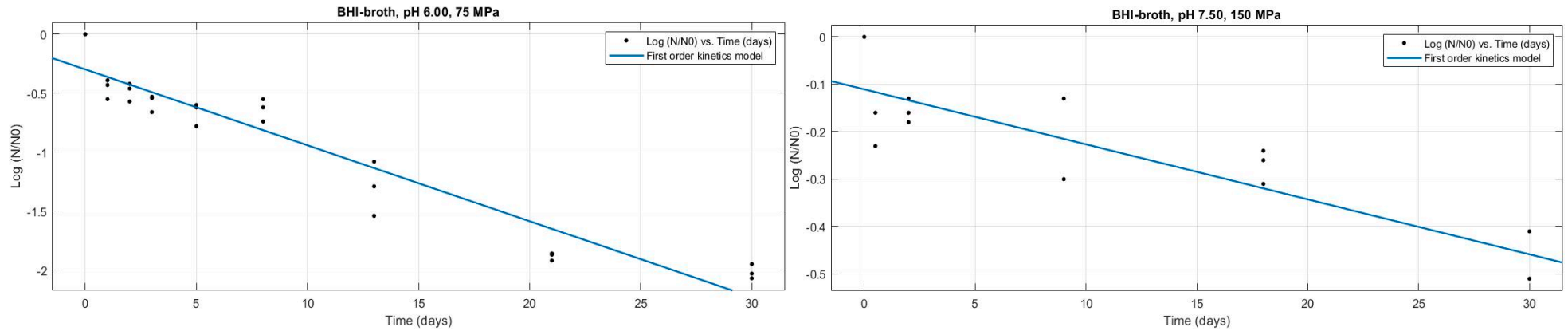


## Supplementary Materials

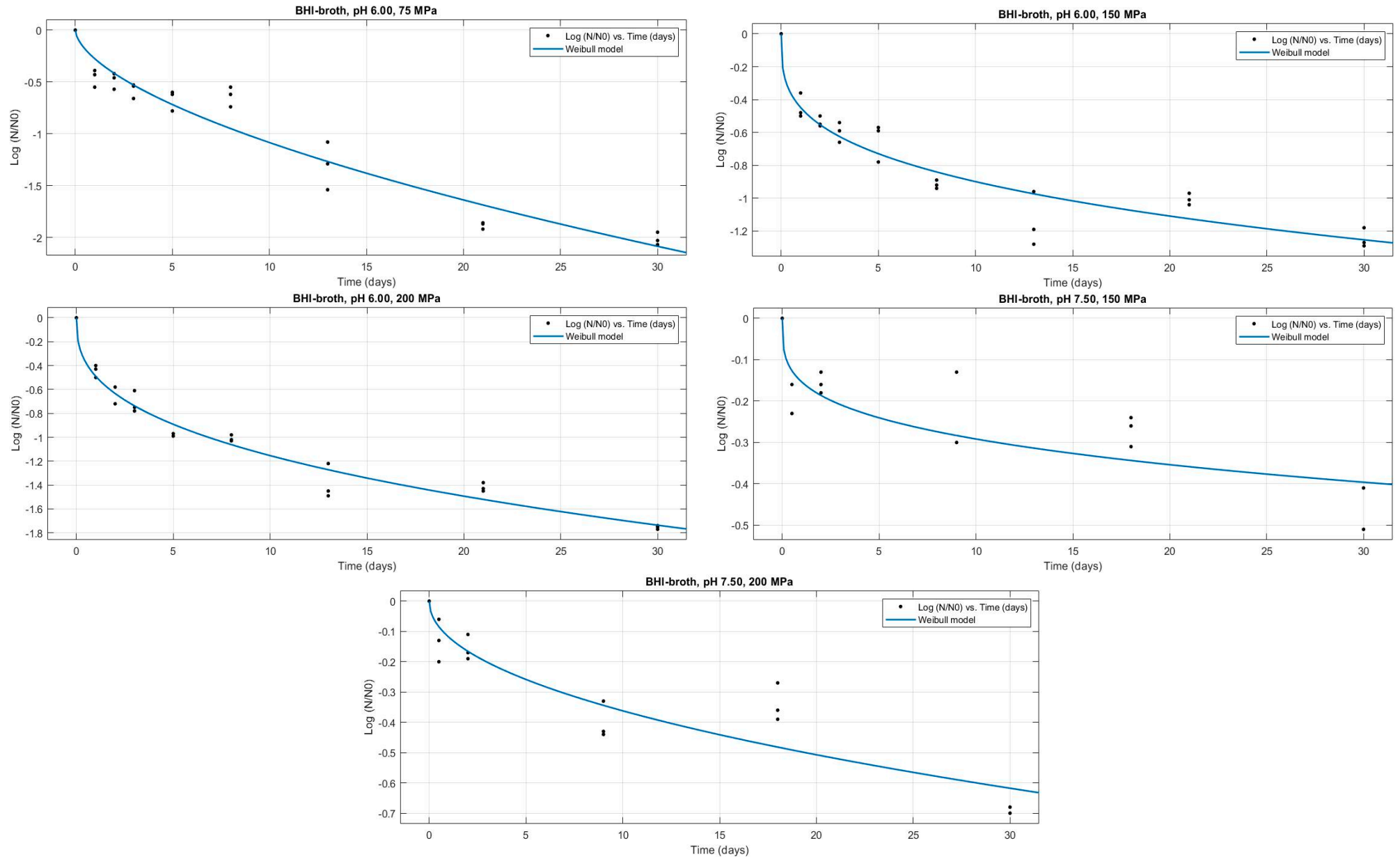
### BHI-broth, pH 4.50, 6.00 and 7.50, and coconut water, pH 5.40

#### First order kinetics model:

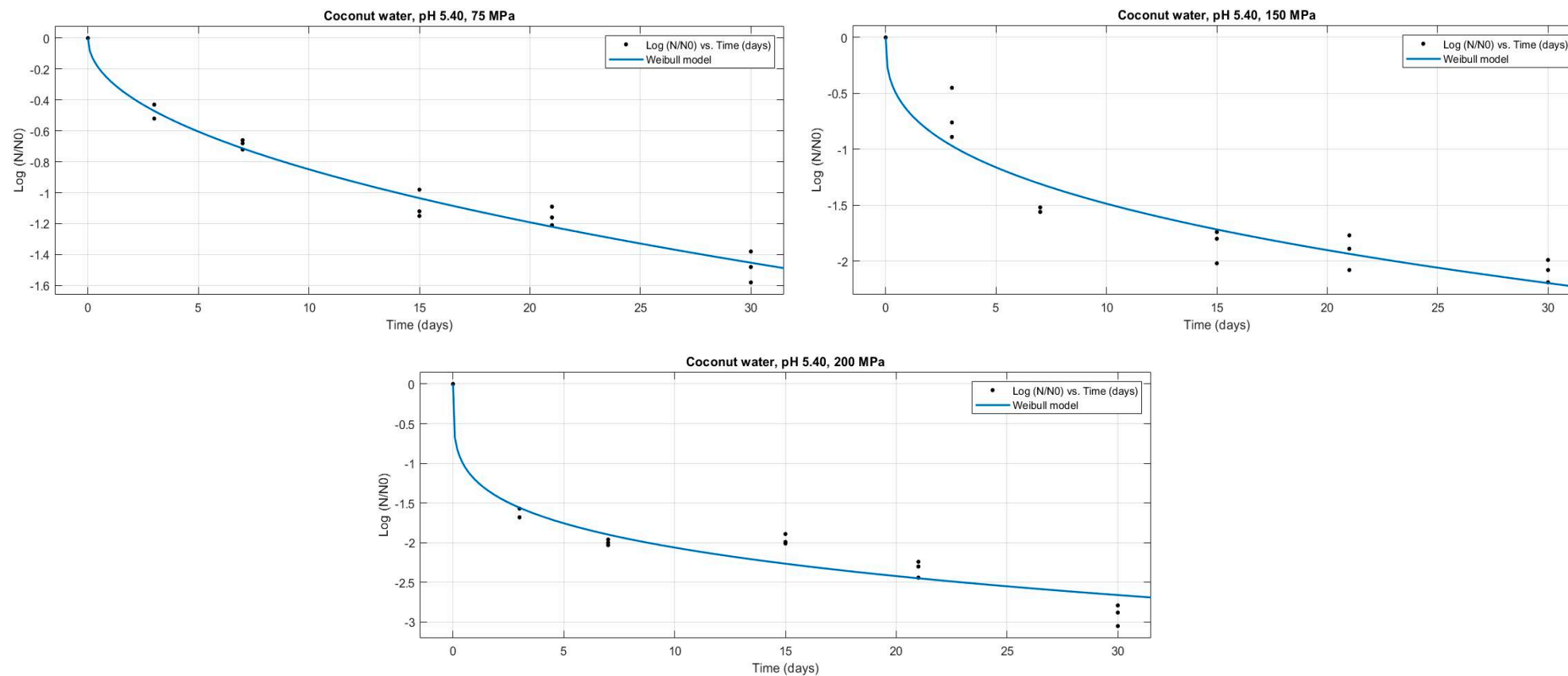


**Figure S1:** First order model fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth at pH 6.00 and 7.50. The red crosses indicate that the experimental data at the indicated storage times (in days) was not used for the model fitting.

## Weibull model:



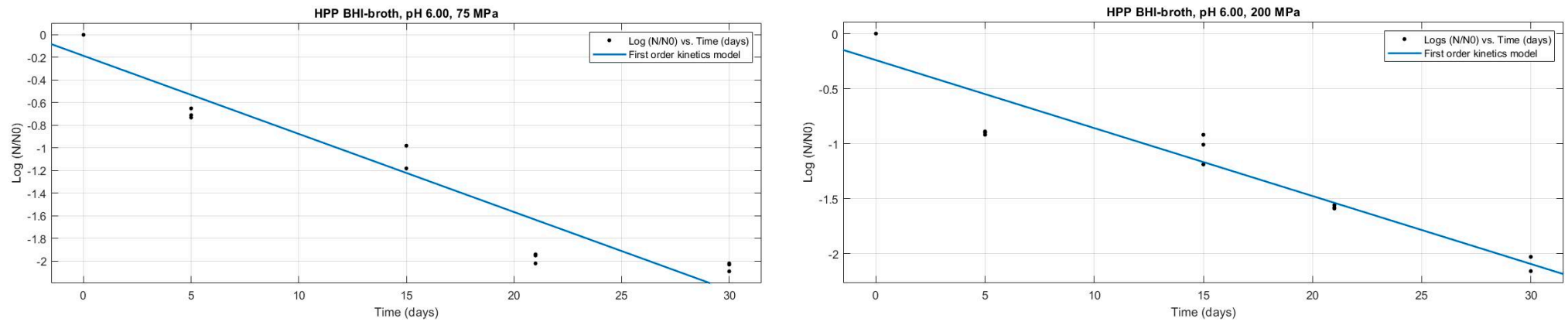
**Figure S2:** Weibull fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth at pH 6.00 and 7.50.



**Figure S3:** Weibull fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in coconut water, pH 5.40.

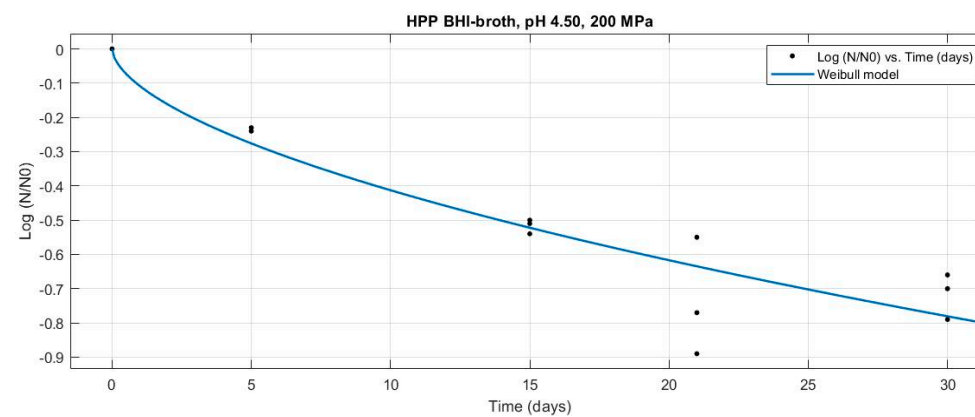
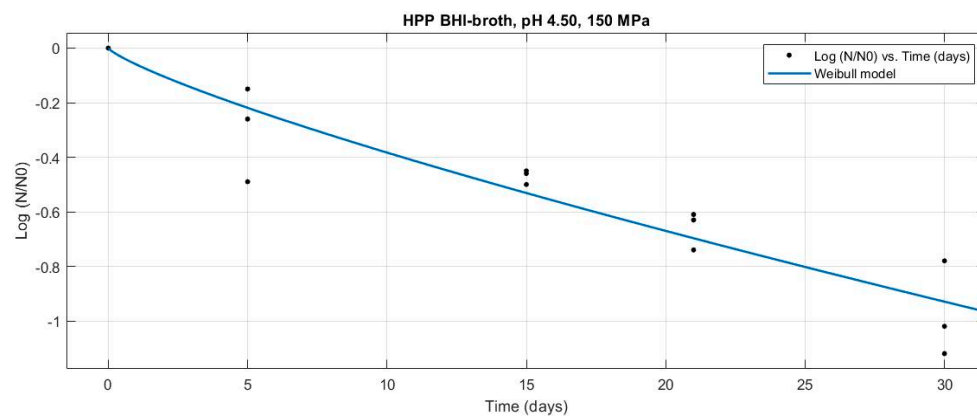
## High pressure processed BHI-broth, pH 4.50, 6.00 and 7.50, and coconut water, pH 5.40

### First order kinetics model:

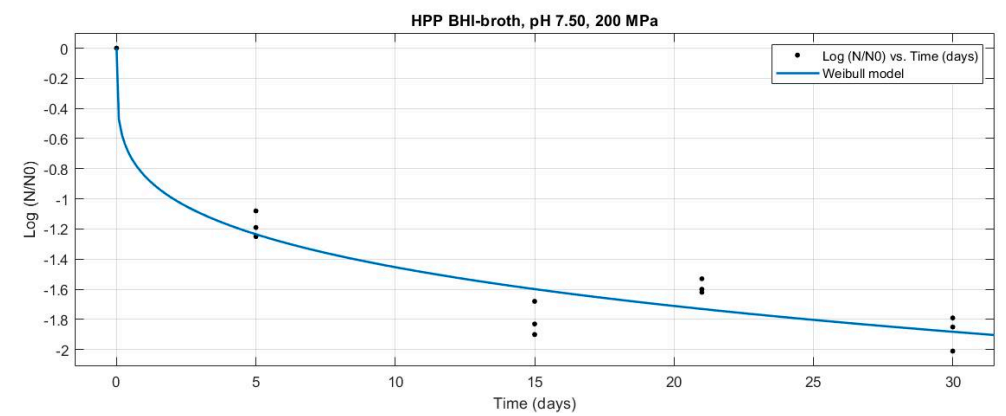
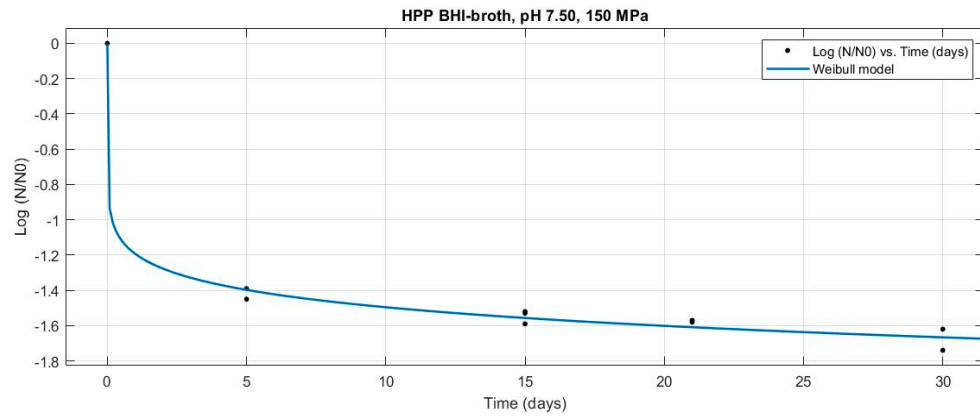
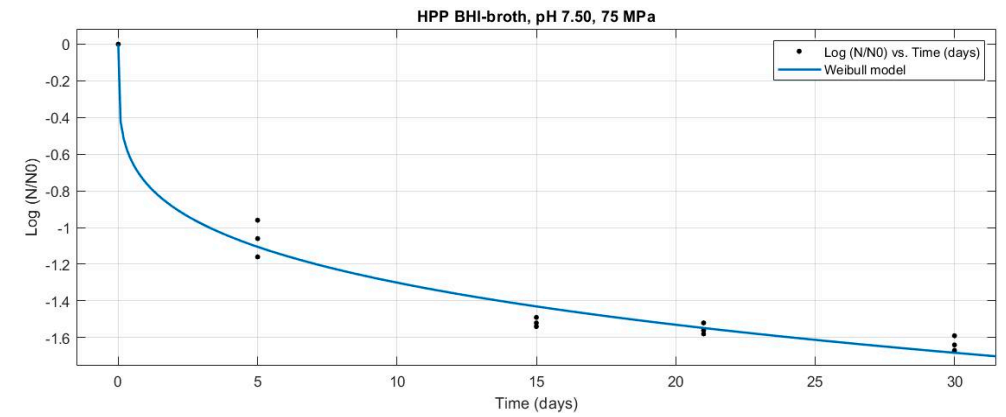
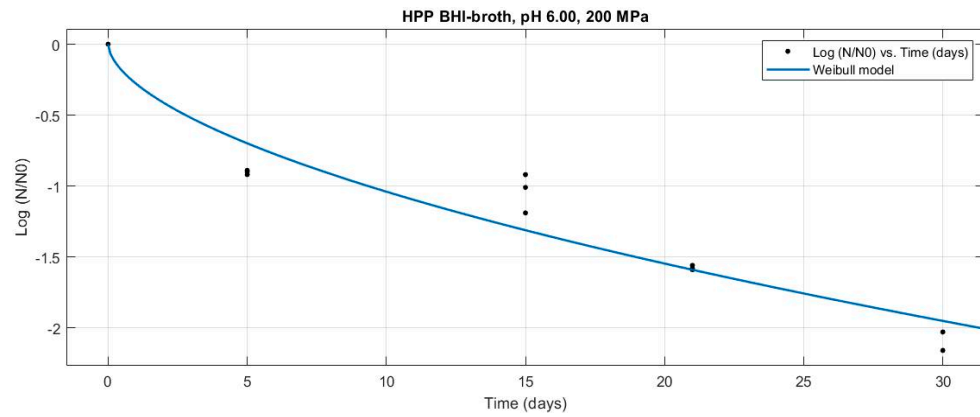
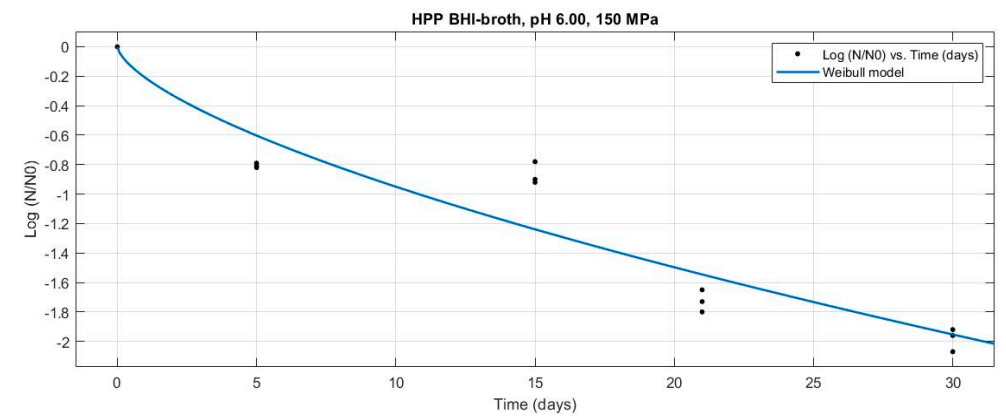
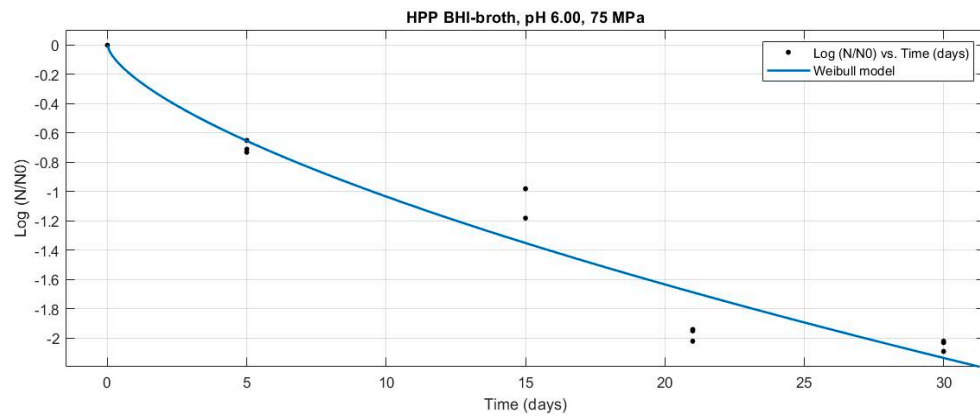


**Figure S4:** First order kinetics model fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth at pH 7.50 previously pasteurized by high pressure processing (600 MPa, 3 min, 17 °C, HPP).

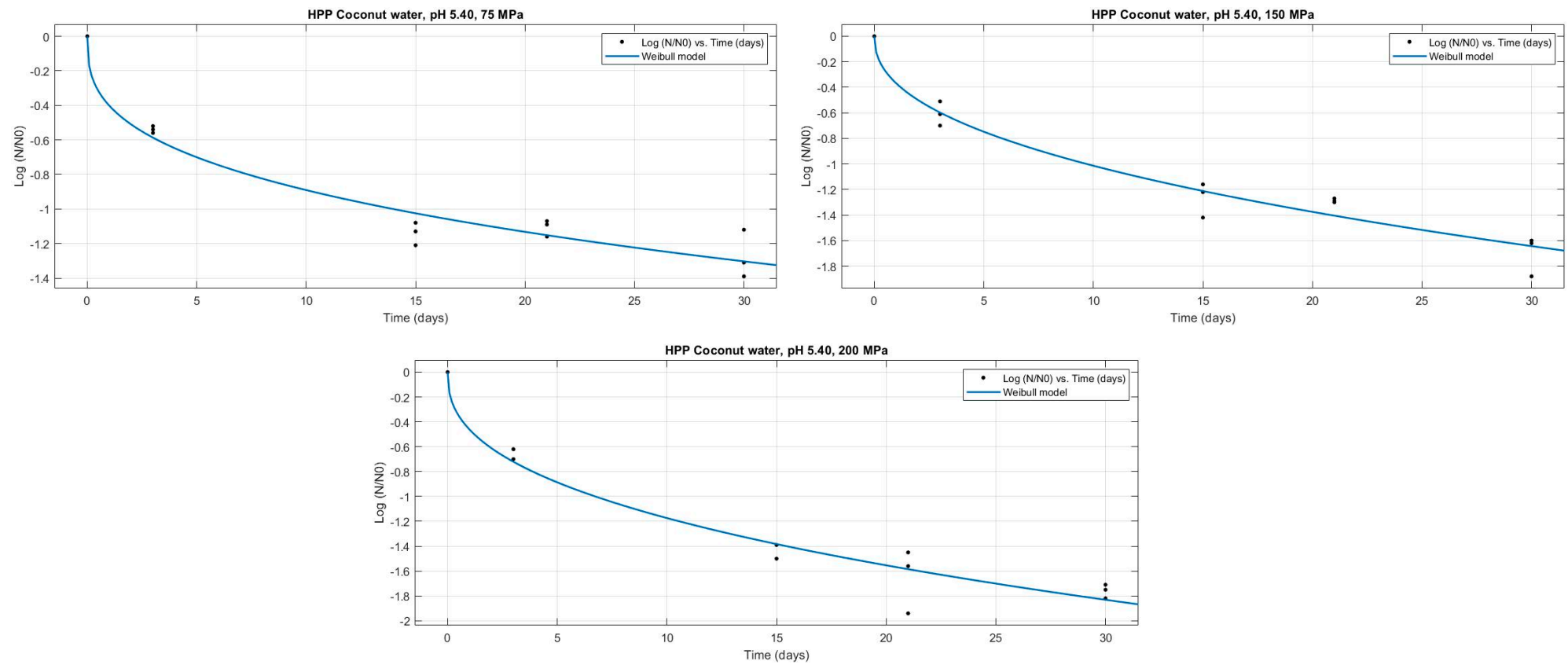
## Weibull model:



**Figure S5:** Weibull model fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (150 and 200 MPa, 18-23 °C) in BHI-broth at pH 4.50 previously pasteurized by high pressure processing (600 MPa, 3 min, 17 °C, HPP).



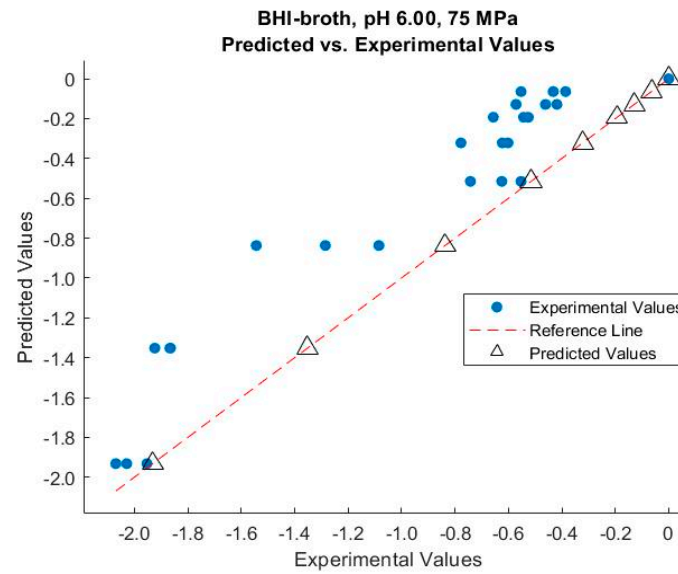
**Figure S6:** Weibull model fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth at pH 6.00 and 7.50 previously pasteurized by high pressure processing (600 MPa, 3 min, 17 °C, HPP).



**Figure S7:** Weibull model fitting for *Clostridium perfringens* endospores inactivation by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in coconut water, pH 5.40, previously pasteurized by high pressure processing (600 MPa, 3 min, 17 °C, HPP).

## BHI-broth, pH 4.50, 6.00 and 7.50, No activation

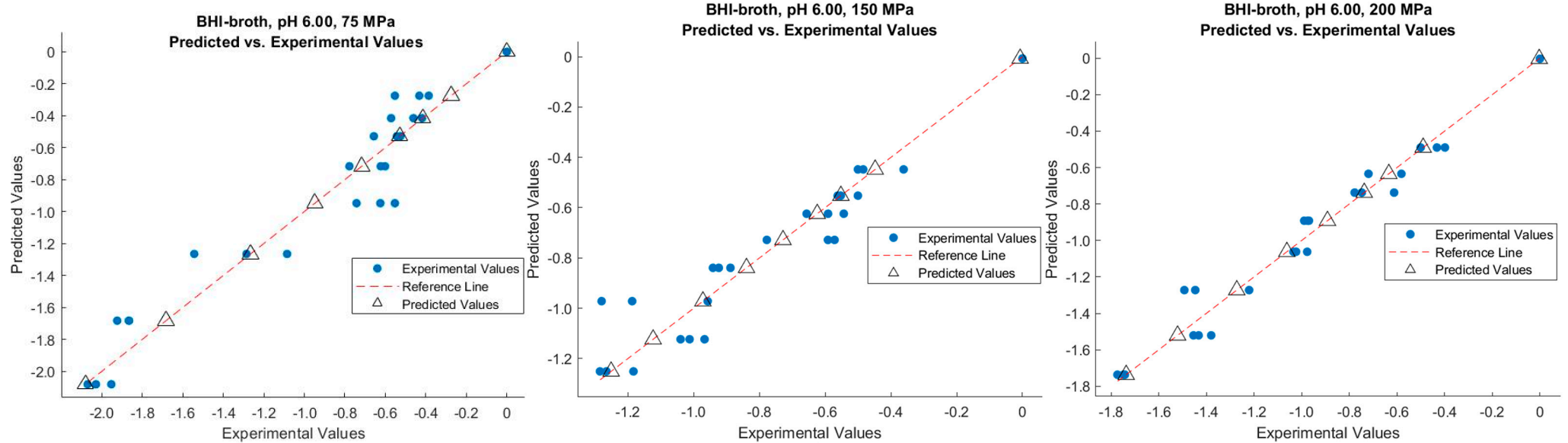
### First order kinetics model



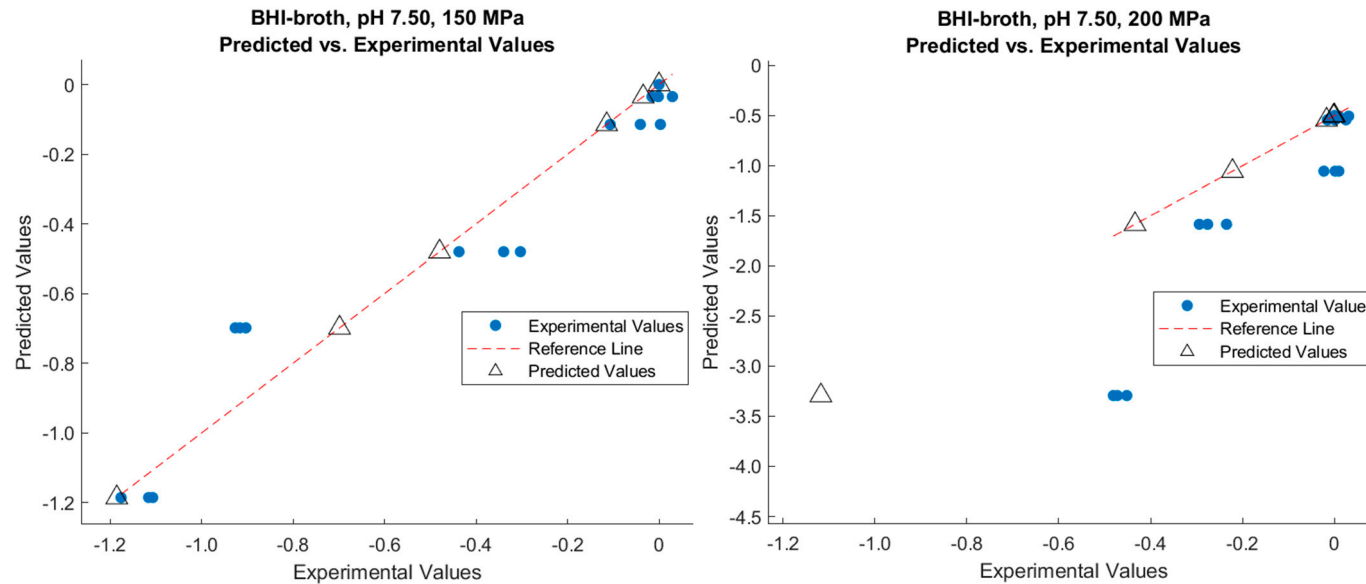
**Figure S8:** Experimental versus predicted values derived from the first order kinetics model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in brain-heart infusion broth (pH 4.50 and 6.00, BHI-broth). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.



### Weibull model:



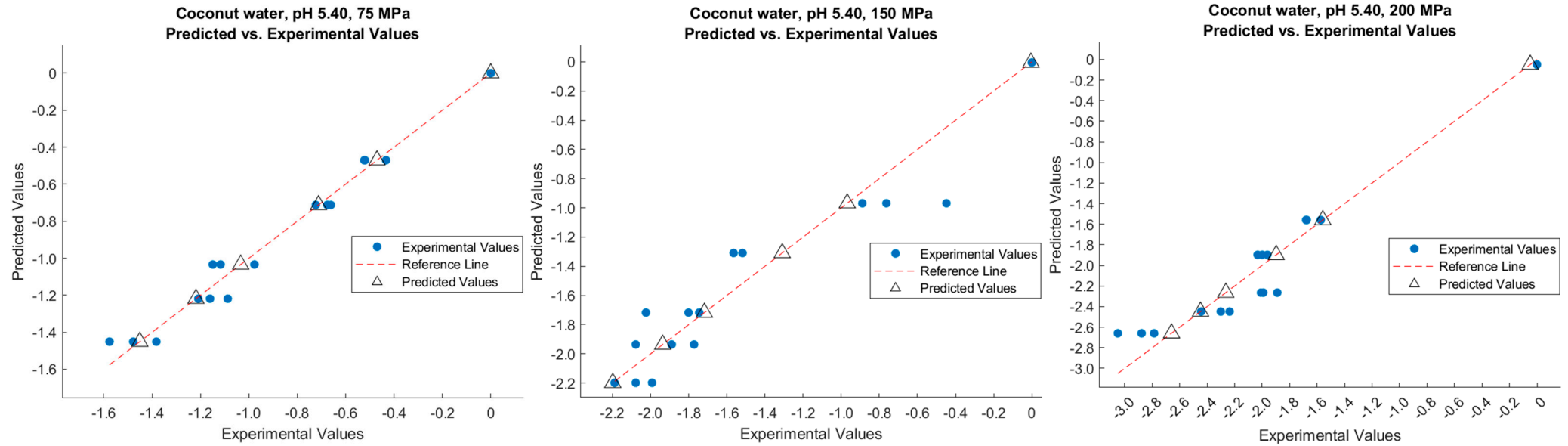
**Figure S9:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in brain-heart infusion broth (pH 4.50 and 6.00, BHI-broth). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.



**Figure S10:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in brain-heart infusion broth (pH 7.50, BHI-broth). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.

# Coconut water, pH 5.40, No activation

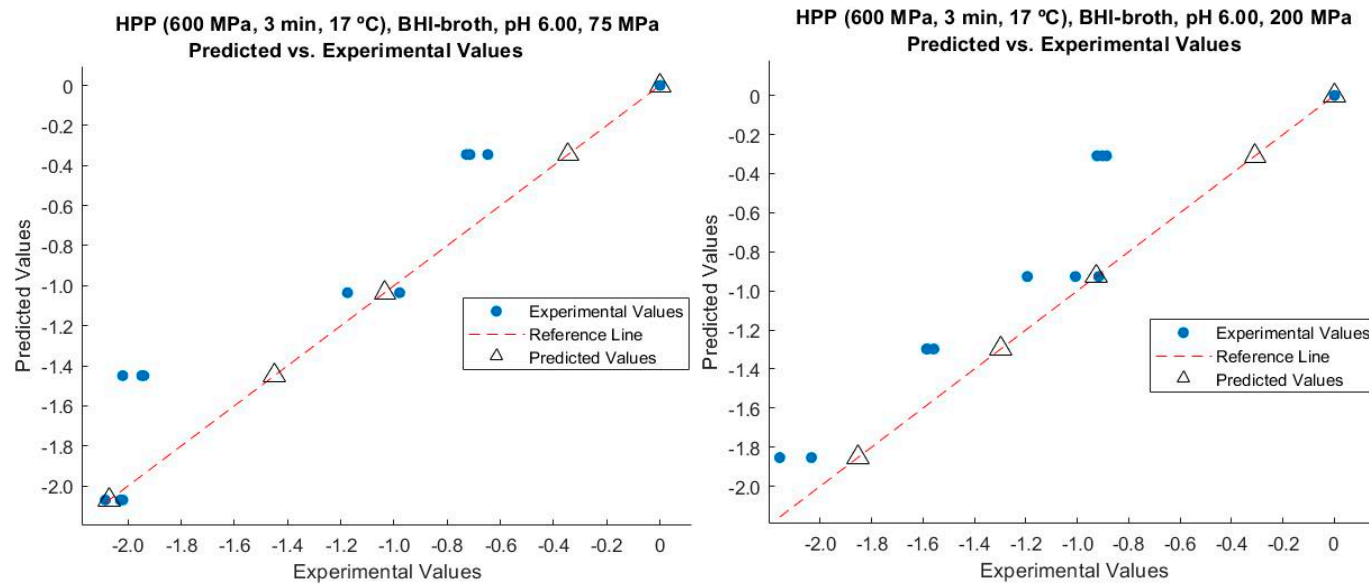
## Weibull model:



**Figure S11:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) coconut water (pH 5.40). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.

## BHI-broth, pH 4.50, 6.00 and 7.50, HPP activation

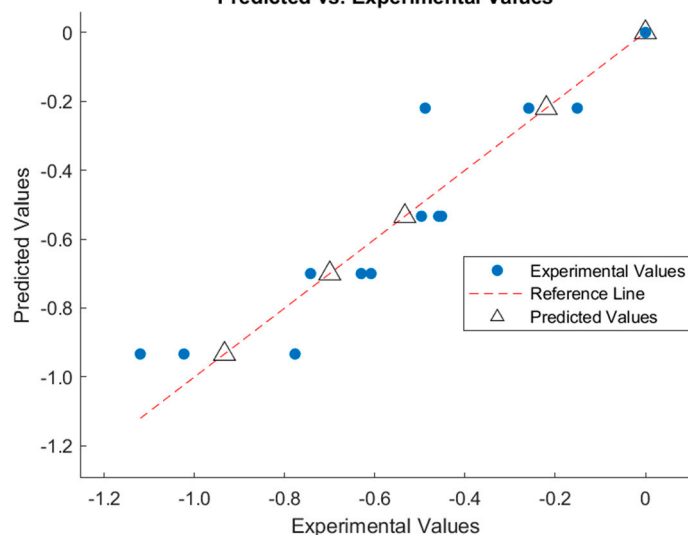
### First order kinetics model:



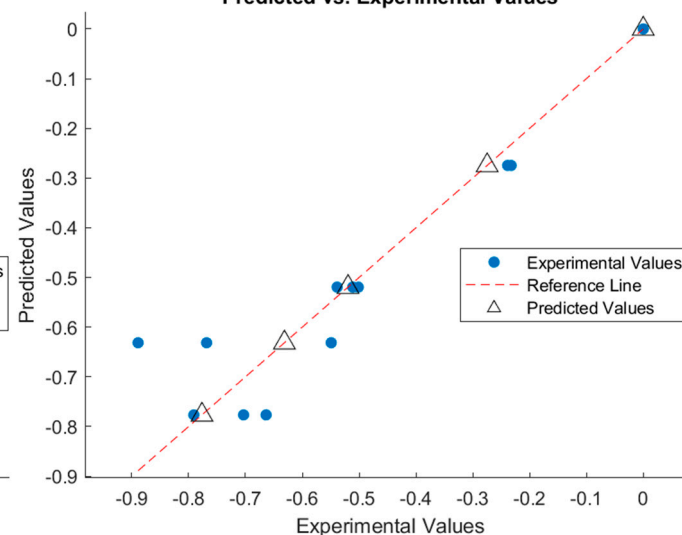
**Figure S12:** Experimental versus predicted values derived from the first order kinetics model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth (pH 4.50 and 6.00) pre-activated by high pressure processing (600 MPa, 3 min, 17 °C, HPP). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.

## Weibull model:

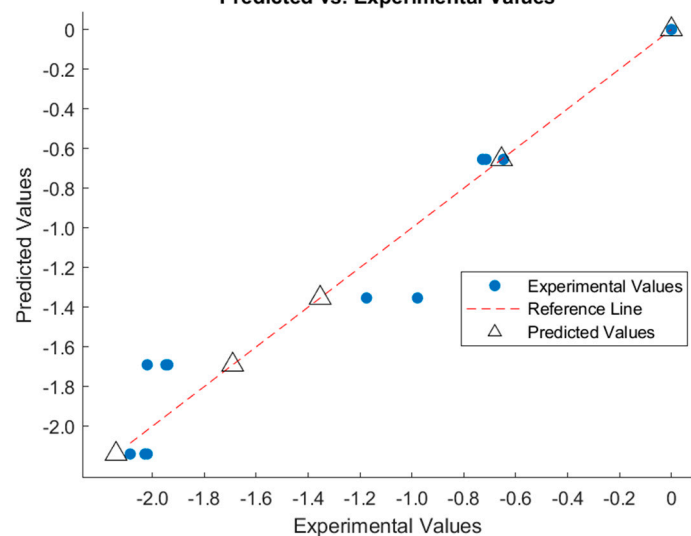
HPP (600 MPa, 3 min, 17 °C), BHI-broth, pH 4.50, 150 MPa  
Predicted vs. Experimental Values



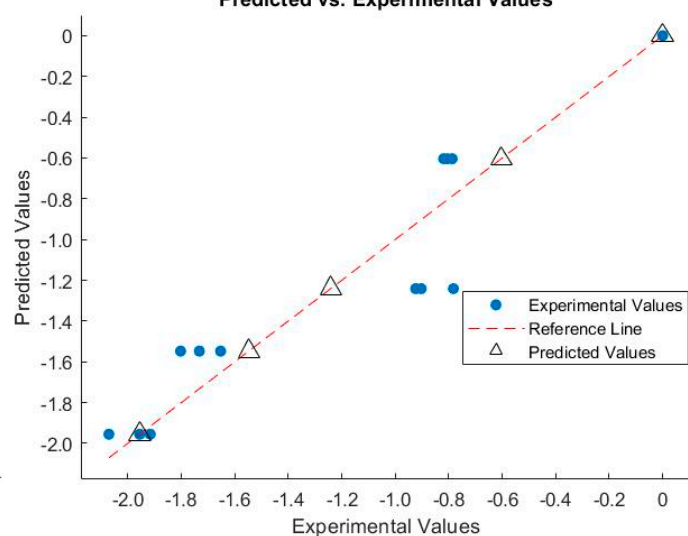
HPP (600 MPa, 3 min, 17 °C), BHI-broth, pH 4.50, 200 MPa  
Predicted vs. Experimental Values



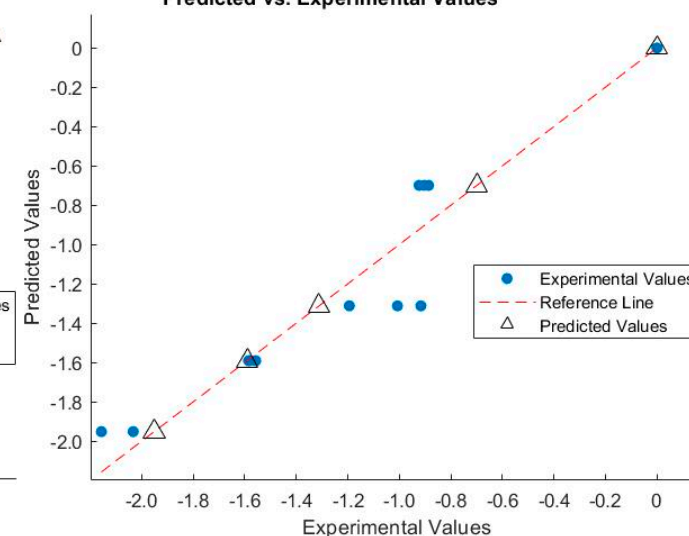
HPP (600 MPa, 3 min, 17 °C), BHI-broth, pH 6.00, 75 MPa  
Predicted vs. Experimental Values



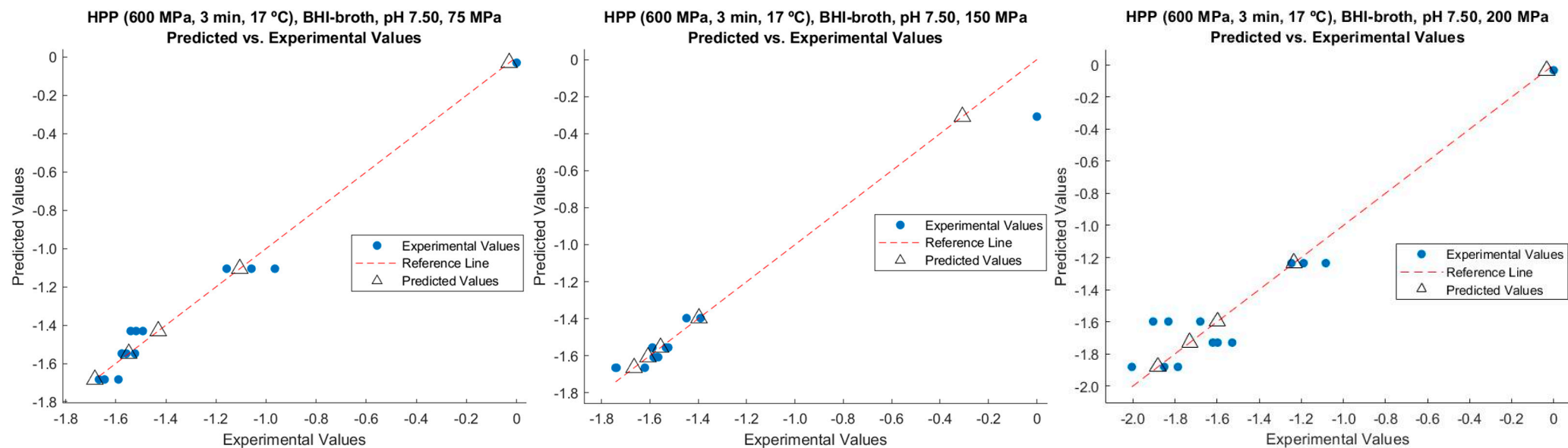
HPP (600 MPa, 3 min, 17 °C), BHI-broth, pH 6.00, 150 MPa  
Predicted vs. Experimental Values



HPP (600 MPa, 3 min, 17 °C), BHI-broth, pH 6.00, 200 MPa  
Predicted vs. Experimental Values



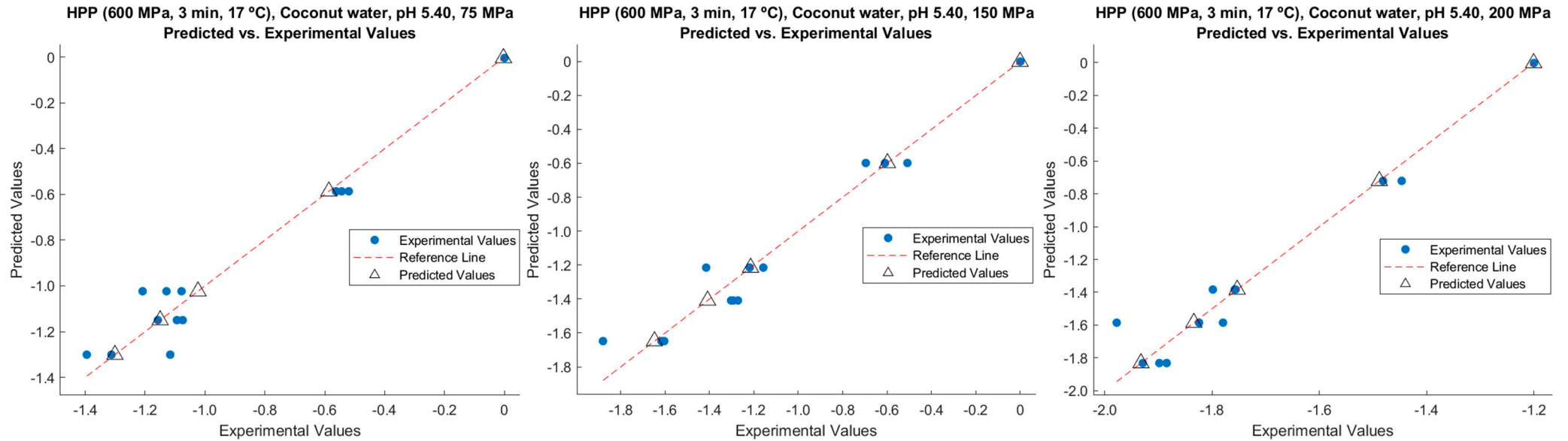
**Figure S13:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth (pH 4.50 and 6.00) pre-activated by high pressure processing (600 MPa, 3 min, 17 °C, HPP). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.



**Figure S14:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in BHI-broth (pH 7.50) pre-activated by high pressure processing (600 MPa, 3 min, 17 °C, HPP). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.

# Coconut water, pH 5.40, HPP activation

## Weibull model:



**Figure S15:** Experimental versus predicted values derived from the Weibull model describing the inactivation of *Clostridium perfringens* endospores by hyperbaric storage at uncontrolled room temperature (75-200 MPa, 18-23 °C) in coconut water (pH 5.40) pre-activated by high pressure processing (600 MPa, 3 min, 17 °C, HPP). The blue circles indicate the experimental values, while the triangles indicate the values predicted by the model.