

Supplementary materials

S: Figures

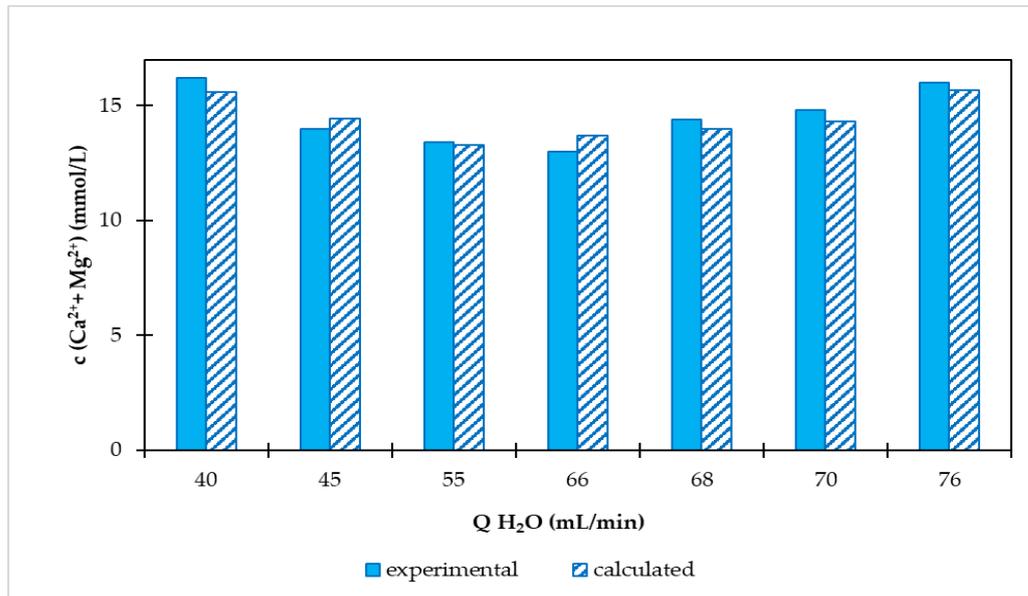


Figure S1. Calculated and measured concentrations of $\text{Ca}^{2+}+\text{Mg}^{2+}$ at different flows of treated water and CO_2 flow at the level of 0.5 L/min during operation of the laboratory FBRR

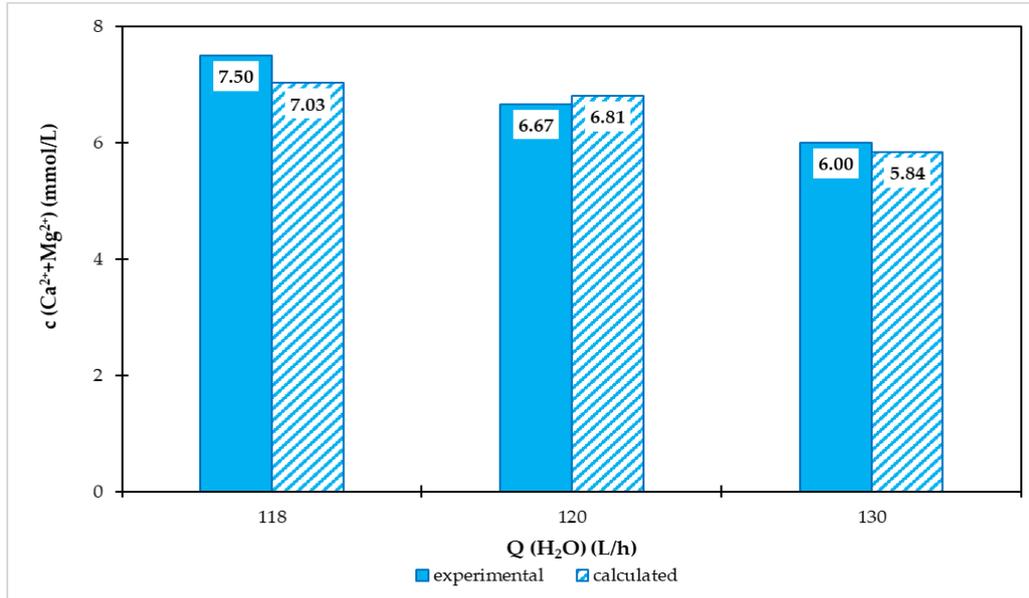


Figure S2 The total concentration of the sum of Ca^{2+} and Mg^{2+} ions in drinking water at $Q(\text{CO}_2) = 0.5$ L/min

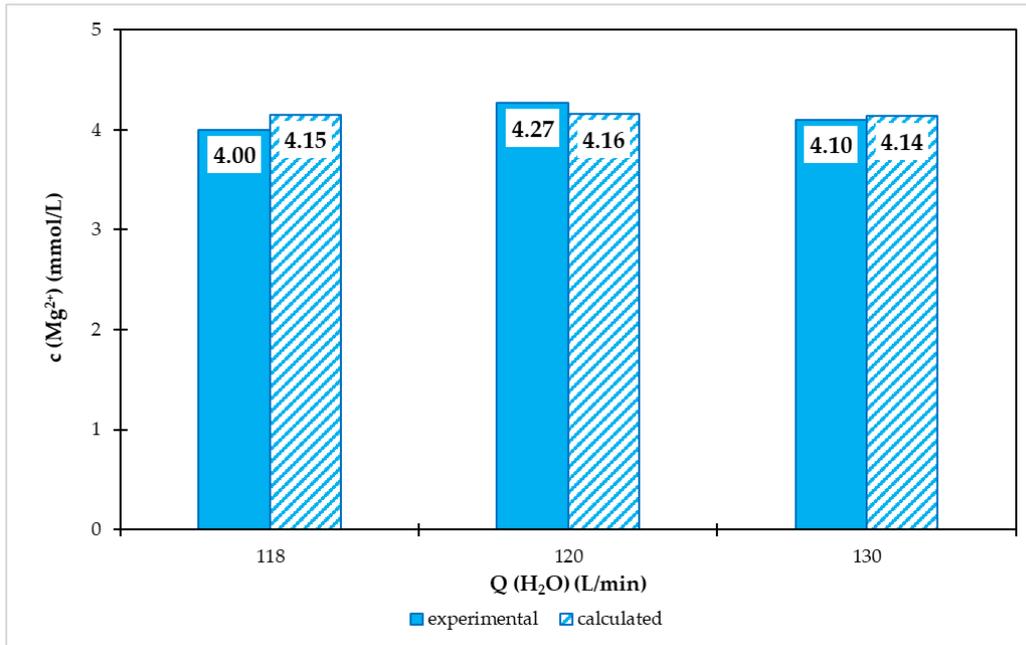


Figure S3. Molar concentration of Mg²⁺ in drinking water at Q(CO₂) = 0.5 L/min

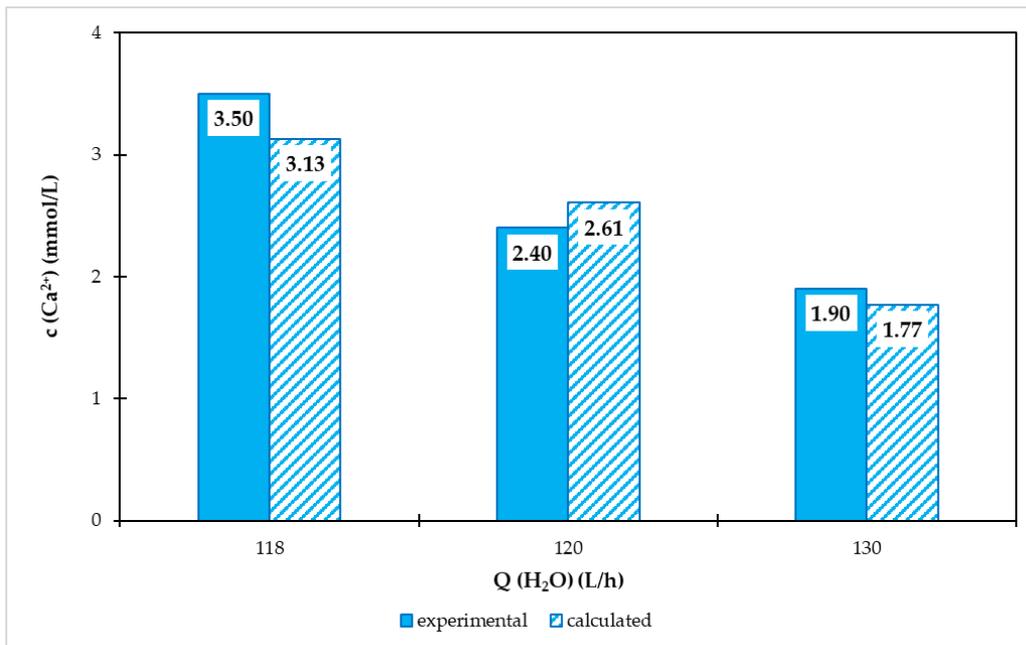


Figure S4. Molar concentration of Ca²⁺ in drinking water at Q(CO₂) = 0.5 L/min

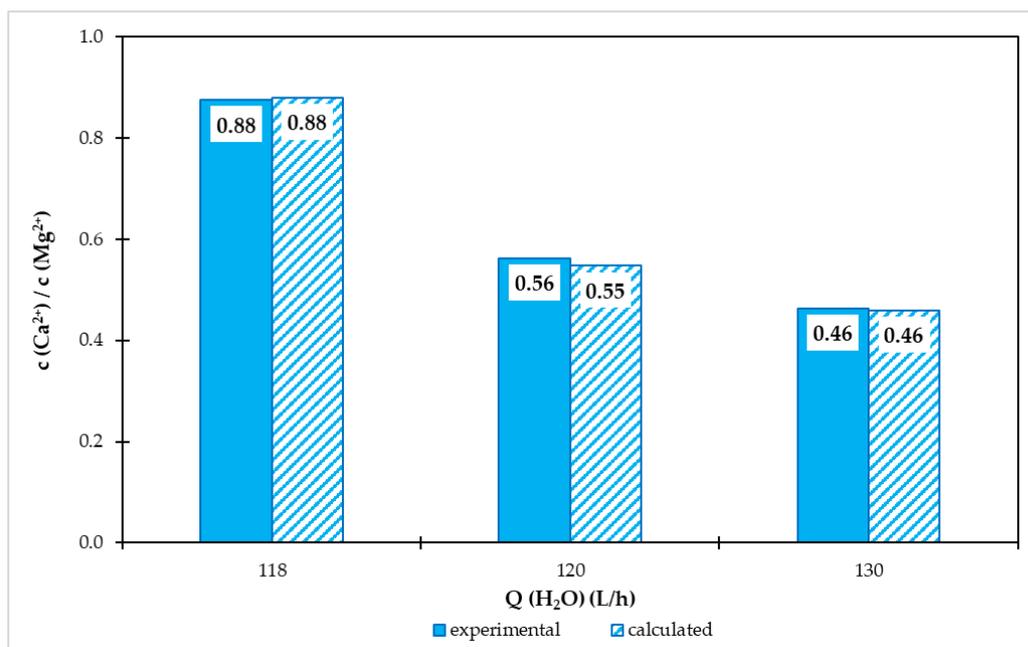


Figure S5. Molar concentration ratio of Ca²⁺ and Mg²⁺ in drinking water at Q(CO₂) = 0.5 L/min

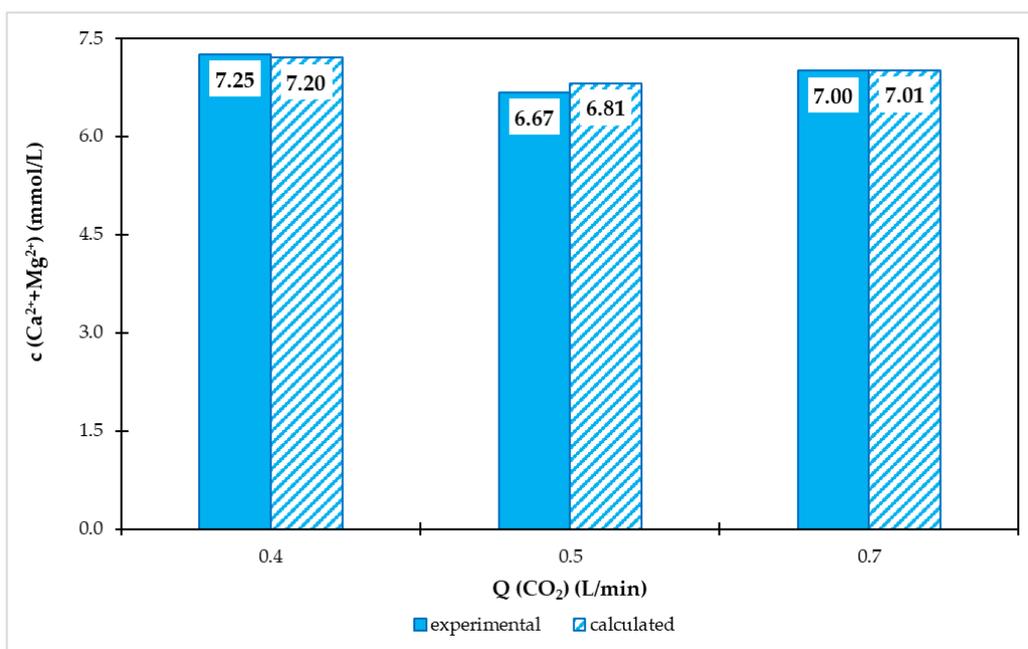


Figure S6. Molar concentration of the sum of Ca²⁺ and Mg²⁺ in drinking water at Q(H₂O) = 120 L/h

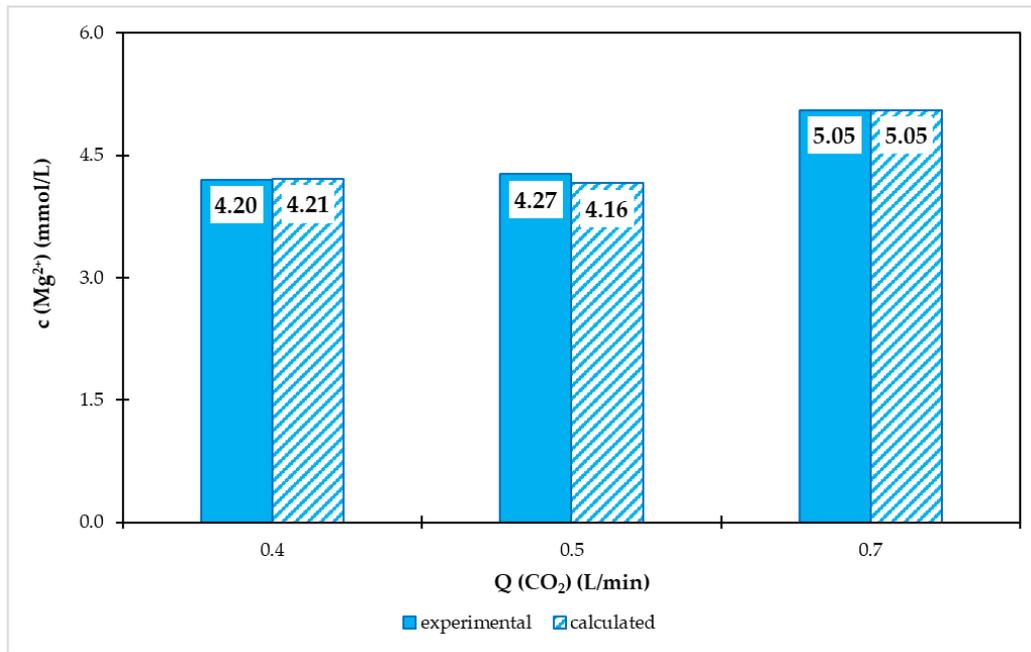


Figure S7. Molar concentration of the sum of Mg^{2+} in drinking water at $Q(H_2O) = 120$ L/h

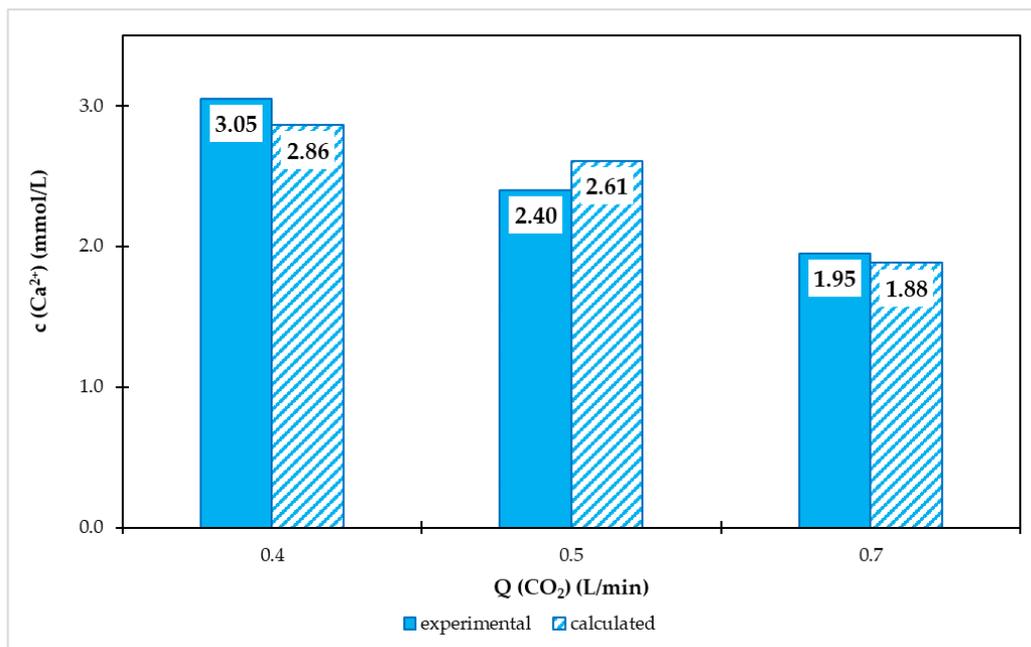


Figure S8. Molar concentration of the sum of Ca^{2+} in drinking water at $Q(H_2O) = 120$ L/h

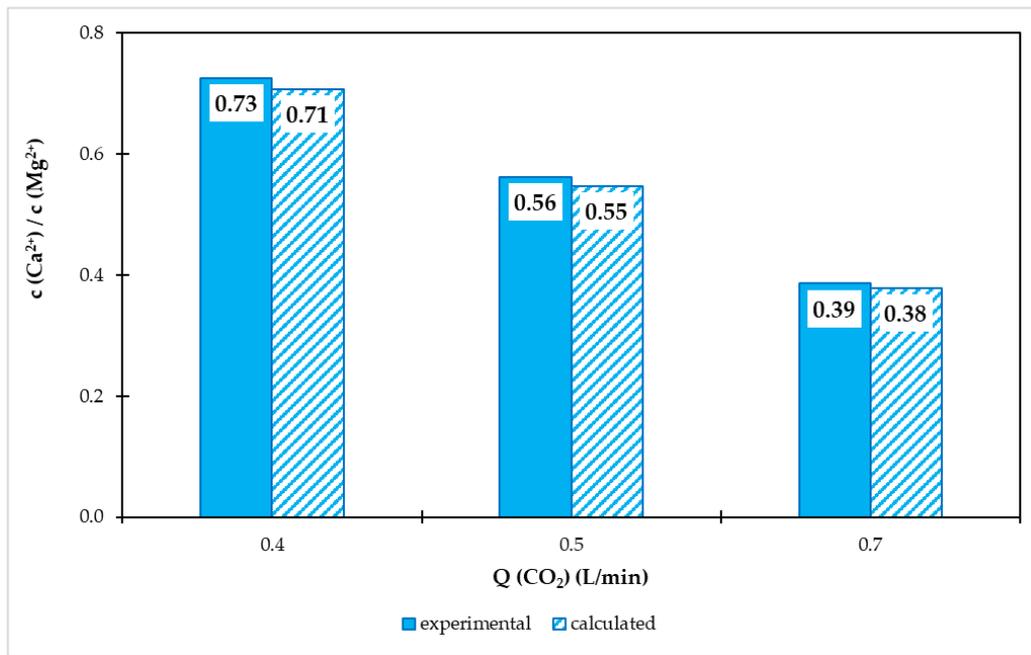


Figure S9. Molar ratio of Ca²⁺ and Mg²⁺ concentration in drinking water at Q(H₂O) = 120 L/h