

Advanced oxidation combined with biodegradation in situ remediation of creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; **Goi, Anna** Proceedings of the Second European Bioremediation Conference : Chania, Crete, 2003 2003 / p. 63-66

Advanced oxidation processes - a study on the application for soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina; Tuhkanen, Tuula Proceedings Seventh Finnish Conference of Environmental Sciences "Science for Sustainability" : Jyväskylä, May 12-13, 2005 2005 / p. 15-18

Advanced oxidation processes - a study on the application for soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina e-proceedings of the 1st European Conference on Environmental Applications of AOP : Crete, Chania, September 7-9, 2006 2006 / p. 253-260

Advanced oxidation processes for soil remediation

Goi, Anna; Trapido, Marina International Conference EcoBalt'2002, Riga, June 7-8, 2002 2002 / p. 18-19

Advanced oxidation processes for water purification and soil remediation

Goi, Anna 2005 <https://digi.lib.ttu.ee/i/?6> https://www.ester.ee/record=b2045331*est

Advanced oxidation, an application for wastewater treatment and soil remediation

Trapido, Marina; Goi, Anna; Munter, Rein Environmental science and pollution research - international 2002 / Special issue 3, 8th FECS Conference on Chemistry and the Environment : Chemistry for a Sustaining World, Athens, Greece, 31 August to 4 September 2002, p. 85-86 : ill

Analytical quality by design concept in environmental analysis

Jurjeva, Jelena; **Koel, Mihkel** Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 22 ; oral 12 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Analytical Quality by Design in Environmental Analysis = Analüütilise disainiruumi kontseptsiooni rakendamine saasteainete pinnases määramise meetodi väljatöötamisel

Jurjeva, Jelena 2025 https://www.ester.ee/record=b5758848*est <https://digikogu.taltech.ee/et/item/365bb698-bf6e-4768-8d60-31737d61ce10> <https://doi.org/10.23658/taltech.65/2025>

Aroclor 1016 contaminated soil remediation with calcium and magnesium peroxides

Goi, Anna; Viisimaa, Matti; Trapido, Marina; Munter, Rein E-Proceedings : Seventh International Conference on Remediation of Chlorinated and Recalcitrant Compounds : Monterey, CA, USA, May 24-27, 2010 2010

Biotests and biosensors in ecotoxicological risk assessment of field soils polluted with zinc, lead, and cadmium

Kahru, Anne; Ivask, Angela; Kasemets, Kaja; Põllumaa, Lee; Kurvet, Imbi; Francois, Matthieu; Dubourguier, Henri-Charles Environmental toxicology and chemistry 2005 / 11, p. 2973-2982

Cd²⁺ and Zn²⁺ sorption on apatite in the presence of EDTA and humic substance

Viipsi, Karin; Sjöberg, Staffan; **Tõnsuaadu, Kaia;** Shchukarev, Andrey Proceedings of the 16th International Conference on Heavy Metals in the Environment : Rome, Italy, September 23-27, 2012 2013 / p. 01008-p.1-01008-p.4 : ill

Chemical oxidation in oil contaminated soil remediation

Trapido, Marina; Goi, Anna; Kulik, Niina Soil and Ground Water Contamination by Oil Products and other Anthropogenic Organic Compounds : Analytics, Monitoring and Remediation 2005 / p. 35-40

Chlorinated aromatic hydrocarbon-contaminated soil treatment with hydrogen peroxide and percarbonate

Viisimaa, Marika; Goi, Anna TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

Chlorinated hydrocarbons contaminated soil treatment by chemical oxidation

Viisimaa, Marika; Bolobajev, Juri; Trapido, Marina; Goi, Anna Proceedings of 3rd European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3) : Almería, Spain, October 27-30, 2013 2013 / p. O26-1 - O26-3

Chlorophenols contaminated soil remediation by peroxidation

Goi, Anna; Trapido, Marina Journal of advanced oxidation technologies 2010 / 1, p. 50-58 : ill

Column experiment on activation aids and biosurfactant application to the persulphate treatment of chlorophene-contaminated soil

Bolobajev, Juri; Bilgin Öncü, Nalan; **Viisimaa, Marika; Trapido, Marina;** Balcioglu, Isil Akmeahmet; **Goi, Anna** Environmental technology 2015 / p. 348-357 : ill <https://doi.org/10.1080/09593330.2014.948493> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined chemical and biological treatment of oil contaminated soil

Goi, Anna; Trapido, Marina 9th FECS Conference and 2nd SFC Meeting on Chemistry and the Environment : Bordeaux, 29 August - 1 September 2004 : final program, abstracts 2004 / p. 74-75

Combined chemical and biological treatment of oil contaminated soil

Goi, Anna; Kulik, Niina; Trapido, Marina Chemosphere 2006 / p. 1754-1763 : ill

Combined method for remediation of nitrophenols contaminated soil

Goi, Anna; Trapido, Marina Fresenius environmental bulletin 2004 / 11b, p. 1191-1196

Combined methods for remediation of fuel and transformer oil contaminated soil

Goi, Anna; Kulik, Niina; Trapido, Marina Abstracts of the International Conference "Eco-Balt 2004" 2004 / p. 11-12

Combined methods for the remediation of nitrophenols contaminated soil

Goi, Anna; Trapido, Marina Abstracts of 12th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region : Appropriate Solutions for the Environmental Problems in Emerging Economies : Antalya, Turkey, 2003 2003 / p. 32

Contaminated soil remediation with hydrogen peroxide oxidation

Goi, Anna; Trapido, Marina; Kulik, Niina Proceedings of World Academy of Science, Engineering and Technology 2009 / April, p. 185-189 : ill

DDT-contaminated soil treatment with persulfate and hydrogen peroxide utilizing different activation aids and the chemicals combination with biosurfactant

Goi, Anna; Viisimaa, Marika; Karpenko, Oleksandr Journal of advanced oxidation technologies 2012 / p. 41-52 : ill

[https://www.researchgate.net/publication/263695003_DDT-Contaminated_Soil_Treatment_with_Persulfate_and_Hydrogen_Peroxide_Utilizing_Different_Activation_Aids_and_the_Chemicals_Combination_w
ith_Biosurfactant](https://www.researchgate.net/publication/263695003_DDT-Contaminated_Soil_Treatment_with_Persulfate_and_Hydrogen_Peroxide_Utilizing_Different_Activation_Aids_and_the_Chemicals_Combination_with_Biosurfactant)

DDT-contaminated soil treatment with persulfate and hydrogen peroxide applying different activation aids

Goi, Anna; Viisimaa, Marika Photocatalytic and Advanced Oxidation Technologies for Treatment of Water, Air, Soil and Surfaces (PAOT) : Gdansk, Poland, 4-8 July, 2011 : abstracts 2011 / p. 91

Degradation of carbamazepine and triclosan in sewage sludge mixtures used for fertilizing agricultural soils

Nei, Lembit; Haiba, Egge; Raamets, Jane; Herodes, Koit Soil science annual 2024 / art. 189545

<https://doi.org/10.37501/soilsa/189545>

Degradation of polycyclic aromatic hydrocarbons by combined chemical pre-oxidation and bioremediation in creosote contaminated soil

Kulik, Niina; Goi, Anna; Trapido, Marina; Tuhkanen, Tuula Journal of environmental management 2006 / p. 382-391 : ill

Effect of advanced oxidation process on biodegradation of PAHs in creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; Goi, Anna Abstracts of Sixth Finnish Conference of Environmental Sciences : Current Perspectives in Environmental Science and Technology : Joensuu, Finland, 2003 2003 / p. 51-54

<https://researchportal.tuni.fi/en/publications/effect-of-advanced-oxidation-process-on-biodegradation-of-pahs-in>

Influence of biosurfactant on combined chemical-biological treatment of PCB-contaminated soil

Viisimaa, Marika; Karpenko, Oleksandr; Novikov, Volodymyr; Trapido, Marina; Goi, Anna Chemical engineering journal 2013 / p. 352-359 : ill <https://doi.org/10.1016/j.cej.2013.01.041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Integration of ozonation and sonication with hydrogen peroxide and persulfate oxidation for polychlorinated biphenyls-contaminated soil treatment

Goi, Anna; Viisimaa, Marika Journal of environmental chemical engineering 2015 / p. 2839-2847 : ill

<https://doi.org/10.1016/j.jece.2015.09.025> [Journal metrics at Scopus](#) [Article at Scopus](#)

Keemilise oksüdatsiooni kasutamine pinnase töötlemisel järgneva biotaastamise parandamiseks

Trapido, Marina; Goi, Anna; Kulik, Niina XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 115-116

Kütteõli mikrobiaalset degradatsiooni mõjustavad tegurid pinnases

Sokk, Olev; Rožkov, Aleksei; Laht, Tiit-Maie; Vilu, Raivo XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 129-131

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>

Means to improve the effect of in situ bioremediation of contaminated soil : an overview of novel approaches

Romantschuk, Martin L.; **Sarand, Inga**; Petänen, Tiina; Peltola, Rainer J.; Jonsson-Vihanne, M.; Koivula, Teija; Yrjälä, Kim; Haahtela, Kielo K. Environmental pollution 2000 / p. 179-185 <https://pubmed.ncbi.nlm.nih.gov/15092994/>

Microbial activity during advanced oxidation of creosote oil contaminated soil

Palmroth, Marja R.T.; Aunola, Tuomo; **Goi, Anna** Abstracts in Enzymes in the Environment : Activity, Ecology and Application : Praha, Czech Republic, 2003 2003 / p. 62

Novel approaches to bioindication of heavy metals in soils contaminated by oil shale wastes

Nei, Lembit; Kruusma, J.; **Ivask, Mari**; **Kuu, Annely** Oil shale 2009 / 3, p. 424-431 https://artiklid.elnet.ee/record=b1947077*est

On the soil pollution polycyclic aromatic hydrocarbons in Kohtla-Järve and Ida-Virumaa

Trapido, Marina; Junninen, H. 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 74

Ozonation and Fenton treatment for remediation of diesel fuel contaminated soil

Goi, Anna; **Trapido, Marina**; **Kulik, Niina**; Palmroth, Marja R.T.; Tuhkanen, Tuula Ozone : science and engineering 2006 / 1, p. 37-46 : ill

Ozonation and the Fenton treatment for remediation of soil - diesel fuel contaminated soil

Goi, Anna; **Kulik, Niina**; Palmroth, Marja R.T.; **Trapido, Marina** Advances in Science and Engineering for Industrial Applications of Ozone and Related Oxidants : International Conference : Barcelona, Spain, March 10-12, 2004 : proceedings 2004 / p. I.2.10-1 - I.2.10-6 : ill

Ozonation and ultrasound-assisted advanced oxidation processes for degradation of polychlorinated biphenyls in soil

Viisimaa, Marika; **Bolobajev, Juri**; **Trapido, Marina**; **Goi, Anna** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" 2013 / [1] p

Ozonation and ultrasoundassisted advanced oxidation processes for degradation of polychlorinated biphenyls in soil

Viisimaa, Marika; **Bolobajev, Juri**; **Goi, Anna** Ozone and related oxidants in : safe water along its cycle : April 23–24, 2013, Berlin, Germany 2013 / p. 3.1-1 - 3.1-7

Peroxidation for remediation of chlorinated hydrocarbons contaminated soil

Goi, Anna; **Viisimaa, Marika**; **Trapido, Marina** FCES' 2011 : Finnish Conference of Environmental Science : 5-6 May, 2011, Turku, Finland : proceedings 2011 / p. 29-32 : ill

Peroxygen compounds and new integrated processes for chlorinated hydrocarbons degradation in contaminated soil =

Peroksü-ühendite ja uute integreeritud protsesside kasutamine kloorisüvesinike lagundamiseks saastatud pinnases
Viisimaa, Marika 2014

Phytomanagement of chromium contaminated brown fields

Kumar, Adarsh; **Usmani, Zeba**; Ahirwal, Jitendra; Tripti; Rani, Poonam Phytomanagement of polluted sites : Market opportunities in sustainable phytoremediation 2019 / p. 447-469 <https://doi.org/10.1016/B978-0-12-813912-7.00018-1>

Pinnase töötlemine täiustatud oksüdatsiooniprotsessidega polütsükliliste aromaatsete süsivesinike kõrvaldamiseks

Ivanova, Olga; **Goi, Anna**; **Trapido, Marina** XXVIII Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 28th Estonian Chemistry Days : abstracts of scientific conference 2002 / lk. 26-27

Polüklooritud bifenüüle sisaldava elektriisoleerõliga saastatud pinnase taastamine kaltsium- ja magneesiumperoksiididega

Goi, Anna; **Viisimaa, Marika**; **Trapido, Marina**; **Munter, Rein** XXXI Eesti keemiapäevad : [28. aprill 2010, Tallinn] : teaduskonverentsi teesid = 31st Estonian Chemistry Days : abstracts of scientific conference 2010 / lk. 28

A portable capillary electropherograph equipped with a cross-sampler and a contactless-conductivity detector for the detection of the degradation products of chemical warfare agents in soil extracts

Seiman, Andrus; **Jaanus, Martin**; **Vaher, Merike**; **Kaljurand, Mihkel** Electrophoresis 2009 / p. 507-514 : ill

QSPR treatment of the soil sorption coefficients of organic pollutants

Kahn, Iiris; Fara, Dan; **Karelson, Mati**; Maran, Uko; Andersson, Patrik L. Journal of chemical information and modeling 2005 / 1, p. 94-105 <https://pubs.acs.org/doi/10.1021/ci0498766>

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>

Removal of PAHs from creosote oil contaminated soil by addition of concentrated H₂O₂ and biodegradation

Aunola, Tuomo; **Goi, Anna**; Palmroth, Marja R.T.; Langwaldt, Jörg H.; Tuhkanen, Tuula Journal of advanced oxidation technologies 2006 / [9] p <https://www.degruyter.com/document/doi/10.1515/jaots-2006-0102/html>

Reostatud pinnase suhtelise toksilisuse määramine fotobakteritestidega

Reiman, Rain; Kahru, Anne; Põllumaa, Lee; Meriste, T. Eesti Mikrobioloogide Ühenduse konverents : 12.05.2000, Tartu = Conference of the Estonian Society for Microbiology : 12.05.2000, Tartu 2000 / l. 14

Teeäärsed alad on ohtlikult saastatud

Hääl, Maire-Liis Ehitaja 2001 / 1/2, lk. 59-61 https://artiklid.elnet.ee/record=b1006051*est

The treatment of chlorophene-contaminated soil in columns by combined application of persulfate and biosurfactant

Bilgin Öncü, Nalan; **Viisimaa, Marika**; **Trapido, Marina**; Balcioglu, Isil Akmeahmet; **Goi, Anna** 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management" : May 15-17, 2012, Cesme-Izmir, Turkey : proceedings book. Volume I 2012 / p. 120-125 : ill

Treatment of Aroclor 1016 contaminated soil by hydrogen peroxide: laboratory column study

Viisimaa, Marika; **Veressinina, Jelena**; **Goi, Anna** Environmental technology 2012 / p. 2041-2048 : ill <https://www.tandfonline.com/doi/full/10.1080/09593330.2012.660640>

Treatment of creosote oil contaminated soil by modified Fenton's reaction

Aunola, Tuomo; Palmroth, Marja R.T.; **Goi, Anna**; Tuhkanen, Tuula Abstracts of Sixth Finnish Conference of Environmental Sciences : Current Perspectives in Environmental Science and Technology : Joensuu, Finland, 2003 2003 / p. 194-197

Treatment of PAH-contaminated soil by combination of Fenton's reaction and biodegradation

Palmroth, Marja R.T.; Langwaldt, Jörg H.; Aunola, Tuomo; **Goi, Anna**; Puhakka, Jaakko A.; Tuhkanen, Tuula Journal of chemical technology and biotechnology 2006 / p. 598-607 : ill https://www.researchgate.net/publication/229469481_Treatment_of_PAH-contaminated_soil_by_combination_of_Fenton%27s_reaction_and_biodegradation

Use of hydrogen peroxide and percarbonate to treat chlorinated aromatic hydrocarbon-contaminated soil

Viisimaa, Marika; **Goi, Anna** Journal of environmental engineering and landscape management 2014 / p. 30-39 : ill <https://doi.org/10.3846/16486897.2013.804827> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS