

Letters to the Editor

Two articles recently published in *Adsorption Science & Technology* (Volume 27) have presented the concept of the “pseudo-second-order kinetic model” (Mande *et al.* 2009; Xu *et al.* 2009). In Section 3.3 of the first of these, Mande *et al.* noted that “modelling of the data for the removal of Cr(VI) ions from aqueous solution onto AMC and ABP was investigated by applying the well-known pseudo-second-order kinetic model” with the equation below being cited without an appropriate reference:

$$\frac{1}{q_t} = \frac{1}{kq_e^2} + \frac{t}{q_e}$$

The equation is not correct. The correct expression for the pseudo-second-order kinetic model was reported by Ho and McKay (1998) and may be written as:

$$\frac{t}{q_t} = \frac{1}{kq_e^2} + \frac{1}{q_e}t$$

A review of second-order models for adsorption systems has also been presented (Ho 2006).

In the second paper (Xu *et al.* 2009), the authors cited Castro *et al.* (2001) as the source of the pseudo-second-order kinetic model. However, this quotation is in error. There is nothing relating to the kinetic model in the reference. Citing the original paper not only respects the work of the authors who presented a novel research idea but also discussed this idea in detail in the body of their paper.

Accuracy of quotations and citations are very important for the transmission of scientific knowledge. Authors should make serious efforts to check the accuracy of the references cited in their manuscripts. They should also read the original article before quoting it, rather than citing from abstracts or cross-references (Gupta *et al.* 2005). In my view, Mande *et al.* and Xu *et al.* should have cited the original paper for the kinetic models and thereby provided greater accuracy and information details about the kinetic expression they employed.

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