

# Publikationer

(rel. till PhytoEnvitech AB)

## Fytoremediering

- Greger M. & Landberg T. 2014-2015.** Novel field data on phytoextraction: Precultivation with *Salix* reduces cadmium in wheat grains. — *Int. J. Phytorem.* XX: XX-XX.
- Bergqvist C. & Greger M. 2014.** Phytostabilization of arsenic. In: *In-situ remediation of arsenic-contaminated sites.* (Bundschuh, J., Holländer, H. & Ma, L. Q., eds), CRC Press, Boca Raton, FL
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- Bergqvist C. & Greger M. 2012.** Arsenic accumulation and speciation in plants from different habitats. — *Applied Geochemistry* 27: 615-622
- Greger, M., Sandhi, A., Nordstrand, D., Bergqvist, C., Rennerfelt, H. N., 2012.** Water cleaning from toxic elements using phytofiltration with *E.Canadensis*. Bhattacharya, P., Rosborg, I., Sandhi, A., Hayes, C., Benoliel, M. J. (eds.) In: *Proceedings of the 4<sup>th</sup> Int. conference COST Action 637: Metals and related substances in drinking water.* IWA Publishing, London, pp 183-187
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- Neuschütz C., Boström D. & Greger M. 2010.** Root growth into sealing layers of fly ash. — *Journal of Plant Interactions* 5: 75-85.
- Neuschütz C. & Greger M. 2010.** Ability of various plant species to prevent leakage of N, P, and metal from swage sludge. — *International Journal of Phytoremediation* 12(1): 67-84.
- Neuschütz C. & M. Greger 2010.** Stabilization of mine tailings using fly ash and sewage sludge planted with *Phalaris arundinacea* L. — *Water Air Soil Pollut.* 207: 357-367.
- Greger M., 2010.** Phytotechnology for forestry. In: *Encyclopedia of Life Support Systems.*(V. Kotchetkov, H.Huynh, eds), 14 pages, Eolss Publishers Co Ltd. E-book
- Nyquist J. & M. Greger 2009.** A field study of constructed wetlands for preventing and treating acid mine drainage. — *Ecological Engineering* 35: 630-642
- Nyquist J. & Greger M. 2009.** Response of two wetland plant species to Cd exposure at low and neutral pH. — *Environ. Exp. Bot.* 65: 417-424

- Neuschütz C., Isaksson K.-E., Lundmark M. & Greger M., 2009.** Evaluation of a dry-cover treatment consisting of vegetated sewage sludge and fly ash. — Proceeding. Securing the future. Int. Conf. on mining and the environment. Skellefteå. 2009
- Neuschütz C. & Greger M., 2009.** Växter hjälper till att förhindra läckage — Svenskt vatten 1: 34-35
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- Neuschütz C. & Greger M., 2008.** Vegetationsetablering i rötslam vid efterbehandling av sandmagasin. — Report to VAForsk
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- Nyquist J. & Greger M., 2007.** Uptake of Zn, Cu, and Cd in metal loaded *Elodea canadensis*. — Environ. Exp. Bot. 60: 219-226
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- Neuschütz C., Stoltz E. & Greger M., 2006.** Root penetration of sealing layers made of fly ash and sewage sludge. — J. Environ. Qual. 35: 1260-1268
- Wang Y.D. & Greger M., 2006.** Use of iodide to enhance the phytoextraction of mercury-contaminated soil. — Science of the Total Environment 368:30-39.
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- Nyquist J. & Greger M., 2005.** The role of plants in a wetland treating Acid Mine Drainage — Proceeding. Securing the future. Int. Conf. on mining and the environment. Skellefteå. 2005. pp. 795-803
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## DOKTORSAVHANDLINGAR

(Stockholms universitet)

**Yaodong Wang, 2004,** "Phytoremediation of mercury by terrestrial plants"

**Eva Stoltz, 2004,** "Phytostabilisation—use of wetland plants to treat mine tailings"

**Åsa Fritioff, 2005,** "Metal accumulation by plants – evaluation of the use of plants in stormwater treatment"

**Johanna Nyquist, 2007,** "Role of plants in treating metal-polluted waters in wetlands"

**Clara Neuschütz, 2009,** "Phytostabilization of mine tailings covered with fly ash and sewage sludge"

**Claes Bergqvist, 2013,** "Arsenic accumulation in plants for food and phytoremediation: Influence by external factors"

## MASTERSAVHANDLINGAR

(Stockholms universitet)

**Eva Knekta, 2001,** "The Possibility to Use *Ipomoea aquatica* (Water Spinach) for Phytoremediation of Lead and Cadmium"

**Åsa Duell, 2002,** "Phytoextraction of lead: Lead uptake and translocation of eight plant species growing at a lead contaminated site."

**Lisa Johansson, 2002,** "Growth and Cu accumulation by plants grown on Cu containing mine tailings in Cyprus"

**Mariángeles Pereyra, 2008,** "Influence of soil properties on phytoextraction of <sup>109</sup>Cd by *Salix viminalis*"

**Helena Dalivin, 2009,** "Evaluation of metal accumulation by *Myriophyllum verticillatum* through a stormwater system"

**Daniel Nordstrand, 2011,** "Uptake of antimony in wetland plants for phytoremediation"

## ***Tungmetaller i mat***

**Greger M. 2013.** Silisium (kisel) som plantegjødselmiddel. Effekten på planters biomasse, kadmiuminnhold, fiber og skal. — Rapport: FoU stipendium Høgskolen i Hedmark.

**Herbert R, Greger M, Bergqvist C. & Persson I. 2012.** Arsenic uptake and speciation in vegetables grown in arsenic-rich soil. — Tryggers foundation.

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## DOKTORSAVHANDLINGAR

(Stockholms universitet)

**Dr Agneta Göthberg 2008.** "Metal fate and sensitivity in the aquatic tropical vegetable *Ipomoea aquatica*"

## MASTERSAVHANDLINGAR

(Stockholms universitet)

**Karin Karlsson, 2001,** "Cadmium and lead uptake and accumulation in Water Spinach *Ipomea aquatica*"

**Wei Xu, 2012,** "Accumulation and speciation of inorganic arsenic in lettuce, *Lactuca sativa*."

## ***Kartläggning av tungmetaller i miljön med växter***

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### **MASTERSAVHANDLINGAR**

(Stockholms universitet)

**Per Bengtsson, 1995,** "Mapping of bioavailable Cd, Pb and Zn along the river Przemsza, Katowice region, using terrestrial plants"