

# POTENTIAL COSMETIC USE OF FUNGAL ENDOPHYTES: STUDY OF THEIR EFFECT ON THE VIABILITY OF NORMAL HUMAN DERMAL FIBROBLASTS

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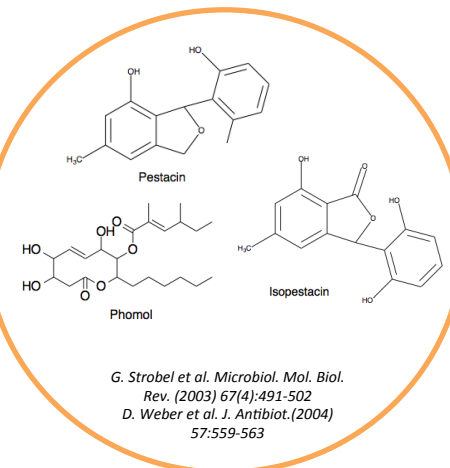
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## Presentation of the subject



Endophytes →  
Hyperdiverse source of  
natural substances

Production of defense  
metabolites → Plant  
protection



Rich source of new  
active cosmetic  
ingredients → Skin  
protection

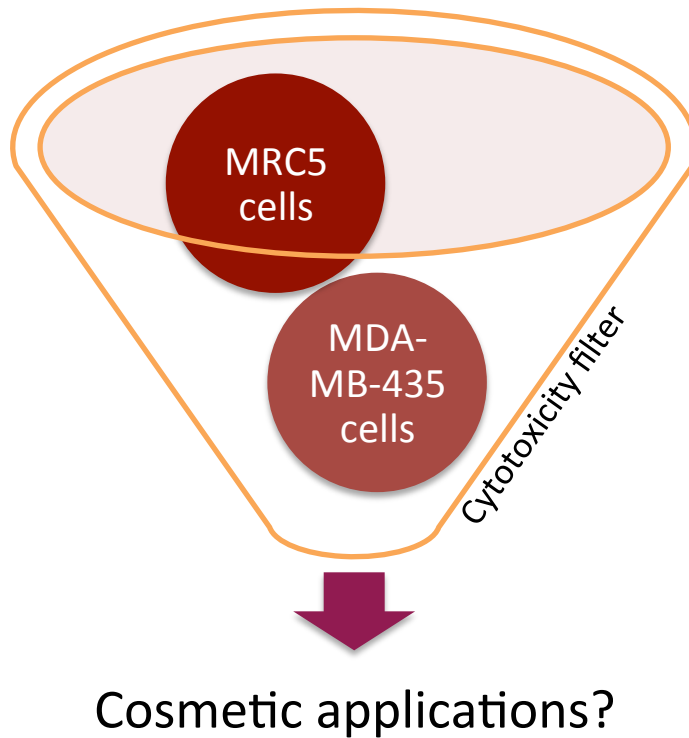


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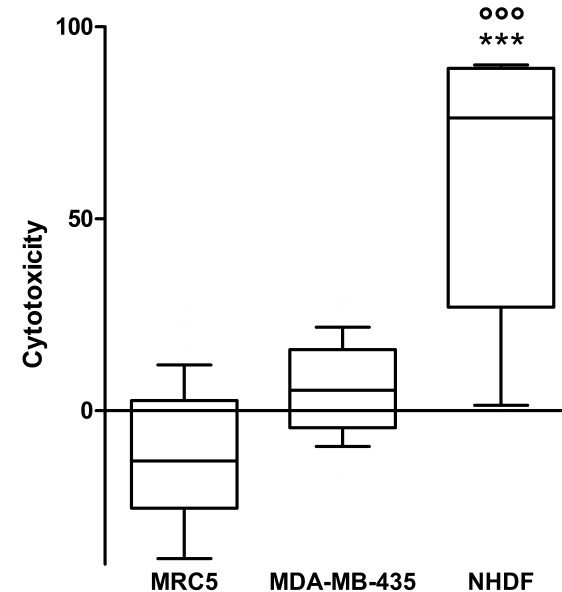
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## Objective

Prerequisite → Total absence of toxicity to skin cells



## Results



CYTOTOXICITY OF 80 ENDOPHYTES EXTRACTS AT 10µg/ML ON THREE DIFFERENT CELL TYPES

NHDF are significantly more sensitive to endophytes extracts tested at 10µg/mL than MRC5 and MDA-MB-435 cells