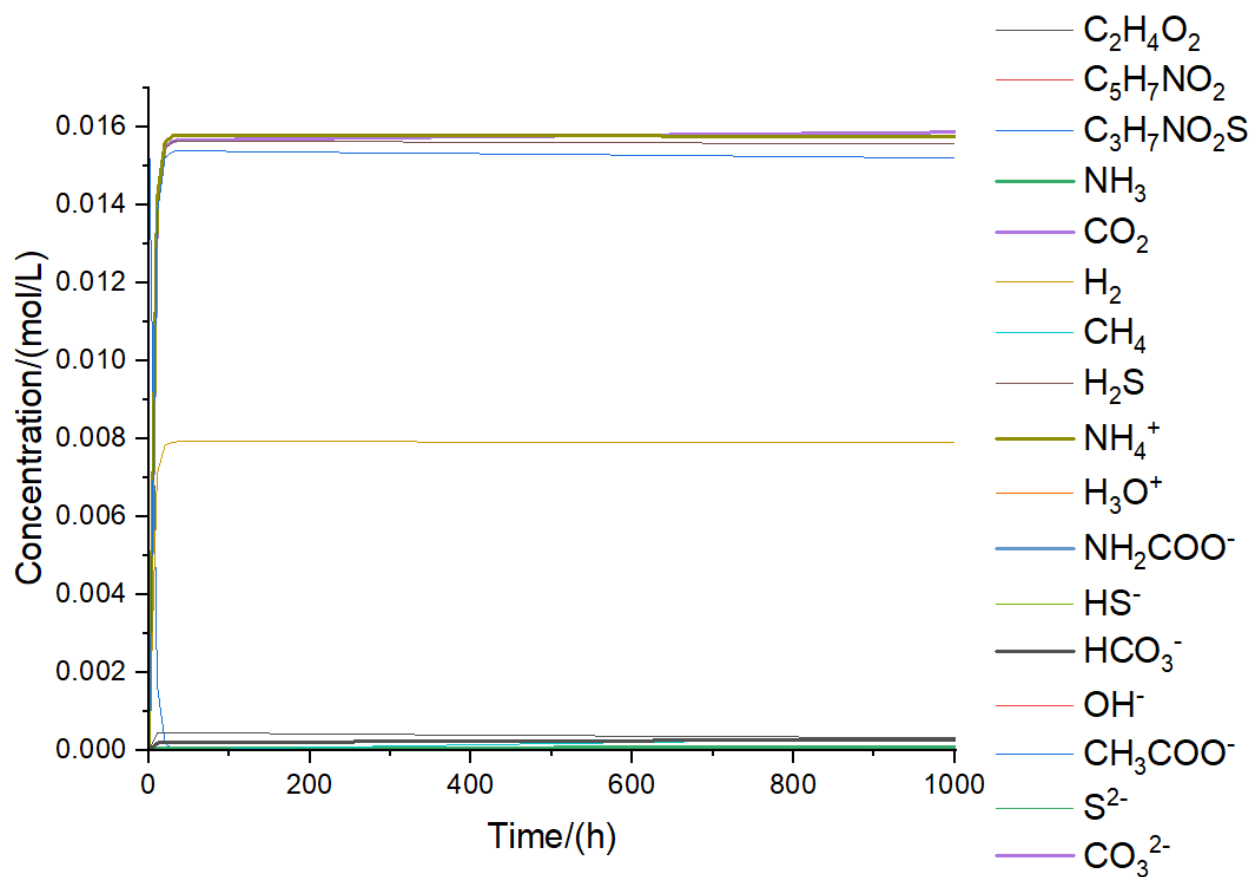
**Figure S11.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of valine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



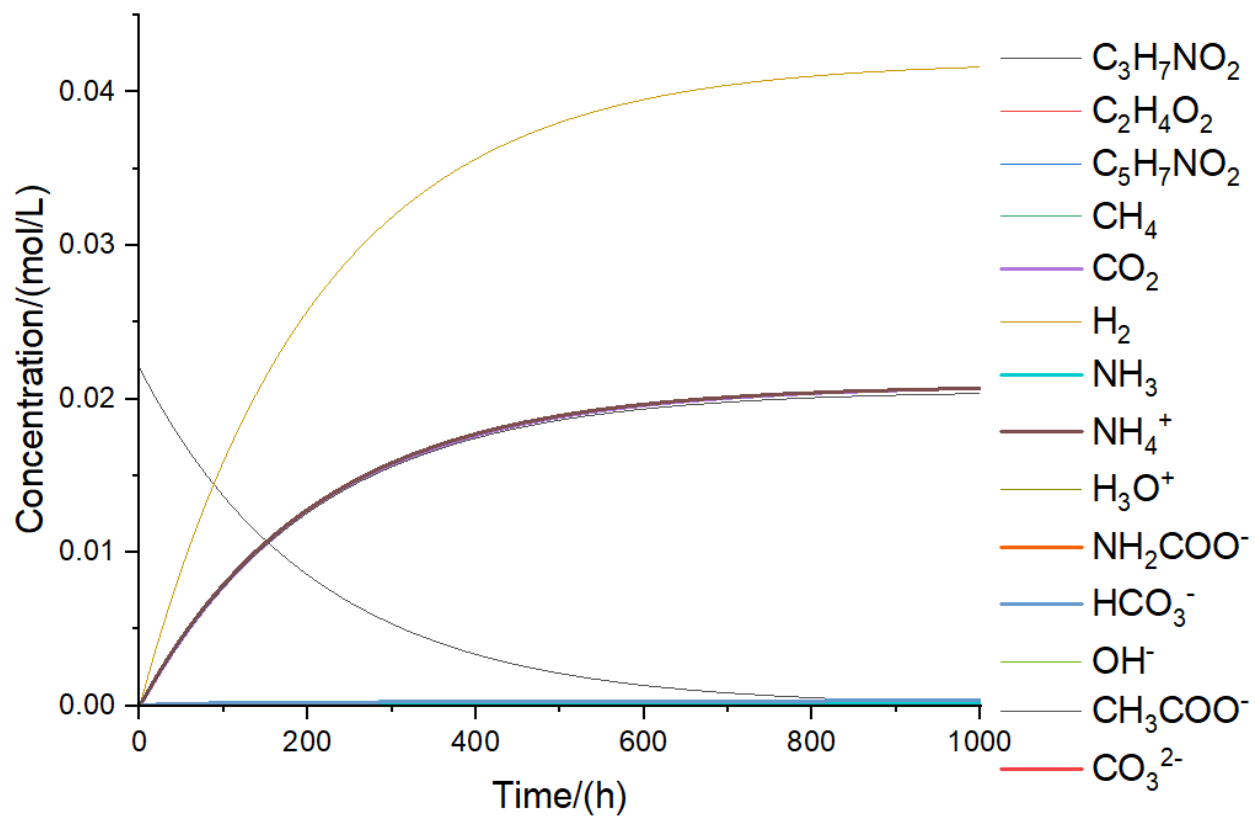
**Figure S12.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of phenylalanine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



**Figure S13.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of tyrosine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

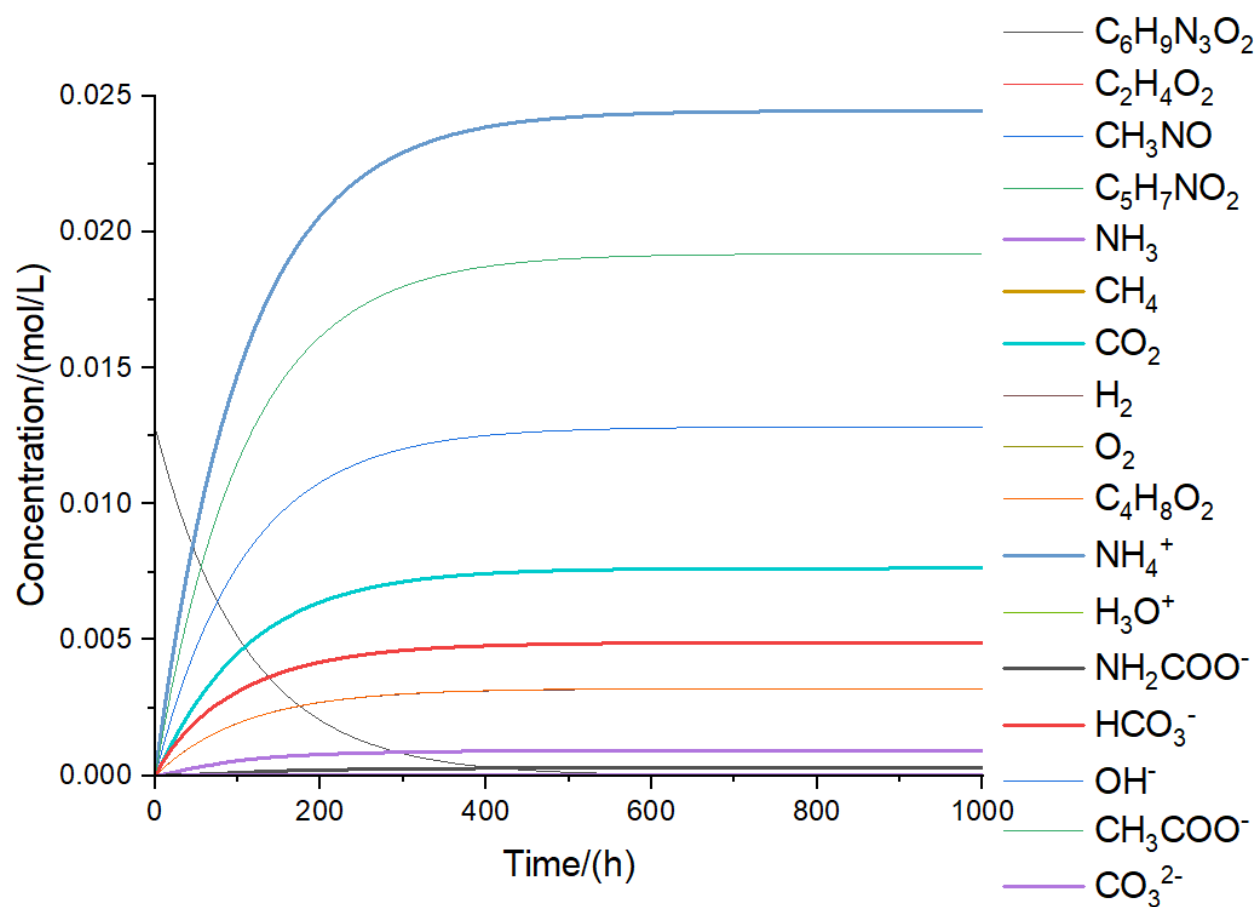


**Figure S14.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of cysteine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

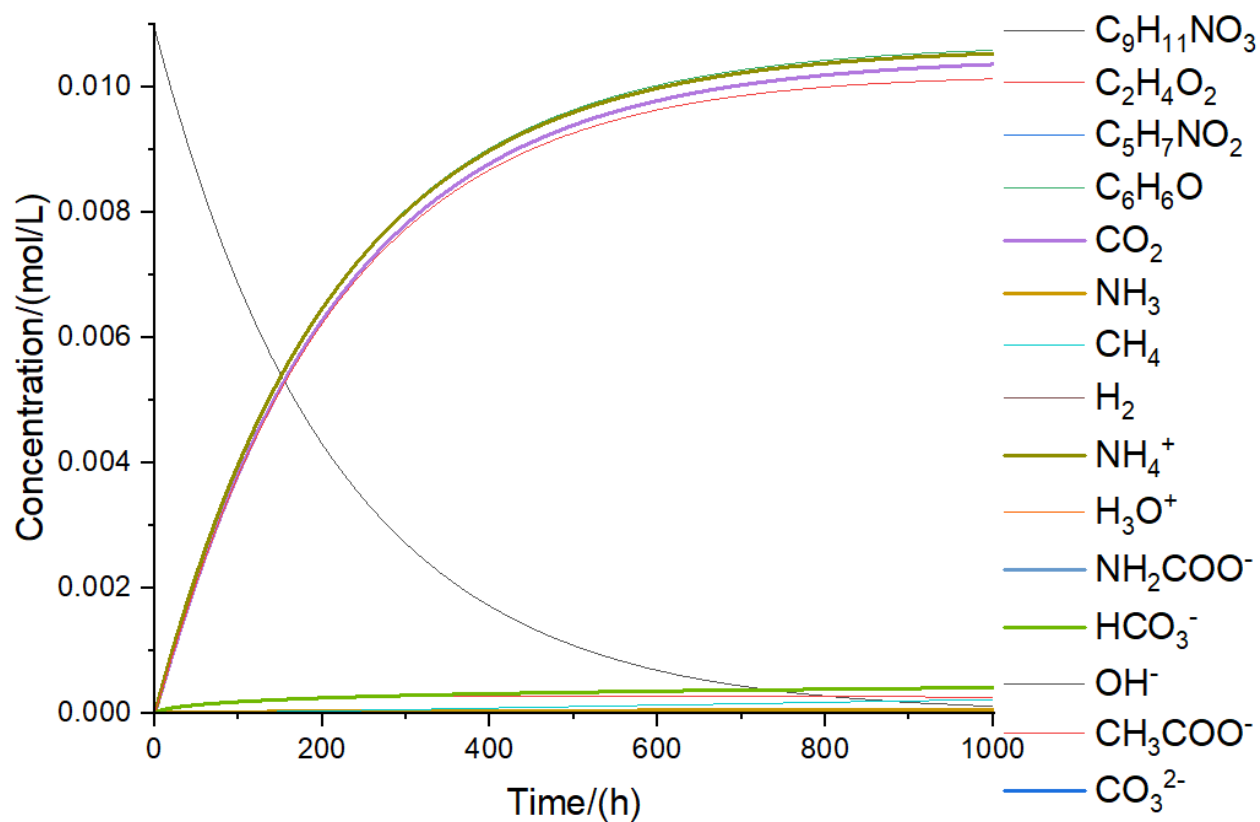


**Figure S15.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of alanine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.

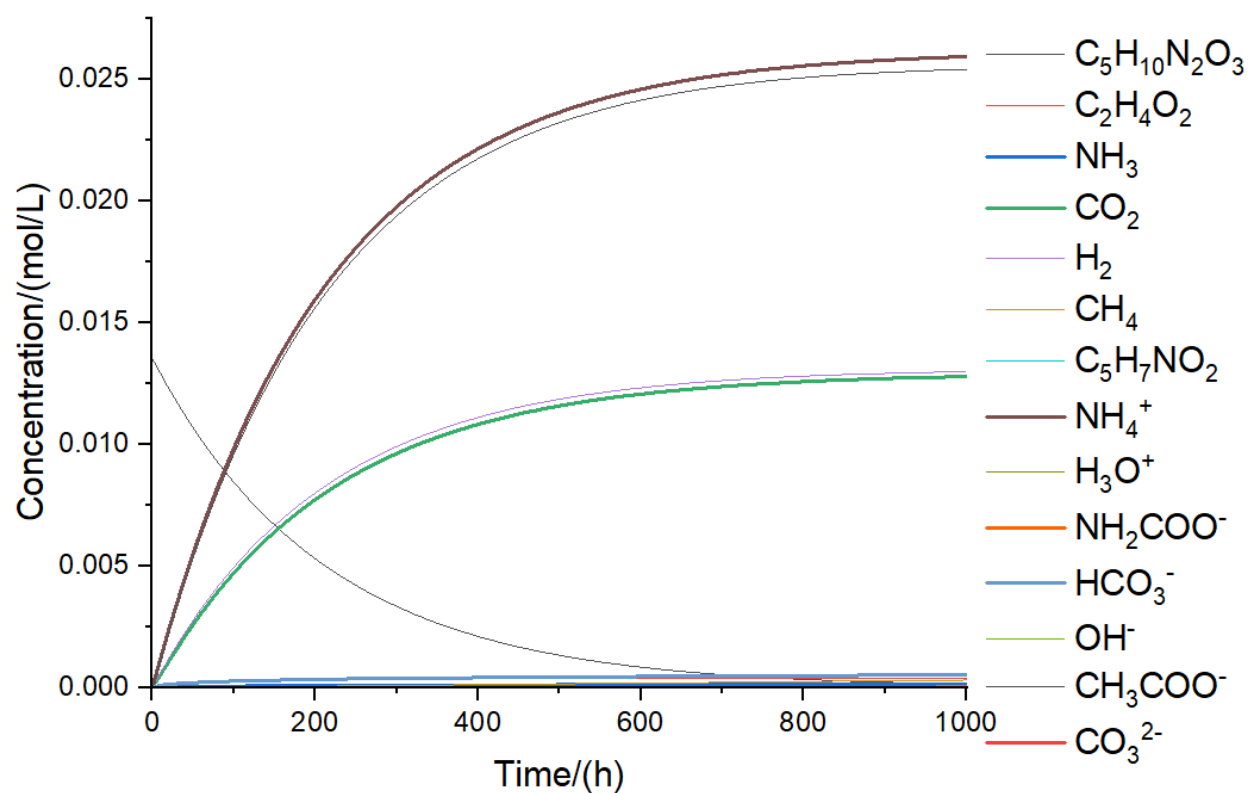




**Figure S16.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of histidine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



**Figure S17.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of tryptophan. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.



**Figure S18.** Concentration profile of the species of inorganic nitrogen and inorganic carbon during the fermentation of glutamine. The feedstock that was considered to perform this anaerobic digestion consisted of 90% moisture.