

Accepted Manuscript

Title: A multipronged QSAR approach to predict algal low-toxic-effect concentrations of substituted phenols and anilines

Authors: Gulcin Tugcu, Melek Türker Saçan



PII: S0304-3894(17)30855-5
DOI: <https://doi.org/10.1016/j.jhazmat.2017.11.033>
Reference: HAZMAT 19004

To appear in: *Journal of Hazardous Materials*

Received date: 26-7-2017
Revised date: 16-11-2017
Accepted date: 17-11-2017

Please cite this article as: Gulcin Tugcu, Melek Türker Saçan, A multipronged QSAR approach to predict algal low-toxic-effect concentrations of substituted phenols and anilines, Journal of Hazardous Materials <https://doi.org/10.1016/j.jhazmat.2017.11.033>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

A multipronged QSAR approach to predict algal low-toxic-effect concentrations of substituted phenols and anilines

Gulcin Tugcu, Melek Türker Saçan *

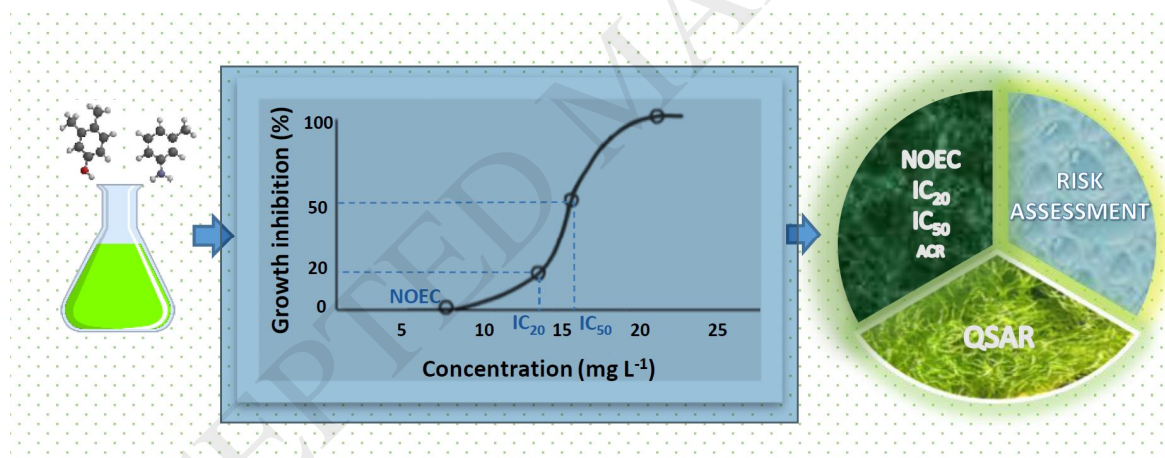
Boğaziçi University, Institute of Environmental Sciences, 34342, Hisar Campus, Bebek, Istanbul, TURKEY

*Corresponding author

Phone: +90 2123594598; Fax: +90 2122575033

E-mail: msacan@boun.edu.tr

Graphical abstract



Highlights:

- NOEC, IC₅₀, and IC₂₀ of 67 hazardous chemicals for algae were reported.
- Both NOEC and IC₂₀ are successfully modelled with empirical and theoretical descriptors
- Toxicity data and developed models have a potential to be used in risk assessment

Abstract

Download English Version:

<https://daneshyari.com/en/article/6969521>

Download Persian Version:

<https://daneshyari.com/article/6969521>

[Daneshyari.com](https://daneshyari.com)