energies

Improving the Methodology for Determining the Biomass/Coal Co-Combustion Ratio: Predictive Modeling of the ^{14}C Activity of Pure Biomass

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Figure S1. The relationship between atmospheric $^{14}CO_2$ activity and several local economic indicators of several cities in 2010.

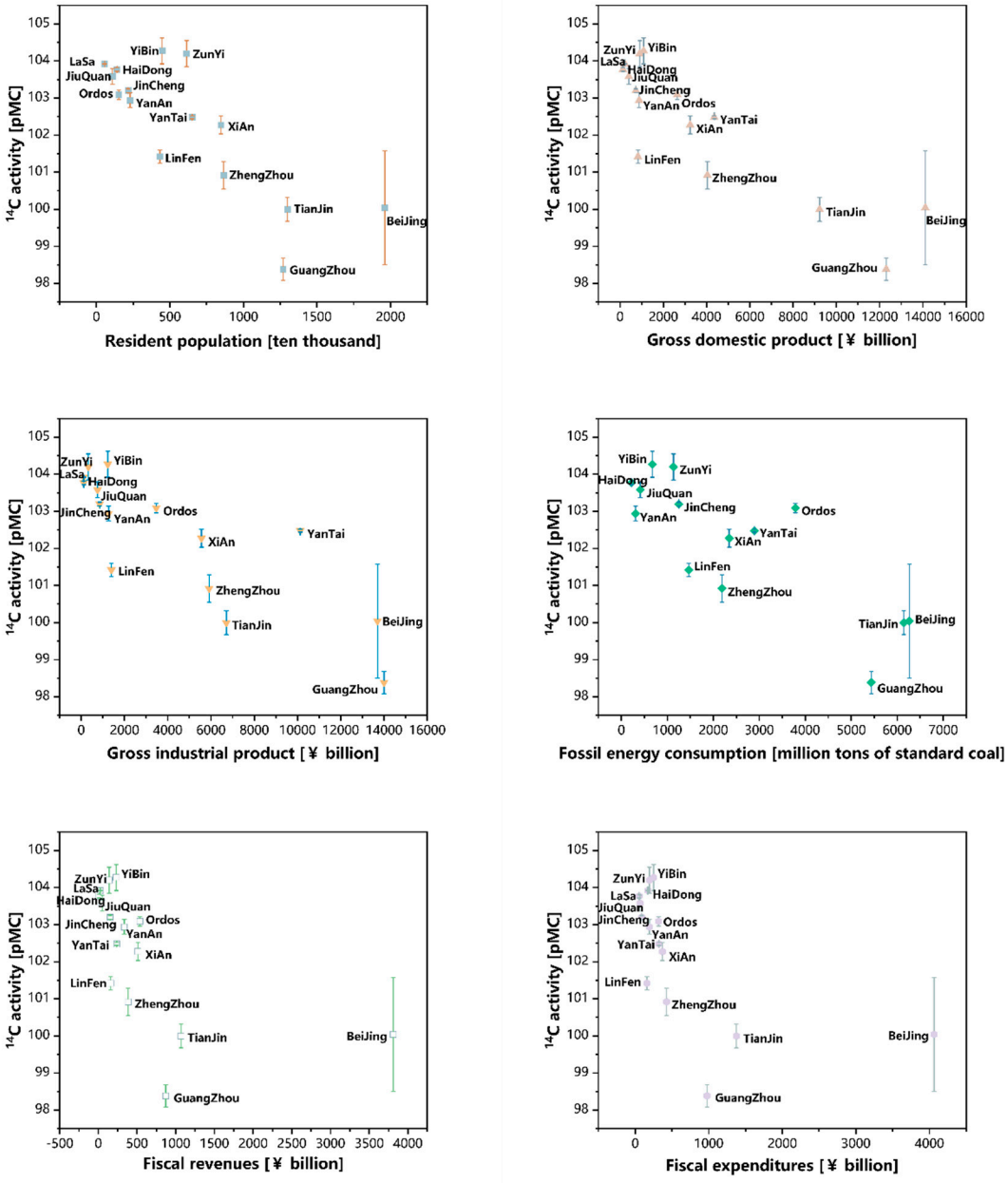

Figure S2. The relationship between atmospheric $^{14}CO_2$ activity and several local economic indicators of several cities in 2014.

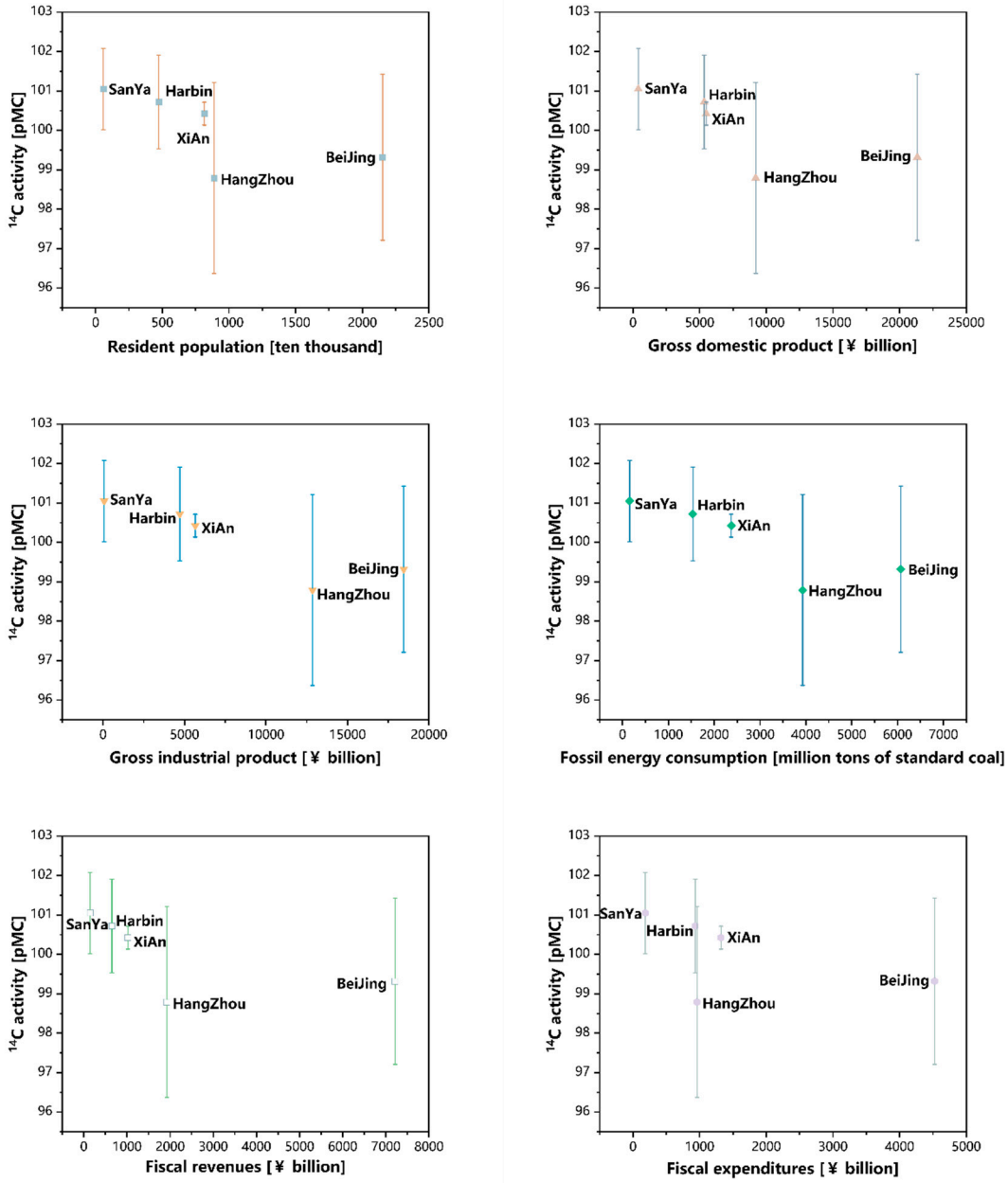

Figure S3. The relationship between atmospheric $^{14}CO_2$ activity and several local economic indicators of several districts of Beijing in 2009.

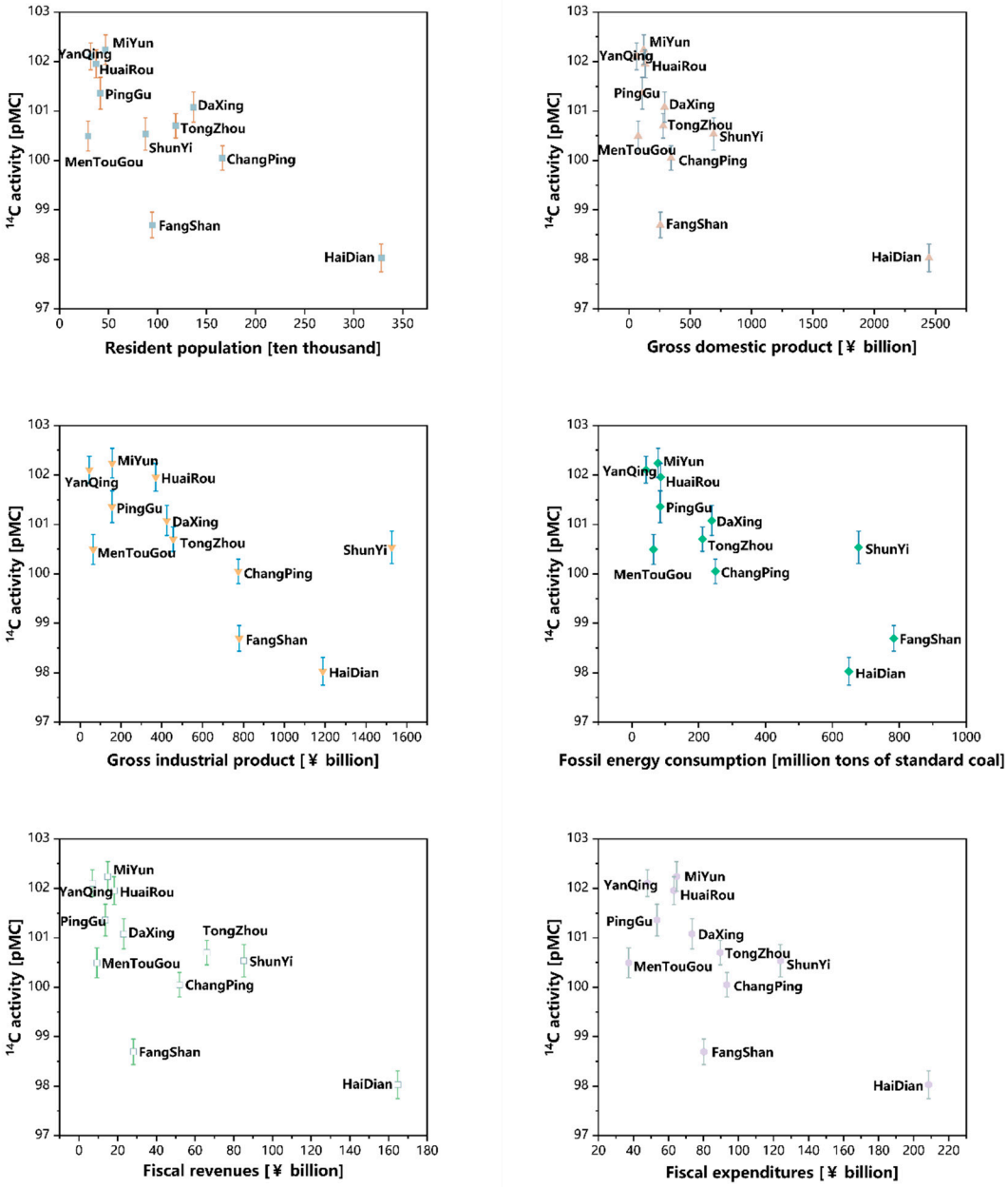

Table S1. The commonly used plant growth function models.

Functional Model	Function Formula
Chapman-Richard	$V(t) = a \times [1 - b \times \exp(-c \times t)]^d$
Logistic	$V(t) = \frac{a}{1 + \exp(b - c \times t)}$
Mitscherlich	$V(t) = a \times [1 - \exp(-b \times t)]$
Korf	$V(t) = a \times \exp(-b \times t - c)$
Gomportz	$V(t) = a \times \exp[-b \times \exp(-c \times t)]$
Schumacher	$V(t) = a \times \exp(-b / t)$
Gauss	$V(t) = a \times [1 - b \times \exp(-c \times t^2)]$