



## Corrigendum

## Corrigendum to “Kinetics of mixed succinic acid/acetic acid esterification with Amberlyst 70 ion exchange resin as catalyst” [Chem. Eng. J. 188 (2012) 98–107]

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The authors regret that an error was made in the first line of Table 4 on page 102. The corrected table can be found below.

In Eq. (11) on page 103, the term in brackets was not corrected in proof. The correct term in brackets in Eq. (11) is

$$[(X_{\text{MES}})_{\text{MES}}(X_{\text{EtOH}})_{\text{EtOH}} - (X_{\text{DES}})_{\text{DES}}(X_{\text{H}_2\text{O}})_{\text{H}_2\text{O}}/K_{a,2}]$$

In Table S1 of the Supplementary Information, the values of EtOH:AcAc feed ratio for Experiments 84–88 were reported incorrectly. The correct values have been inserted into the Supplementary Information for this publication.

The authors would like to apologise for any inconvenience caused.

**Appendix A. Supplementary data**

Supplementary data associated with this article can be found, in the online version, at <http://dx.doi.org/10.1016/j.cej.2013.06.001>.

**Table 4**

Optimized parameters with 95% confidence intervals for pseudo-homogeneous kinetic models.

Parameter	Mole fraction	Activity
<i>SA esterification</i>		
$k_{0,1}$ (kmol/kg <sub>CAT</sub> ) (1/s)	31,900 ± 2900	155,000 ± 15,000
$E_{a,1}$ (kJ/kmol)	53,400 ± 200	54,300 ± 200
$K_{a,1}$	9.0 ± 0.1	34.7 ± 0.2
$k_{0,2}$ (kmol/kg <sub>CAT</sub> ) (1/s)	228,000 ± 16,000	577,000 ± 187,000
$E_{a,2}$ (kJ/kmol)	60,900 ± 300	63,400 ± 1100
$K_{a,2}$	1.3 ± 0.1	10.2 ± 0.6
<i>AcAc esterification</i>		
$k_{0,3}$ (kmol/kg <sub>CAT</sub> ) (1/s)	15,600 ± 300	2430 ± 30
$E_{a,3}$ (kJ/kmol)	48,700 ± 200	42,800 ± 200
$K_{a,3}$	3.0 ± 0.1	12.5 ± 0.1
<i>EtOH dehydration</i>		
$k_{0,4}$ (kmol/kg <sub>CAT</sub> ) (1/s)	5650 ± 5470	3080 ± 3080
$E_{a,4}$ (kJ/kmol)	78,400 ± 3200	76,500 ± 3400

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