

Seminar Announcement: Chemical Alternative Assessment for Substitution of Hazardous Chemicals with Safer Alternatives

Chemical Alternative Assessment for Substitution of Hazardous Chemicals with Safer Alternatives

Consumer demand for safer chemicals has pushed the suppliers and manufacturers to substitute or restrict the use of hazardous chemicals. New regulations, particularly in Europe and U.S have restricted the use of chemicals which have known environmental persistence or hazardous characteristic. Increasing pressures towards use of safer chemicals has given rise to alternative assessment so that toxic chemicals can be avoided via their substitution with those that are of lower concern.

Alternative assessment is the identification, comparison and selection of safer alternatives to the chemicals of concern on the basis of their hazard, performance and economic viability. The aim of this thesis is to conduct informed substitution for a selected group of hazardous chemicals known to be used in Turkey by alternative assessment. GreenScreen hazard assessment tool is used for detailed hazard assessment of chemicals, exposure assessment for the chemical of concern and its alternatives will be comparatively evaluated with respect to their overall persistence and environmental fate using the equilibrium criterion (EQC) multimedia fate model. As a result of the study, recommendations will be made for substitution of chemicals that are of concern which are currently being used in Turkey with safer alternatives.

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Zoom Link:

<https://zoom.us/j/6417236089?pwd=TytiMU1XdnN2SXdkUG1IbkY5UVIDUT09>

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