Supplementary material

Table S1. Inputs and outputs of the inventory. Data referred to 1 g of treated char

Parameters		**Unit**	**char**	**Char-CA-1.0**	**AC**	**AC-CA-1.0**
Inputs	Water for washing	mL	0.617	0.617	1000	1000
	Water for 2nd washing	L	0	2.5	0	2
	HCl 37% w/w	mL	1.11	1.11	2.25	2.25
	Citric acid 1 M	g	0	6.25	0	6.25
	Calcium carbonate	g	0	0	1	1
	Electric energy for the oven	kJ	0	0	364.8	364.8
	Electric energy for drying	kJ	0	6.48	6.48	6.48
	Electric energy for 2nd drying	kJ	0	3.24	0	9.72
	Electric energy for 3rd drying	kJ	0	6.48	0	6.48
Outputs	HCl 37% w/w	mL	1.11	1.11	2.25	2.25
	Wastewater from washing	mL	0.617	0.617	1000	1000
	Wastewater from 2nd washing	L	0	2.5	0	1
	Wastewater from citric acid solution	mL	0	5.05	0	5.05