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Corrigendum

Corrigendum to "Comparative adsorption of ciprofloxacin on sugarcane bagasse from Ecuador and on commercial powdered activated carbon" [Sci. Total Environ., volume 750 (2021) Start page 477–End page 488/141498]

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The authors regret that the printed version of the above article contained a number of errors. The correct and final version follows. The authors would like to apologise for any inconvenience caused.

Table 1
List of equilibrium and kinetic models.

	Model	Equation	Description	Reference
Equilibrium models	Langmuir	$\frac{C_e}{q_e}=\frac{C_e}{q_m}+\frac{1}{K_L q_m}$ $R_L=\frac{1}{1+K_L C_o}$	($R_L = 0$), favorable ($0 < R_L < 1$), linear ($R_L = 1$) or unfavorable ($R_L > 1$)	(Food and Hammed, 2010; Xiao et al., 2021)
	Freundlich	$\log q_e = \log K_F + \frac{1}{n}\log C_e$		(Food and Hammed, 2010)
	Brunauer-Emmet-Teller (BET)	$q_e=\frac{q_S C_{BET} C_e}{(C_s-C_e)\left[1+(C_{BET}-1)\left(\frac{C_e}{C_s}\right)\right]}$		(Ebadi et al., 2009)
Kinetic models	Pseudo first order	$\ln(q_e - q_t) = ln\, q_e - k_1 t$		(Yuh-Shan, 2004)
	Pseudo second order	$\frac{t}{q_t}=\frac{1}{K_2 q_e^2}+\frac{2}{q_e}t$		(Ho and McKay, 1999)
	Weber and Morris	$q_t = K_d t^{0.5} + C$ $R_i = 1-\left(\frac{C}{q_{ref}}\right)$	R_i is the ratio of the initial adsorption amount (C) to the final adsorption amount (q_{ref})[a]	(Wu et al., 2009)

[a] q_{ref} (mg g^{-1}) is the solid phase concentration at time $t = t_{ref}$ for an adsorption system; t_{ref} is the longest time in the adsorption process.

Table 5
Kinetic parameters of CPX adsorption on SB and PAC.

Adsorbent	Experimental q_e (mg g^{-1})	Pseudo-first order			Pseudo-second order			Weber and Morris	
		q_e (mg g^{-1})	K_1 (min^{-1})	R^2	q_e (mg g^{-1})	K_2 (g mg^{-1} min^{-1})	R^2	C (mg g^{-1})	R^2
SB	5.72	5.73	0.046	0.76	5.81	0.090	0.99	2.87	0.92
PAC	50.12	50.0	0.083	0.96	51.2	0.0045	0.99	27.31	0.91

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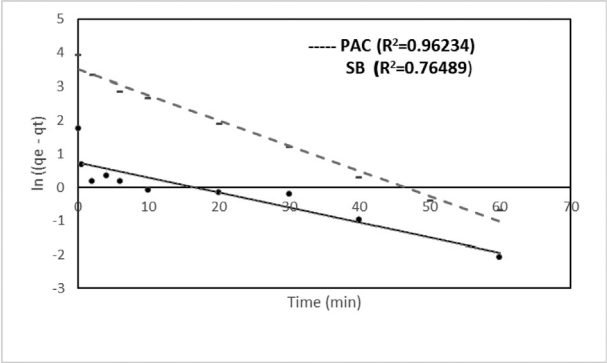
Fig. S2. Pseudo-first-order kinetic plots for the adsorption of CPX on SB and PAC (CPX: 20 mg L^{-1}, 30 °C, PAC: 0.3 g L^{-1}; SB: 3 g L^{-1}).



Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.