> Figures
Values represent average of three determinations and expressed as mean ± S.D. Volume per well:

Conc: 500 mg/ml, Borer size used: 6mm.

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Fig 7. Antibacterial activity of selected medicinal plants against S.aureus 3160

Fig 8. Antibacterial activity of selected medicinal plants against E.carotovora 3609

Fig 9. Antibacterial activity of selected medicinal plants against P.syringae 1604

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**Fig 10. Antibacterial activity of selected medicinal plants against X.campestris 2286**

**Fig 11. Antibacterial activity of selected medicinal plants against A.alternata 149**

**Fig 12. Antibacterial activity of selected medicinal plants against A.niger 4633**
Fig 13. Antibacterial activity of selected medicinal plants against *Bipolaris spp*, 2105

Values represent average of three determinations and expressed as mean ± S.D. Volume per well:
Conc: 500 mg/ml, Borer size used: 6mm

Selected Medicinal plants

Fig 14. Antibacterial activity of selected medicinal plants against *U. maydis* 1474

Values represent average of three determinations and expressed as mean ± S.D. Volume per well:
Conc: 500 mg/ml, Borer size used: 6mm

Selected Medicinal plants

Fig 15. Antibacterial activity of selected medicinal plants against *P. expansum* 2006

Values represent average of three determinations and expressed as mean ± S.D. Volume per well:
Conc: 500 mg/ml, Borer size used: 6mm

Selected Medicinal plants
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Values represent average of three determinations and expressed as mean ± S.D. Volume per well: Conc: 500 mg/ml, Borer size used: 6mm.
Fig 19. Antibacterial activity of selected medicinal plants against *F. oxysporum* 3300

Values represent average of three determinations and expressed as mean ± S.D. Volume per well:
Conc: 500 mg/ml, Borer size used: 6mm

Fig 20. Antibacterial activity of selected medicinal plants against *T. phaseolina* 2165

Values represent average of three determinations and expressed as mean ± S.D. Volume per well:
Conc: 500 mg/ml, Borer size used: 6mm

Fig 21. Antiradical activity of selected medicinal plant extracts with FRAP

Values are the average of triplicate experiments and represented as mean ± standard deviation
Fig. 22. Antiradical activity of selected medicinal plant extracts with DPPH

Values are the average of triplicate experiments and represented as mean ± standard deviation

Fig. 23. Activity of Total Phenols (mg GAE/g) of selected medicinal plants

Values are the average of triplicate experiments and represented as mean ± standard deviation

Fig. 24. MIC values of different plant crude extracts against *E. coli*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
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Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
Fig. 30 MIC values of different plant crude extracts against \textit{S. aureus}.

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm.
Fig. 31 MIC values of different plant crude extracts against *E. carotovora*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 32 MIC values of different plant crude extracts against *P. syringae*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 33 MIC values of different crude plant extracts against *X. campestris*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
Fig. 34 MIC values of different plant crude extracts against *C. capsici*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 35 MIC values of different plant crude extracts against *A. alternata*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 36 MIC values of different plant crude extracts against *A. niger*

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
Fig. 37 MIC values of different plant crude extracts against Bipolaris sp

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 38 MIC values of different plant crude extracts against P. aphanidermatum

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Fig. 39 MIC values of different plant crude extracts against F. oxysporum

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm
Antibacterial activity of isolated compounds of *H. populifolia* (1-4)

Selected bacterial species

- Compound concentration 5µg/well, Borer size used: 6mm

Values represent average of three determinations and expressed as mean ± S.D; Borer size used: 6mm

Antibacterial activity of isolated fractions of *T. chebula* (1-3)

Selected bacterial species

- Compound concentration 5µg/well, Borer size used: 6mm
**Fig 46** Antifungal activity of isolated compounds of *H. populifolia* (1-4)

- Values represent average of three determinations and expressed as mean ± S.D

**Compound concentration 5µg/well, Borer size used: 6mm**

**Fig 47. Antifungal activity of isolated fractions (Tc1, 2, 3) from *T.chebula***

**Compound concentration 5µg/well, Borer size used: 6mm**

**Fig 48 Antioxidant activities of isolated compounds of *H. populifolia* (1-4)**

Values represent average of three determinations and expressed as mean ± S.D
Fig 49 Antioxidant activity of Isolated fractions from T.chebula

Values represent average of three determinations and expressed as mean ± S.D
ANTIMICROBIAL ACTIVITY OF DIFFERENT PLANT METHANOLIC EXTRACTS

Different plant extracts activity on B. subtilis (Image-1), S. aureus (Image -2), K. pneumoniae(Image-3) and E. coli (Image-4)

**Image 1:** 1-S.orientalis, 2-C. aisatica, 3-P.betel, 4-B. diffusa, 5- H. populifolia

**Image 2:** 1- A. indica, 2-C. roseus, 3-H. populifolia, 4-P. pinnata, 5-T. chebula

**Image 3:** 1-E. officinalis, 2-H. salveolens, 3-L. inermis, 4-H. populifolia, 5- P. minima.

**Image 4:** 1-B. ceiba, 2-R. indica, 3-S. nigrum, 4- M. alba, 5-H. populifolia.
ANTIMICROBIAL ACTIVITY OF DIFFERENT PLANT METHANOLIC EXTRACTS

Different plant extracts activity on *S. epidermis* (Image-5), *E. caratova* (Image-6), *P. syringe* (Image-7) and *X. campestris* (Image-8)

**Image 5**: 1-*T. portulacastrum*, 2-*T. terristris*, 3-*L. inermis*, 4-*E. scaber*, 5-*T. arjuna*.

**Image 6**: 1-*O. sanctum*, 2-*S. orientalis*, 3-*H. populifolia*, 4-*T. catappa*, 5-*V. cinerea*

**Image 7**: 1-*H. populifolia*, 2-*A. lebbeck*, 3-*C. occidentalis*, 4-*P. zeylanica*, 5-*T. chebula*.

**Image 8**: 1-*F. bengalensis*, 2-*P. longnum*, 3-*C. quadrangularis*, 4-*T. arjuna*, 5-*H. populifolia*.
ANTIMICROBIAL ACTIVITY OF DIFFERENT PLANT METHANOLIC EXTRACTS

Different plant extracts activity on *S. mutagens* (Image-9), *P. aeruginosa* (Image-10), (Image-11) and *X. campestris* (Image-12)

**Image 9:** 1- *P. minima*, 2- *E. scaber*, 3- *V. cinerea*, 4- *M. alba*, 5- *O. sanctum*

**Image 10:** 1- *B. diffusa*, 2- *A. lebbeck*, 3- *C. occidentalis*, 4- *P. zeylanica*, 5- *T. cattappa*

**Image 11:** 1- *F. bengalensis*, 2- *E. scaber*, 3- *S. nigrum*
**Image 12:** Control plate on *B. bicolor*, 1(50mg/ml), 2(5mg/ml), 3(methanol), 4(chloroform), 5(Dimethylsulfoxide). 1, 2 and 3 wells loaded with Bavistin

**Image 13:** Control plate on *B. subtilis*, 3, 1, 2 wells-loaded Streptomycin at 5μg, methanol and DMSO solutions respectively

**Image 14:** Control plate on *E. caratova* 1, 2, 3 wells-loaded Streptomycin at 5μg, methanol and DMSO solutions respectively
ANTIMICROBIAL ACTIVITY OF DIFFERENT PLANT METHANOLIC EXTRACTS

Different plant extract activity on *A. niger* (image 15), *C. capsici* (image 16), *P. aphanidermatum* (image 17) and *U. maydis* (image 18)

**Image 15:** 1- *H. sauveolens*; 2- *P. betel*; 3- *H. populifolia*

**Image 16:** 1- *A. indica*; 3- *T. arjuna*; 5- *H. populifolia*

**Image 17:** 1- *C. roseus*; 2- *H. populifolia*; 3- *P. nigrum*

**Image 18:** 1- *A. indica*; 2- *E. officinalis*; 3- *S. orientalis*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in DMSO solution. 50μl/well
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACT AGAINST *A. ALTERNARIA*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in 50μl of DMSO solution
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACTS AGAINST BIPOLARIS COLOR

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in 50μl of DMSO solution.
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACTS AGAINST *ERWINIA CARATOVARA*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in 50μl of DMSO solution.
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACTS AGAINST *PSEUDOMONAS SYRINGAE*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in 50μl of DMSO solution.
1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in DMSO solution. 50μl/well
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACTS AGAINST
*XANTHOMONAS CAMPESTRIS*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in DMSO solution. 50μl/well
1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in DMSO solution. 50μl/well
EFFECT OF MEDICINAL PLANT METHANOLIC EXTRACTS AGAINST *RHIZOCTONIA SOLANI*

1, 2, 3, 4 and 5 indicates the methanolic plant extract concentrations of 100mg/ml, 200mg/ml, 300mg/ml, 400mg/ml and 500mg/ml in DMSO solution. 50μl/well
ANTIMICROBIAL ACTIVITY OF ISOLATED COMPOUNDS AGAINST PATHOGENS

Image 51

Image 52