

# DSV Seminars

# 2019



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE



DIPARTIMENTO DI  
SCIENZE DELLA VITA

*PhD Program in Environmental Life Sciences*  
**Monday, 15 April 2019 11:30**

Seminar room, 1st floor, Q Building, Via Giorgieri n° 5, Trieste

## **Prof. Sabrina Moret**

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*Host: Giorgio Alberti*

## **Mineral oil hydrocarbons and related hydrocarbons from food packaging**

Food can be contaminated with mineral oils hydrocarbons (MOH), which are complex mixtures of hydrocarbons of petrogenic origin comprising saturated (MOSH) and aromatic (MOAH) compounds; the former are of concern due to their bioaccumulation potential, whereas the latter (mainly 1-3 ring alkylated compounds) include suspected carcinogens. The seminar will give an overview on possible sources of contamination, with a special focus on migration from food contact materials, health implications, occurrence in foods, proposed limits, actions to reduce food contamination, and analytical challenges. Contamination with hydrocarbons of synthetic origin, i.e. polyolefin oligomers (POH) from plastic packaging (PE and PP), giving interference with MOH, will be also discussed, and some case studies will be illustrated.

