

Bioanalysis of heavy metals from soils and sediments using recombinant luminescent bacterial sensors

Ivask, Angela; Kahru, Anne; Kunttu, K.; Virta, Marko; Douay, Francis; Dubourguier, Henri-Charles Toxicology letters 2002 / p. S101

Construction and use of specific luminescent recombinant bacterial sensors for the assessment of bioavailable fraction of cadmium, zinc, mercury and chromium in the soil

Ivask, Angela; Virta, Marko; **Kahru, Anne** Soil biology and biochemistry 2002 / p. 1439-1447

Detection of bioavailable heavy metals in EILATox-Oregon samples using whole-cell luminescent bacterial sensors in suspension or immobilized onto fibre-optic tips

Hakkila, K.; Green, T.; Leskinen, P.; **Ivask, Angela;** Marks, R.; Virta, Marko Journal of applied toxicology 2004 / 5, p. 333-342

<https://pubmed.ncbi.nlm.nih.gov/15478176/>

Detection of organomercurials with sensor bacteria

Ivask, Angela; Hakkila, K.; Virta, Marko Analytical chemistry 2001 / p. 5168-5171

Improving the sensitivity of bacterial bioreporters for heavy metals

Hynninen, Anu; **Tönismann, Karmen;** Virta, Marko Bioengineered Bugs 2010 / p. 132-138 <https://doi.org/10.4161/bbug.1.2.10902>

Lead and Cu in contaminated urban soils : extraction with chemical reagents and bioluminescent bacteria and yeast

Peltola, Pasi; **Ivask, Angela;** Aström, Mats; Virta, Marko Science of the total environment 2005 / 1/3, p. 193-203 : ill

<https://www.sciencedirect.com/science/article/pii/S0048969705000707>

Luminescent recombinant sensor bacteria for the analysis of bioavailable heavy metals

Ivask, Angela 2006 https://www.ester.ee/record=b2158067*est

Luminesceeruvad bakteriaalsed biosensorid raskemetallide määramiseks

Ivask, Angela; Karp, M.; **Kahru, Anne;** Virta, Marko Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference of the Estonian Society for Microbiology : 12.05.2000, Tartu 2000 / I. 16

Optical fiber biosensor for the detection of mercury

Green, T.; **Ivask, Angela;** Polyak, B.; Virta, Marko; Marks, R. Toxicology letters 2002 / p. S58-S59

Recombinant luminescent bacterial sensors for the measurement of bioavailability of cadmium and lead in soils polluted by metal smelters

Ivask, Angela; Francois, Matthieu; **Kahru, Anne;** Dubourguier, Henri-Charles; Virta, Marko; Douay, Francis Chemosphere 2004 / 2, p. 147-156 <https://www.sciencedirect.com/science/article/pii/S0045653503010804>