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Golden Research Thoughts

This is to certify that our Editorial, Advisory, and Review Board Accepted Research Paper of Dr. /Shri. /Smt.: **Kamble A. P. and Kulkarni S. W.** Topic:- **Antifungal And Antibacterial Activity Of Streptomyces Isolated From Soil Under Cultivation Of Curcuma Longa L** College:- **Shriman Bhausaheb Zadbuke Mahavidyalaya, Barshi, Dist-Solapur M.S, India.** The Research paper is Original & Innovative it is Done Double Blind Peer Reviewed. Your Article is Published in The Month of **June** Year 2014



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Ph. D. :- Studies On Actionomycetes From Soil Under Cultivation Of Arcuma Longa L.

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Article Review Report



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ABSTRACT:

The Streptomyces are Gram positive prolific group of actinomycetes. They are filamentous structure, strict aerobes, lack cross wall. Streptomyces are widely distributed in a variety of natural and manmade environments. The present research carried out to search antimicrobial activity produced by Streptomyces against different pathogens.

Abstract Report: The Title Accurately Said The Study was About.

INTRODUCTION:

Soil is a natural reservoir for microorganisms and their antimicrobial products (Dancer 2004). Plant rhizosphere soil is a unique biological niche with a diverse micro flora of bacteria, fungi, protozoa and algae. These communities have been played significant role in nutrition by a high input of organic materials derived from the plant roots and root exudates that are necessary for microbial growth (Lynch 1990).

Introduction Report: This Article Include Full Introduction, Methods, Results & Introduction Section.

METHODS & MATERIALS:

1. Soil samples- Three rhizosphere soil samples under cultivation of Curcuma longa L. were collected from the villages around Barshi, Dist. Solapur, M.S. India and used in this study for isolation of antibacterial and antifungal activity.
2. Glycerol asparagine agar
3. 24 hrs. old standard culture of Bacillus megaterium, Klebsiella pneumoniae, Staphylococcus aureus, Salmonella typhi Aspergillus niger, Saccharomyces cerevisiae, Candida albicans and Penicillium chrysogenum. as test organism.
4. 2% Nutrient agar.
5. 2% Sabouraud agar

Methods & Materials Report: Tables/Boxes/Diagram & Images are Used to Explain Specific Points or Background Information. Figures That The Plotted Parameters are Clearly Mentioned.

RESULT:

1. Identification of Streptomyces: By using morphological, cultural characteristics and MICRO-IS software the five isolates were identified as Streptomyces fulvissimus, Streptomyces lydicus, Streptomyces prasinosporus, Streptomyces roseus, Streptomyces filipinensis.

Result Report: Figures are Imported to Provide Explanation for Background Information. Conclusion of This Paper Clearly Supported Results.

CONCLUSION:

From the result it is concluded that Streptomyces sensitive to tested bacteria and fungus showed antibacterial and antifungal activity and they will be studied further for the production of this type of antimicrobial substance because they showed potential for the antimicrobial activity. These antimicrobial substances will be used to prevent human and plant bacterial and fungal diseases.

Conclusion Report: The Text is Rounded off with a Conclusion that Discusses the Implication of The Findings & Ideas Discussed & Their Impact on Future Research Direction.

REFERENCES:

- Bergey's Manual of Determinative bacteriology. Cappucino J. C. & Sherman N (1992) In; Micorbiology : A laboratory manual 3rd ed. New York: Benjamin/ Cumming pub.co
- Bryant T.N. (2004) PIB Win - software for probabilistic identification. Journal of Applied Microbiololgy. 97(6):1326-7.
- Chamberlain K and Crawford D. C. 1999. In vitro and In vivo antagonism of pathogenic trufgrass fungi by Streptomyces hygrosopicus strains YCED9 & WYE53. Journal of Industrial Microbiology & Biotechnology 23:641-646.

Reference Report: The author cited all the most relevant previous studies and explains how they relate to the current study

RECOMMENDATIONS:

Abstract Report: Introduce New Regular For Content & Communication.

SUMMARY OF ARTICLE:

	Very	High	Average	Low	Very Low
1. Interest of the topic to the readers		✓			
2. Originally & Novelty of the ideas	✓				
3. Importance of the proposed ideas		✓			
4. Timelines			✓		
5. Sufficient information to support the assertions made & conclusion drawn					
6. Quality of writing(Organization, Clarity, Accuracy Grammer)	✓				
7. References & Citation(Up-to-date, Appropriate Sufficient)			✓		

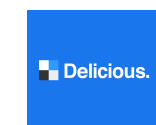
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Future Research Suggestions

This Article can expand further research for MINOR/MAJOR Research Project at UGC



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