

Endophytic microflora harbored in *Cannabis sativa*

Parijat Kusari¹, Souvik Kusari², Michael Spiteller², Oliver Kayser^{1*}

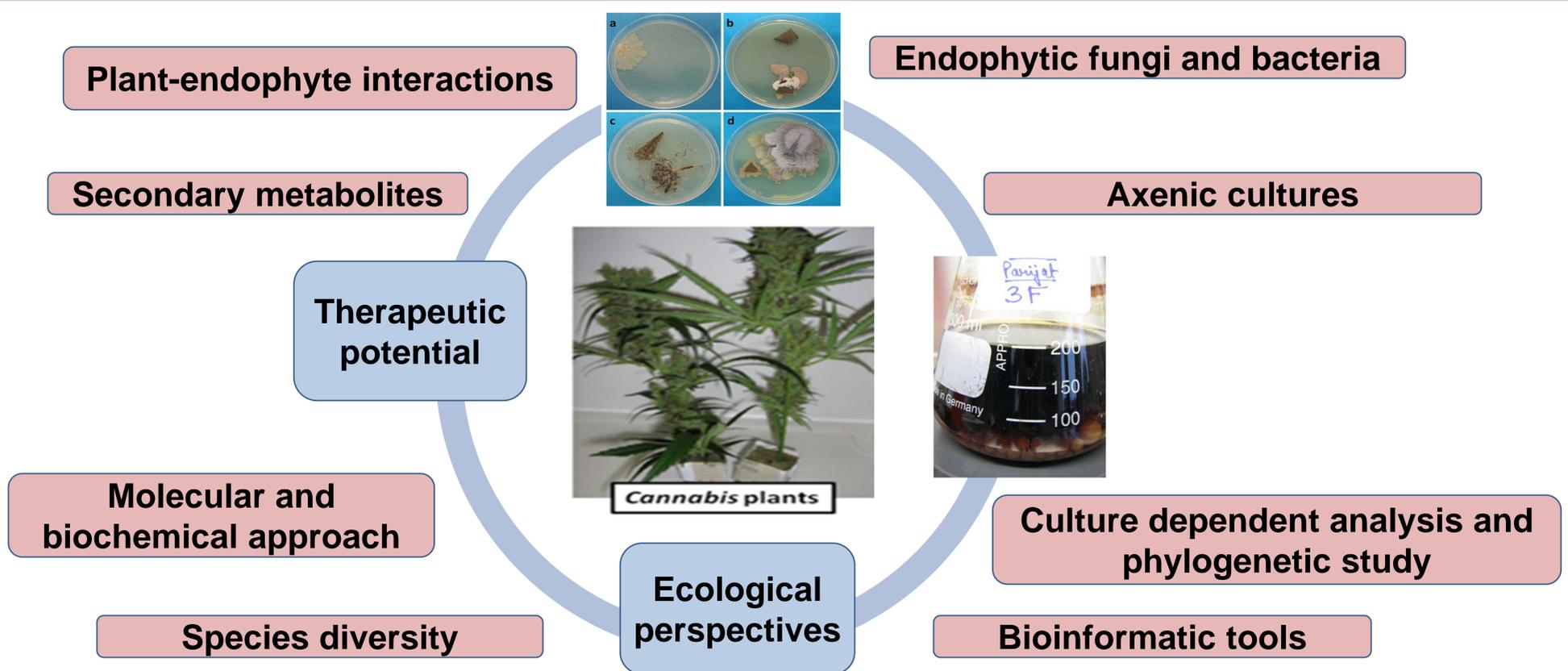
¹Technical Biochemistry, Department of Biochemical and chemical engineering, TU Dortmund, Germany

parijat.kusari@bci.tu-dortmund.de; oliver.kayser@bci.tu-dortmund.de

²Institute of Environmental Research (INFU) of the Faculty of Chemistry, Chair of Environmental Chemistry and Analytical Chemistry, TU Dortmund, Germany

souvik.kusari@infu.tu-dortmund.de; m.spiteller@infu.tu-dortmund.de

Introduction: *Cannabis sativa* is an annual herbaceous plant of the Cannabaceae family from central Asia. Cannabinoids are one of the major secondary metabolites of this plant, which are known to have important therapeutic benefits like analgesic, anti-inflammatory, neuro-protective, appetite-stimulant and many more. Endophytic microorganisms (endophytes) still remain an unexplored group of very promising organism with diverse potential for exploitation, that are capable of producing bioactive secondary metabolites, sometimes even those natural products considered exclusive to their host plants. Thus, these microorganisms are important not only from molecular and biochemical standpoint but also from the ecological perspectives.



Discussion:

- ❖ A plethora of endophytes have been isolated from various parts of *Cannabis* plant
- ❖ Comprehensive understanding of endophyte-plant relationship
- ❖ Phylogenetic analysis and bioprospecting

Outlook:

- ❖ Spatial distribution and species diversity
- ❖ Further molecular and biochemical evaluation
- ❖ Therapeutic benefits- understanding the difference between drug of abuse and medicine

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References:

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