



Letter to the Editor

Comments on “Kinetics of naphthalene adsorption on an activated carbon: Comparison between aqueous and organic media” by B. Cabal et al. [Chemosphere 76 (4) (2009) 433–438]

Recently, Cabal et al. (2009) published the paper noted above. In Section 3, Results and discussion, the authors noted an initial adsorption rate (h_0). In fact, Ho has presented a definition for the initial adsorption rate from the pseudo-second-order model (Ho, 1995; Ho et al., 1996). A modified equation has also been made in the following years because a mistake was included in the paper published in 1996 (Ho and McKay, 1998, 2000; Ho, 2006). However, the authors noted that “Based on the 2nd order model, the initial adsorption rate (h_0) and the half adsorption time ($\tau^{1/2}$) can be estimated according to the equations: $h_0 = k_2 q_e^2$ ” without any citations.

In addition, in 2.2. Adsorption studies, the authors noted an intraparticle diffusion model with Eq. (3). However, the equation presented in the paper could not be found in the original paper of Weber and Morris (1963).

Accuracy of quotations and citations is very important for the transmission of scientific knowledge. I suggest that Cabal et al. cite the original or the most frequently cited papers for the initial adsorption rate and the intraparticle diffusion model to have more accuracy and details of information about their expression.

References

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