

# Modeling Cadmium Contents in a Soil–Rice System and Identifying Potential Controls

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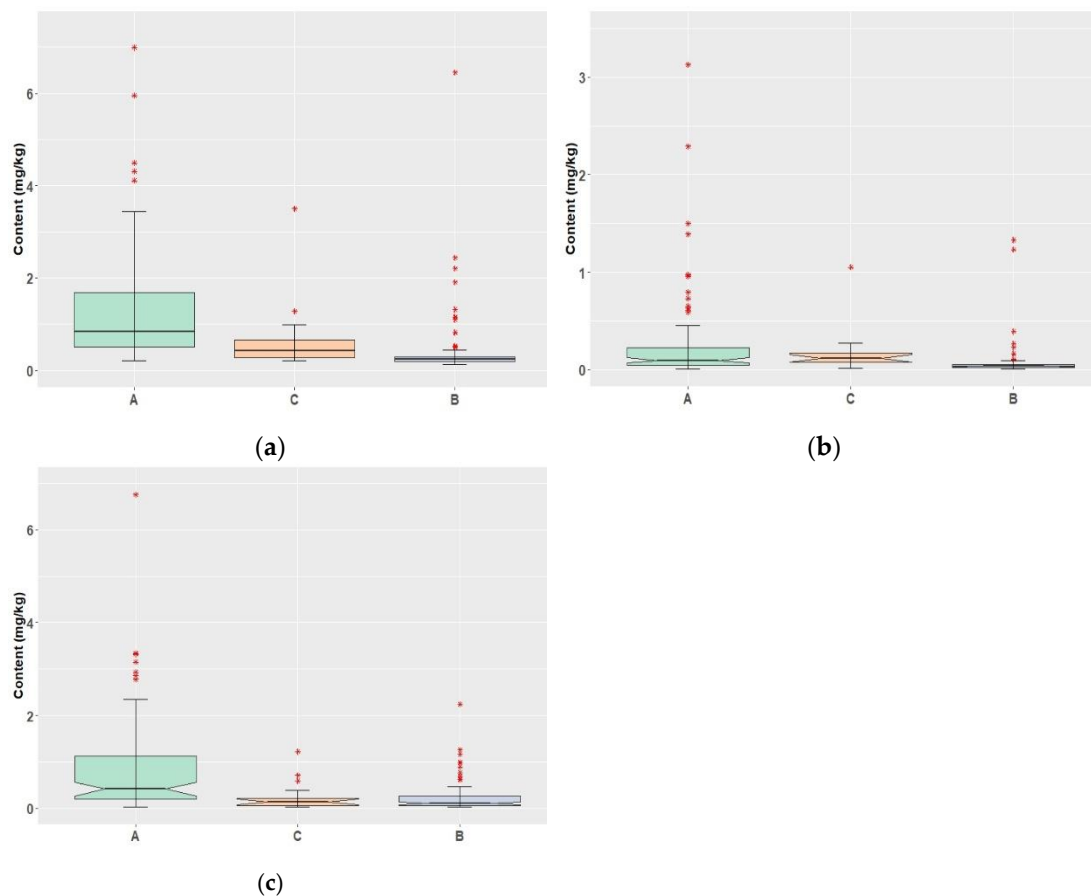
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**Figure S1.** (a) Boxplot of total Cd content in soil. (b) Boxplot of available Cd content in soil. (c) Boxplot of Cd content in rice.

The first-order calculation formula was as follows:

$$\rho_{X,Y(Z)} = \frac{\rho_{X,Y} - \rho_{X,Z}\rho_{Y,Z}}{\sqrt{1-\rho_{X,Z}^2}\sqrt{1-\rho_{Y,Z}^2}}$$

where  $\rho_{X,Y(Z)}$  is the partial correlation coefficient between X and Y calculated after controlling variable Z, and  $\rho_{X,Y}$ ,  $\rho_{X,Z}$ , and  $\rho_{Y,Z}$  are the correlation coefficients between X and Y, X and Z, and Y and Z, respectively.