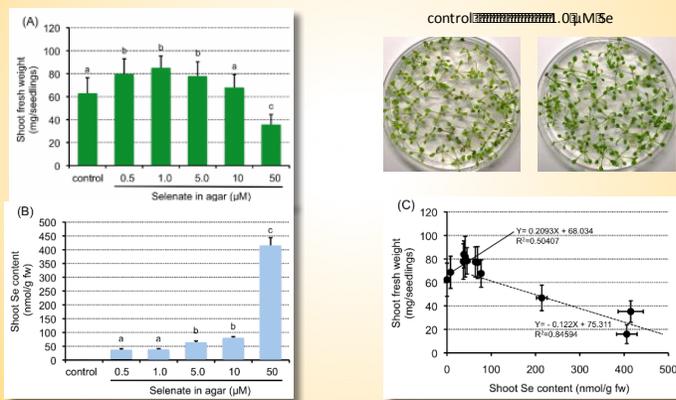


資源回収・環境浄化を目指した植物メタルバイオテクノロジーの構築

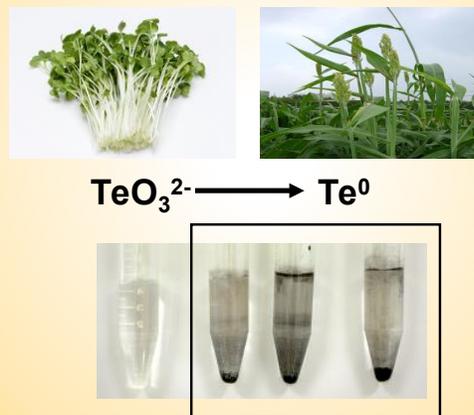
(准教授・武田 徹, t_takeda@nara.kindai.ac.jp)

Research Area

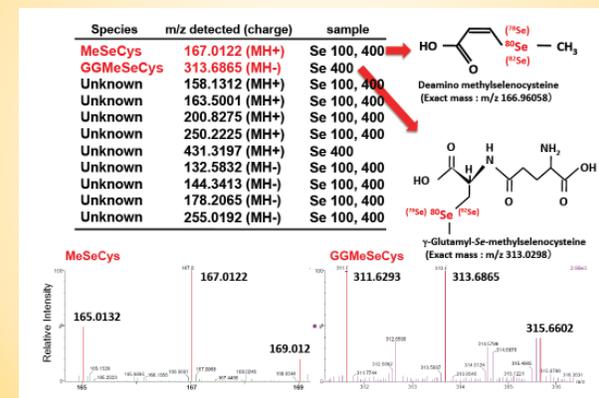
1. 植物におけるレアメタル (Se, Te) の新奇生理機能の解明



2. 植物における亜テルル酸特異的還元系の解明



3. レアメタル (Se, Te) 含有化合物の同定と生理活性の評価



Recent Activities

- Takeda, T. Selenium is involved in the detoxification of methylglyoxal in *Arabidopsis* seedlings. *Biomed. Res. Trace Elem.* 27, 125-131 (2016)
- Takeda, T., Kondo, K., Ueda, K. and Iida, A. Antioxidant responses of selenium-enriched broccoli sprout (*Brassica oleracea*) to paraquat exposure. *Biomed. Res. Trace Elem.* 27, 8-14 (2016)
- Takeda, T. Post-translational activation of non-selenium glutathione peroxidase of *Chlamydomonas reinhardtii* by specific incorporation of selenium. *Biochem. Biophys. Rep.* 4, 39-43 (2015)