Supplementary Material
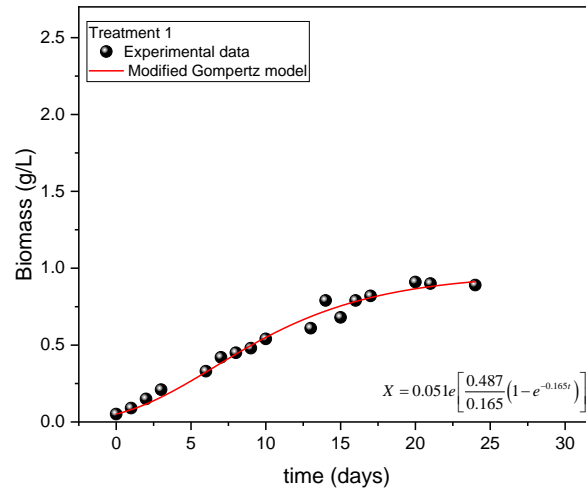
Figure S1. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 1
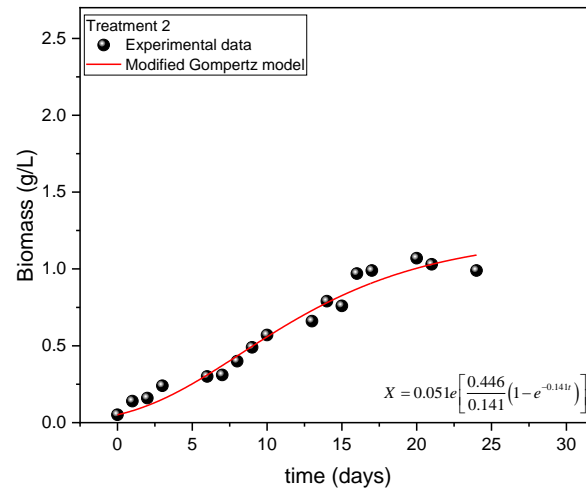
The equation shown in Figure S1:

$$X = 0.051e\left[\frac{0.487}{0.165}\left(1-e^{-0.165t}\right)\right]$$

Figure S2. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 2

The equation shown in Figure S2:

$$X = 0.051e\left[\frac{0.446}{0.141}\left(1-e^{-0.141t}\right)\right]$$
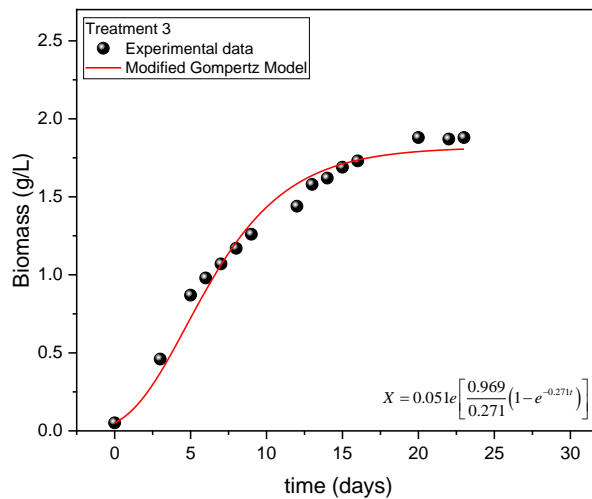
Figure S3. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 3

The equation shown in Figure S3:

$$X = 0.051e\left[\frac{0.969}{0.271}\left(1-e^{-0.271t}\right)\right]$$
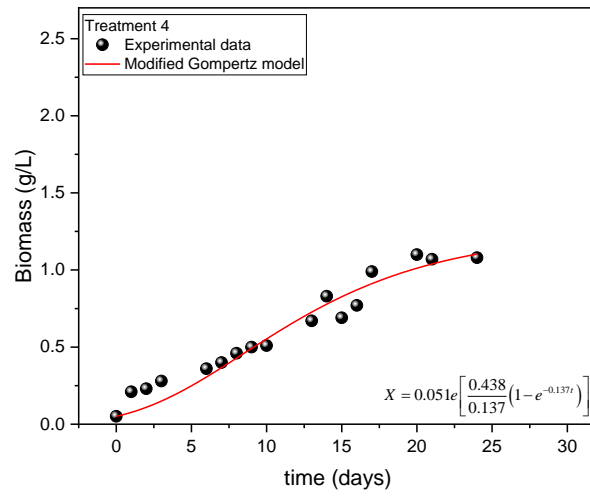
Figure S4. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 4

$$X = 0.051e\left[\frac{0.438}{0.137}\left(1-e^{-0.137t}\right)\right]$$
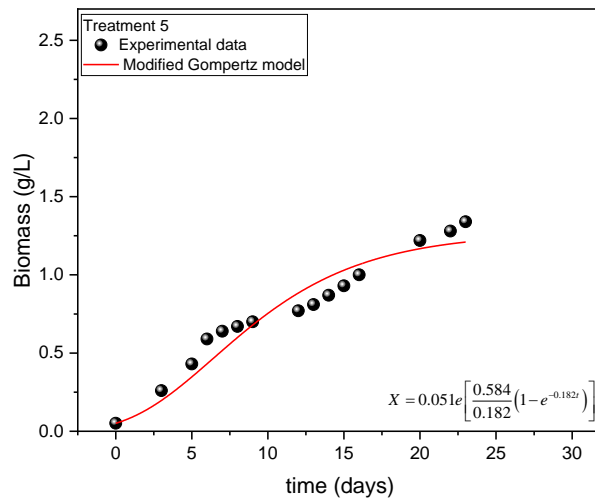
Figure S5. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 5

$$X = 0.051e\left[\frac{0.584}{0.182}\left(1-e^{-0.182t}\right)\right]$$
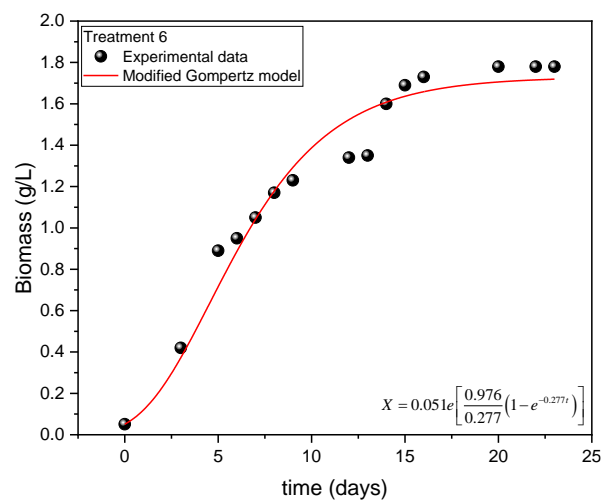
Figure S6. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 6

$$X = 0.051e\left[\frac{0.976}{0.277}\left(1-e^{-0.277t}\right)\right]$$
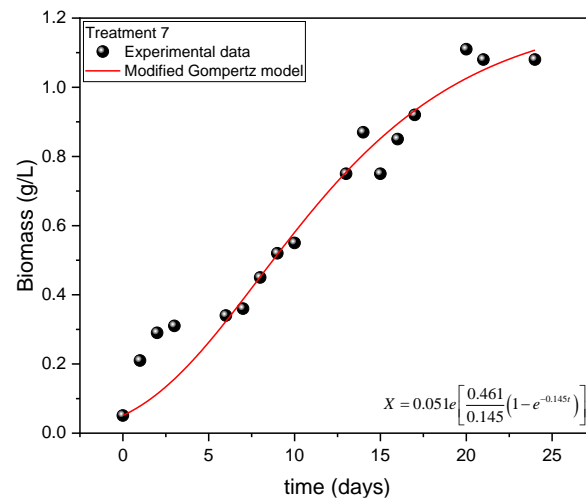
Figure S7. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 7

$$X = 0.051e\left[\frac{0.461}{0.145}\left(1-e^{-0.145t}\right)\right]$$

Figure S8. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 8

$$X = 0.051e\left[\frac{0.967}{0.274}\left(1-e^{-0.274t}\right)\right]$$

Figure S9. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 9

$$X = 0.051e\left[\frac{0.884}{0.251}\left(1-e^{-0.251t}\right)\right]$$

Figure S10. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 10

Figure S11. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 11
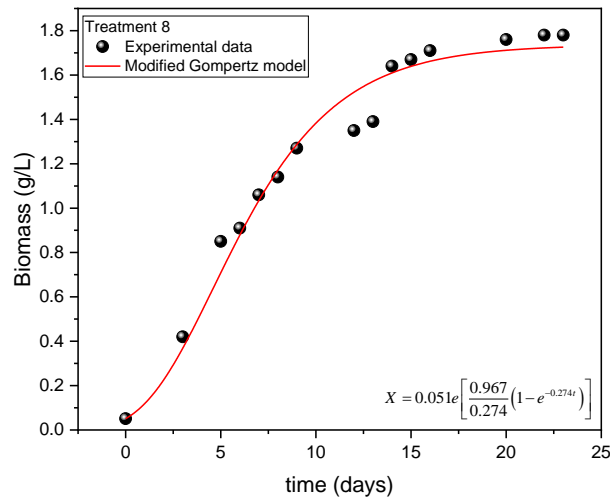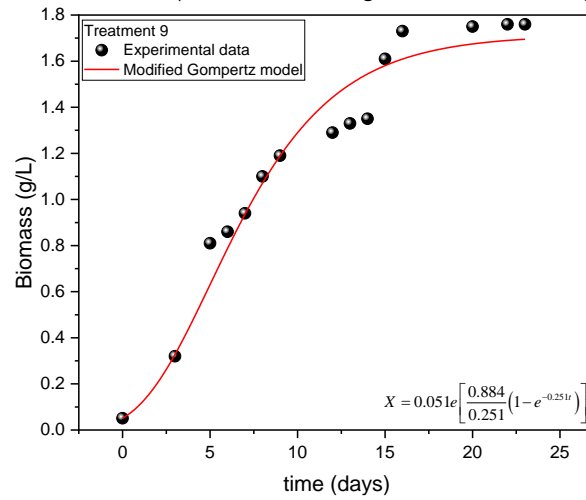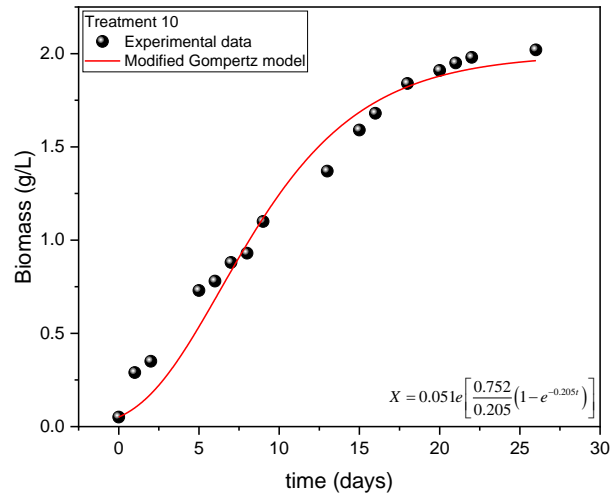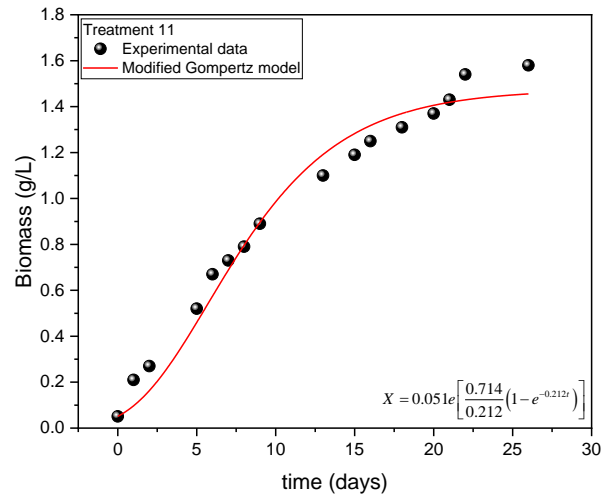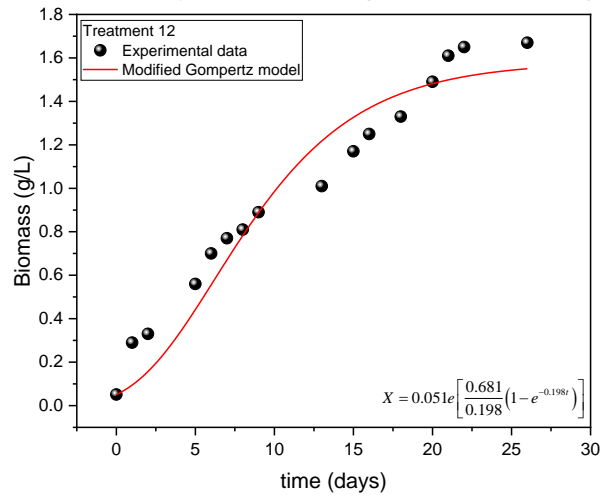

Figure S12. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 12
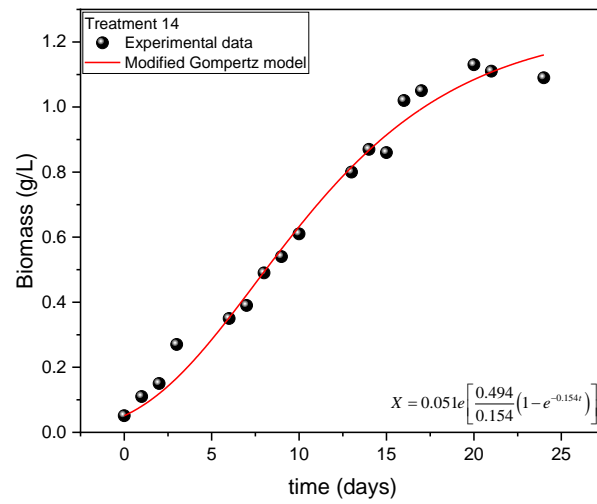
$$X = 0.051 e\left[\frac{0.494}{0.154}\left(1 - e^{-0.154t}\right)\right]$$

Figure S13. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 14

$$X = 0.051 e\left[\frac{1.337}{0.376}\left(1 - e^{-0.376t}\right)\right]$$
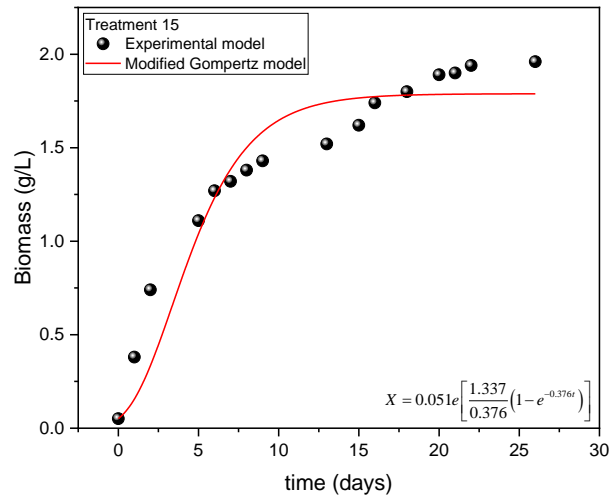
Figure S14. Fitting the modified Gompertz model to the growth of *Chlorella Vulgaris* in treatment 15