

PhD Candidate Profile

Name:

Balpreet Kaur

Research Group (if relevant):

Laboratory of Environmental Technology

Research Centre (if relevant):

Department of Materials and Environmental Technology

Department/School(s) (if relevant):

School of Engineering

College:

TalTech University, Estonia

Supervisor(s):

Dr. Niina Dulova

Funding body:

N/A

Area (field) of study:

Photo-induced catalytic processes for the removal of priority pollutants and persistent micro pollutants from different matrices.

Thesis Title:

Development of photo-induced catalytic processes for efficient application in different matrices treatment.

Abstract:

N/A

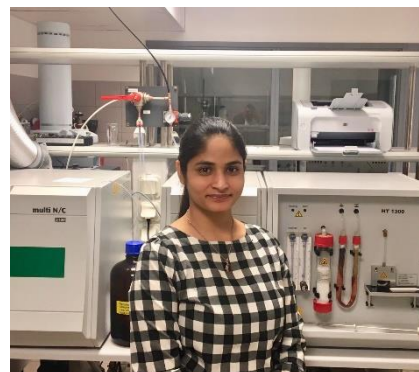
Collaborations:

N/A

Publications:

Kattel, E.; -, Balpreet Kaur; Trapido, M.; Dulova, N. (2018). Persulfate-Based Photodegradation of a Beta-Lactam Antibiotic Amoxicillin in Various Water Matrices. Environmental Technology.

Dulova, N.; Kattel, E.; -, Balpreet Kaur; Trapido, M. (2018). Photo-induced persulfate oxidation of emerging micropollutants in water matrices. In: E-Proceedings of EA3G2018 International Conference & Exhibition on Ozone and Advanced Oxidation Solutions for Emerging Pollutants of Concern to the Water and the Environment, 5-7 September 2018, Lausanne, Switzerland (4.2 - 1-4.2 - 11). International Ozone Association.



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Kaur, B.; Kattel, E.; Trapido, M.; Dulova, N. (2018). Insights into Nonylphenol Degradation by Activated Persulfate in Aqueous Matrices: A Comparative Study. *PAOT-4 Book of Abstracts: The 4th International Conference on Photocatalytic and Advanced Oxidation Technologies for the Treatment of Water, Air, Soil and Surfaces, Porto, Portugal, 10-13th July 2018*. Redox Technologies, Inc, 105.

Kattel, E.; Kaur, B.; Trapido, M.; Dulova, N. (2017). Persulfate-based photodegradation of a beta-lactam antibiotic amoxicillin in aqueous matrices. *EAAOP5 Book of Abstracts: 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5), Prague, Czech Republic, June 25-29, 2017*. Ed. J. Krýsa. Prague, Czech Republic: University of Chemistry and Technology, Prague, 167.

Kattel, E.; Kaur, B.; Trapido, M.; Dulova, N. (2017). Degradation of ceftriaxone in aqueous solution by heterogeneous photo-activated persulfate system. *EMEC 18 Book of Abstracts: 18th European Meeting on Environmental Chemistry, Porto, Portugal, 26-29th November 2017*. EMEC 18, 108.

Kattel, E.; Kaur, B.; Trapido; M.; Dulova, N. (2017). Photochemical degradation and mineralization of amoxicillin in different water matrices. *Tartu Ülikooli ASTRA projekt PER ASPERA doktorikooli "Funktsionaalsed materjalid ja tehnoloogiad" teaduskonverents, V spaahotell ja konverentsikeskus, Tartu, 7.-8. märts 2017*. Tartu Ülikool

Presentations:

The 4th International Conference on Photocatalytic and Advanced Oxidation Technologies for the Treatment of Water, Air, Soil and Surfaces, Porto, Portugal, 10-13th July 2018.