



# COURSE - Comfortable and Healthy Indoor Environments

Lecture: General indoor air pollutants and the role of fungi and fungal products in indoor air

Prof. Heidi Salonen

# Timetable

- ▶ 13:15-13:35 Introduction lecture
- ▶ 13:35-15:00 Presentations (8 PAIRS WILL PRESENT THEIR PRESENTATIONS DURING THE LECTURE (SELECTION IS BASED ON THE LOTTERY).  
+ discussion (including a break)
- ▶ 15:00-15:15 Test
- ▶ 15:30-16:00 Laboratory visit

# Learning outcomes of the lecture

- ▶ Characterize and communicate the general indoor air pollutants
- ▶ Characterize and communicate the role of fungi and fungal products in indoor air
- ▶ Pair working and presentation skills



# Some Indoor Air Quality Statistics

- ▶ People spend over 90% of their time indoors
- ▶ Indoor air quality is 2 to 5 x worse than outdoor air quality
- ▶ Indoor air pollution ranked in EPA's Top 5 environmental risks to public health
- ▶ 50% of illnesses are caused by aggravated indoor air pollution



General indoor air pollutants  
and their sources in a  
lecture room 216?  
(pair discussion 5 min)





<https://www.youtube.com/watch?v=MM14B6dzYYg>





# Pair work presentations..







<https://www.youtube.com/watch?v=DIbDI1ZfdTg>



2) ARTICLE: Nevalainen A, Täubel M, Hyvärinen A. Indoor fungi: companions and contaminants. Invited review. Indoor air 2015, 25 (2), p.125-156. Available online at: <http://onlinelibrary.wiley.com/doi/10.1111/ina.12182/epdf>

# INDOOR AIR

International Journal of Indoor Environment and Health

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Invited Review

## Indoor fungi: companions and contaminants

A. Nevalainen , M. Täubel, A. Hyvärinen

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[https://www.youtube.com/watch](https://www.youtube.com/watch?v=MUdN_HIUvrI)  
[?v=MUdN\\_HIUvrI](https://www.youtube.com/watch?v=MUdN_HIUvrI)

# Pair work presentations..





<https://www.youtube.com/watch?v=7TE3OaXzI9w>



Test (15 min)





Reading the lecture + group work materials.



# Thank you!



*"When the waters subside, the problem's going to be mold."*