Figure 1. Effect of moisture content and sulphuric acid volume on conversion of PHA to crotonic acid. 0.01 g of waterlogged peat (solid line) and peat dried at 60˚C (dashed line) were digested in the volume of sulphuric acid indicated (x axis) at 90˚C for 30 minutes. After cooling the digested samples for an additional 30 minutes, samples were diluted 1:20 with deionized water and crotonic acid concentration measured by HPLC. Error bars are ± 1 standard error (*n* = 6).

Figure 2. Effect of increasing digestion time on conversion of PHA to crotonic acid at 90˚C. 0.01 g of waterlogged peat were digested in 4 mL of sulphuric acid at 90˚C for the amount of time indicated (x axis). After cooling the digested samples for an additional 30 minutes, samples were diluted 1:20 with deionized water and crotonic acid concentration measured by HPLC. Error bars are ± 1 standard error (*n* = 6).