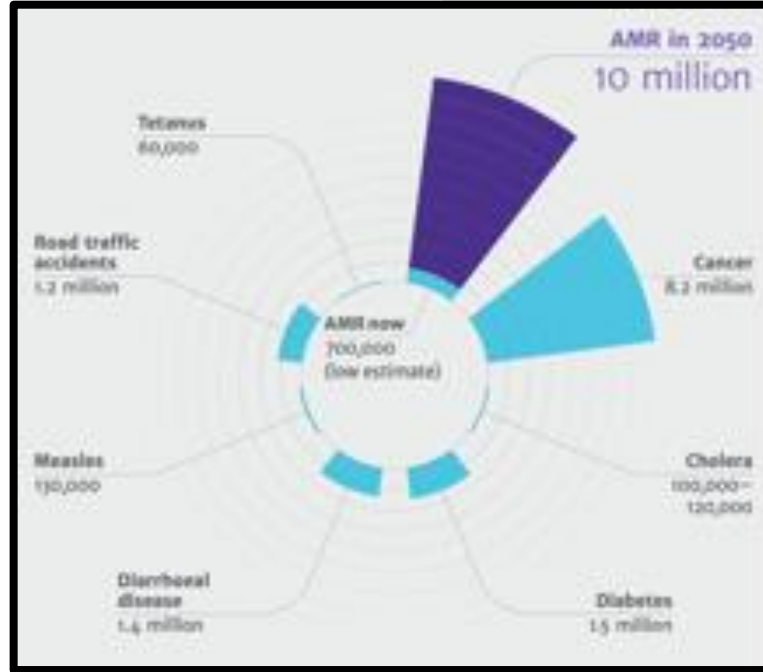


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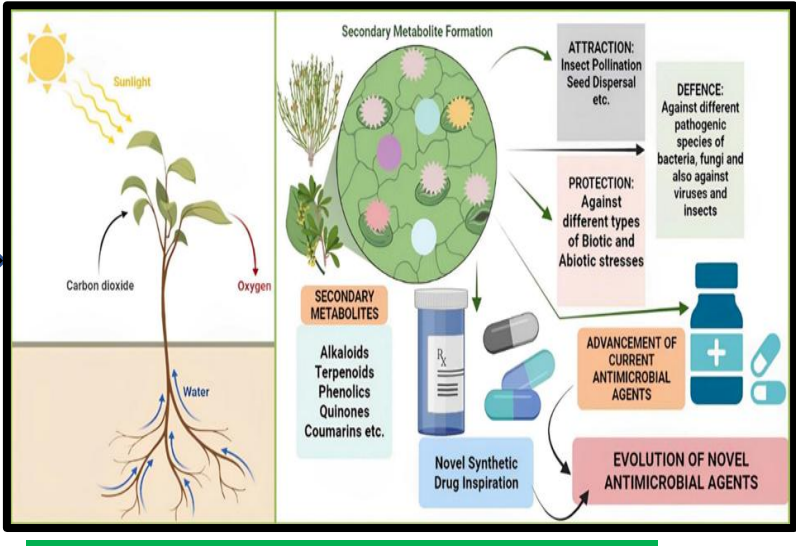


Antimicrobial resistance [1,2]

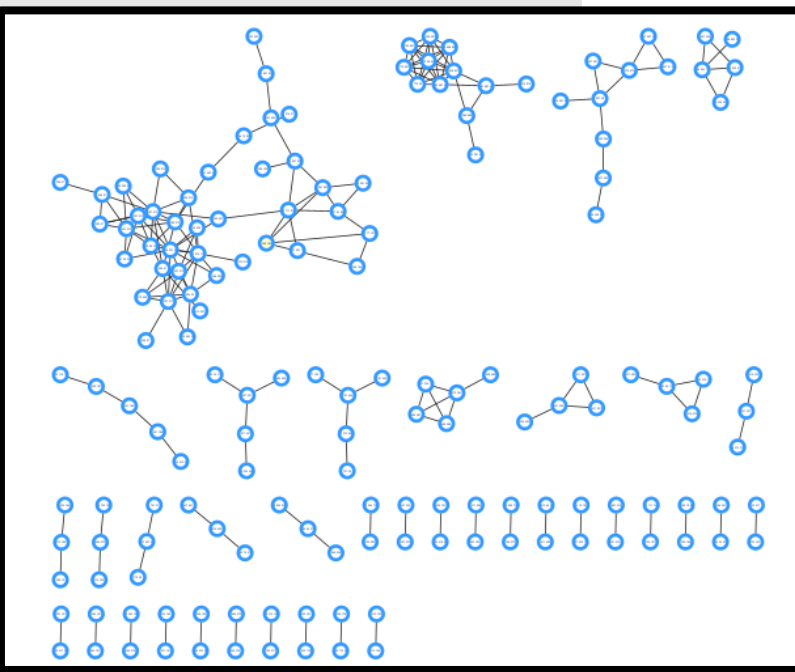


T.crassa with leaves and fruits

BACKGROUND



T. crassa [3, 4]

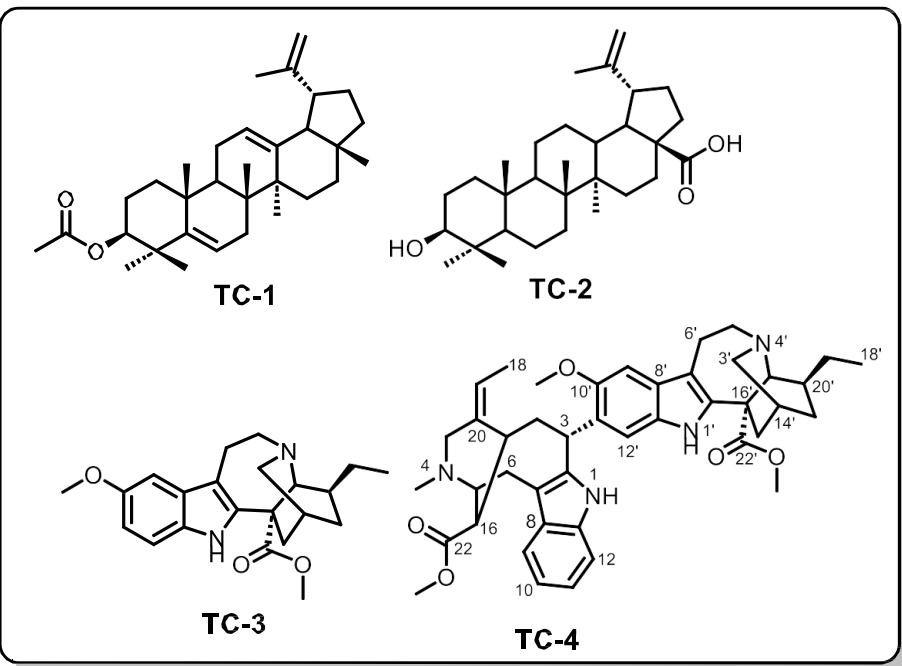
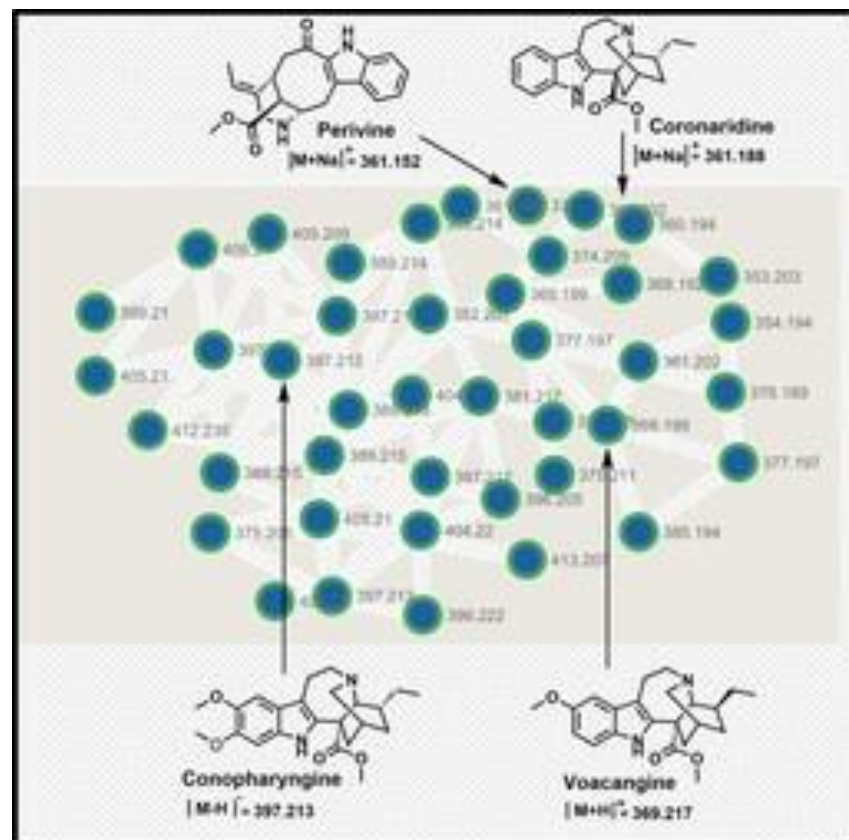


Extraction, purification in the host lab

MOLECULAR NETWORKING IDENTIFICATION OF HITS

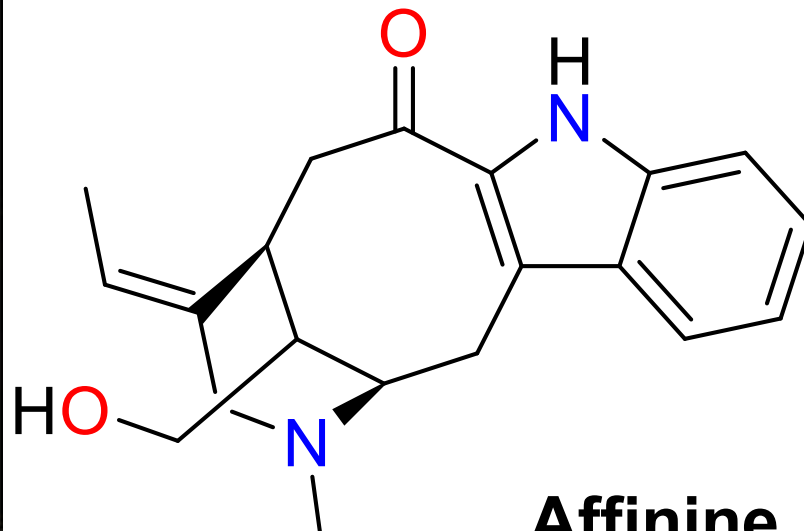
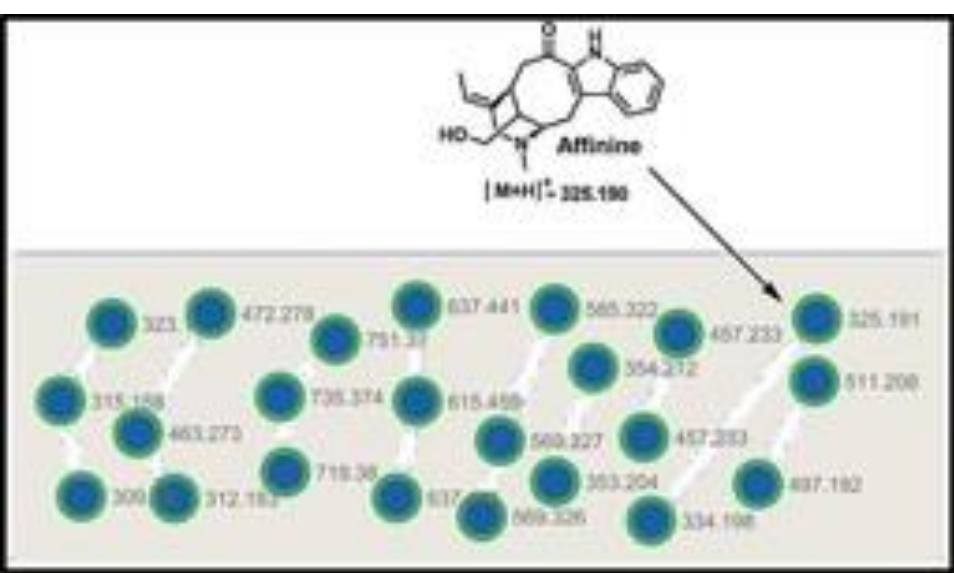


Stem bark of *T.crassa*.



New compounds isolated

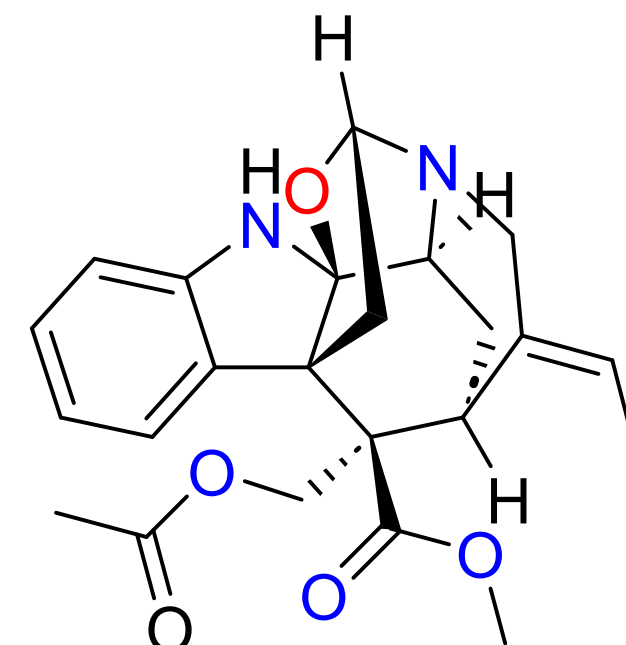
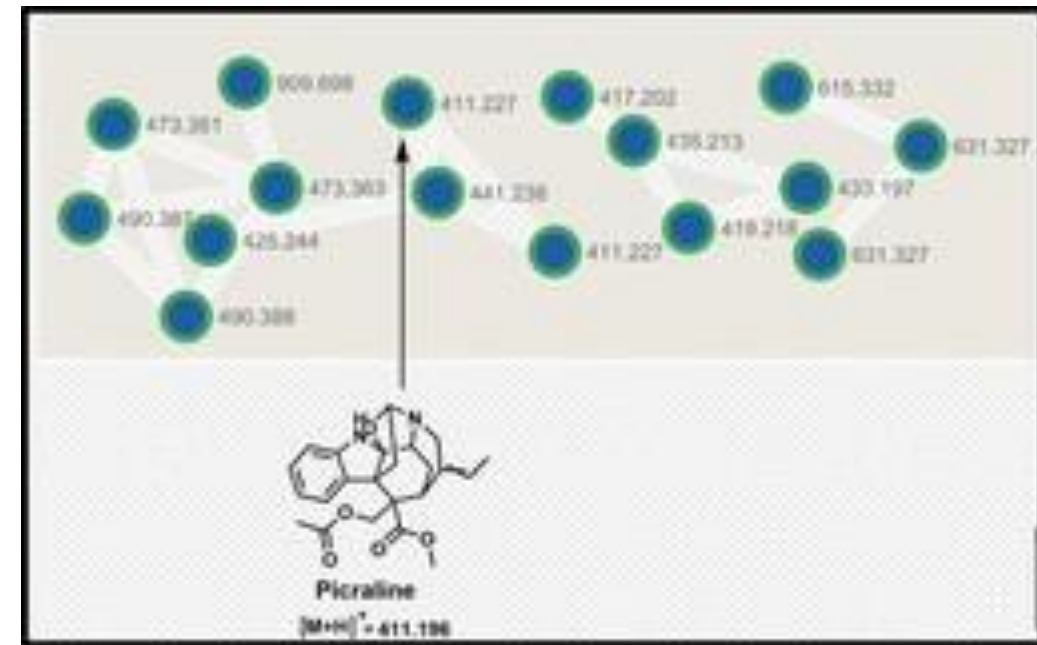
Figure: Building blocks-based molecular network



Affinine

Chemical formula: C₂₀H₂₄N₂O₂

Calc for [M + H]⁺ : 325.190



Picraline

Chemical formula: C₂₃H₂₆N₂O₅

Calc for [M + H]⁺ : 411.196

1. Extraction
2. LC-MS, HR-MS
3. Molecular networking

- The stem bark of *T. crassa* was harvested in Ekonjo village in the Southwest Region of Cameroon.
- A voucher specimen of the plant, N° SCA1132 was deposited at the Limbe Botanic Garden.

REFERENCES

- 1.Ahmed *et al*: Journal of Medicine, Surgery, and Public Health 2024, 100081.
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4. Ngah *et al*: Antibiotics (Basel) 2022, 11(1),121.

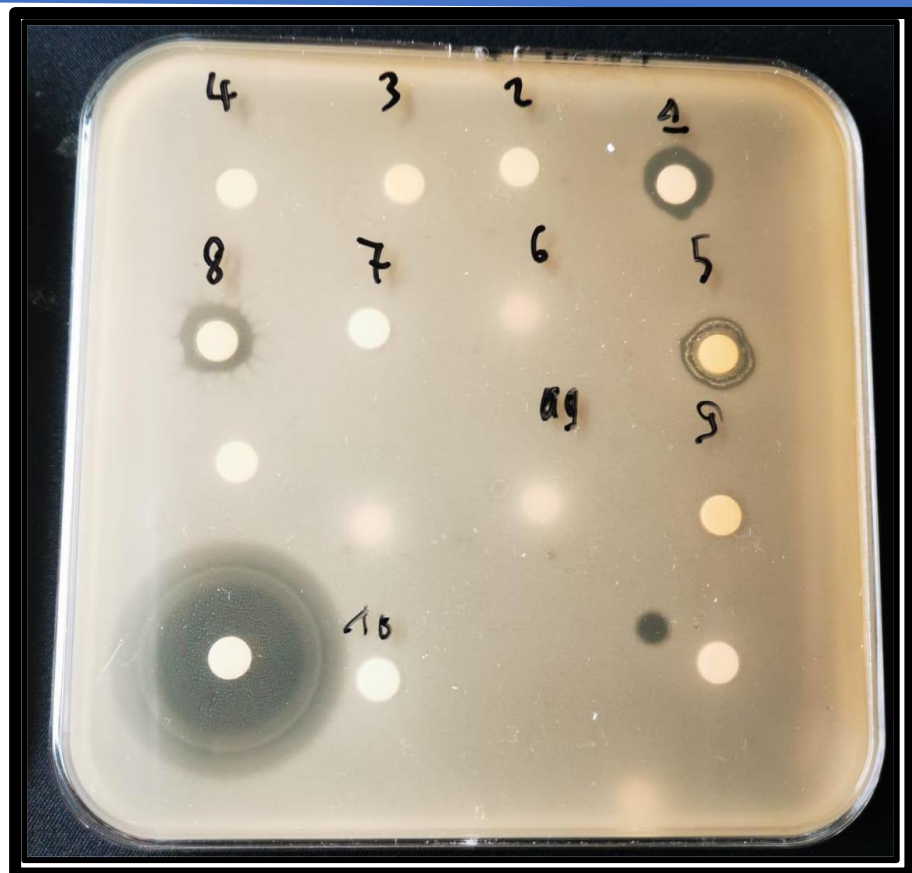


Plate showing the antibacterial activity against *Bacillus subtilis*

PERSPECTIVES



Prep. HPLC

- 1.1D & 2D NMR Analyses
2. Structure elucidation

New NPs

ACKNOWLEDGMENTS