Supplementary Data

Translocation of Uranium from Water to Foodstuff While Cooking

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Fig. S1: Change in uranium concentration in the uranyl nitrate solution with time showing that Teflon beakers 1 and 2 used for all cooking and soaking experiments do not absorb uranium from the solution. Experiments were conducted at 80 $^{\circ}$ C.

<u>Supplementary Data 2</u>



Fig. S2: XPS survey spectrum of rice cooked in uranium contaminated water.

Supplementary Data 3



Fig. S3: IR spectra of glucose, mannose and their uranyl-bound adducts. Some of peaks at 3140-3460 and 990-1130 cm⁻¹ are saturated.