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- Bowen, H. J. M. (1979). *Environmental chemistry of the elements*, Academic Press.
- Brady, N. C. and Weil, R. R. (2010). *Elements of the nature and properties of soils*, Pearson Educational International Upper Saddle River, NJ
- Chen, Z., Zhu, Y.-G., Liu, W.-J. and Meharg, A. A. (2005). Direct evidence showing the effect of root surface iron plaque on arsenite and arsenate uptake into rice (*Oryza sativa*) roots. *New Phytologist* 165(1): 91-97.
- Chibuike, G. and Obiora, S. (2014). Heavy metal polluted soils: Effect on plants and bioremediation methods. *Applied and Environmental Soil Science* 2014: 1-12.
- DOA. (2010). *A handbook of soil analysis*. Bangkok, Agriculture Production Science Research and Development Division.
- Evangelou, V. P. and Phillips, R. E. 2005. Cation exchange in soils.
- Dragović, S., Mihailović, N. and Gajić, B. (2008). Heavy metals in soils: Distribution, relationship with soil characteristics and radionuclides and multivariate assessment of contamination sources. *Chemosphere* 72(3): 491-495.
- Kosolsaksakul, P., Farmer, J.G., Oliver, I.W., and Graham, M.C. (2014). Geochemical associations and availability of cadmium (Cd) in a paddy field system, northwestern Thailand. *Environmental Pollution* 187: 153-161.
- Liu, B., Ai, S., Zhang, W., Huang, D. and Zhang, Y. (2017). Assessment of the bioavailability, bioaccessibility and transfer of heavy metals in the soil-grain-human systems near a mining and smelting area in NW China. *Science of the Total Environment* 609(Supplement C): 822-829.
- Liu, J. G., Zhu, Q. S., Zhang, Z. J., Xu, J. K., Yang, J. C. and Wong, M. H. (2005). Variations in cadmium accumulation among rice cultivars and types and the selection of cultivars for reducing cadmium in the diet. *Journal of the Science Food and Agriculture* 85(1): 147-153
- Nordstrom, D. K. (2002). Worldwide occurrences of arsenic in ground water. *Science* 296(5576): 2143-2145.
- Raghunath, R., Tripathi, R. M., Kumar, A. V., Sathe, A. P., Khandekar, R. N. and Nambi, K. S. V. (1999). Assessment of Pb, Cd, Cu, and Zn exposures of 6- to 10-year-old children in Mumbai. *Environmental Research* 80(3): 215-221.
- Sebastian, A. and Prasad, M. N. V. (2014). Cadmium minimization in rice: A review. *Agronomy for Sustainable Development* 34(1): 155-173.
- Simmons, R. W., Pongsakul, P., Saiyasitpanich, D. and Klinphoklap, S. (2005). Elevated levels of cadmium and zinc in paddy soils and elevated levels of cadmium in rice grain downstream of a zinc mineralized area in Thailand: Implications for Public Health. *Environmental Geochemistry and Health* 27(5): 501-511.
- Sriprachote, A., Kanyawongha, P., Ochiai, K. and Matoh, T. (2012). Current situation of cadmium-polluted paddy soil, rice and soybean in the Mae Sot District, Tak Province, Thailand. *Soil Science and Plant Nutrition* 58(3): 349-359.

- Swaddiwudhipong, W., Limpatanachote, P., Nishijo, M., Honda, R., Mahasakpan, P. and Krintratun, S. (2010). Cadmium-exposed population in Mae Sot District, Tak Province: 3. Associations between urinary cadmium and renal dysfunction, hypertension, diabetes, and urinary stones. *Journal of the Medical Association of Thailand Chotmai het thangphaet* 93(2): 231-238.
- Tokalioglu, S., Kartal, S. and Birol, G. (2003). Application of a three-stage sequential extraction procedure for the determination of extractable metal contents in highway soils. *Turkish Journal of Chemistry* 27(3): 333-346.
- Wuana, R. A. and Okieimen, F. E. (2011). Heavy metals in contaminated soils: A review of sources, chemistry, risks and best available strategies for remediation. *International Scholarly Research Notices* 2011: 1-20.
- Xue, S., Shi, L., Wu, C., Wu, H., Qin, Y., Pan, W.-S., Hartley, W. and Cui, M. (2017). Cadmium, lead, and arsenic contamination in paddy soils of a mining area and their exposure effects on human HEPG2 and keratinocyte cell-lines. *Environmental Research* 156: 23-30.
- Zarcinas, B. A., Pongsakul, P., McLaughlin, M. J. and Cozens, G. (2004). Heavy metals in soils and crops in southeast Asia 2. Thailand. *Environmental Geochemistry and Health* 26(3): 359-371.