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Erioglossum rubiginosum: A Biological View

By S. M. Masud Rana

LAP Lambert Academic Publishing Mrz 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x4 mm. This item is printed on demand - Print on Demand Neuware - The main focus of this study was to evaluate Erioglossum rubiginosum extracts for cytotoxic and antimicrobial properties. The cytotoxic activities were investigated by using brine shrimp lethality test in Artemis salina. The antibacterial activities were evaluated by using disc diffusion method against a wide range of bacteria (both gram negative and gram positive bacteria) and antifungal activities were determined by poisoned food technique against Aspergillus niger and Candida albicans. The result of the study demonstrated that the plant possess low cytotoxic properties and significant antibacterial activities against gram positive bacteria Staphylococcus aureus, gram negative bacteria Salmonella typhi and Shigella dysenteriae compared to Cephradine. Interestingly, gram positive bacteria Bacillus cereus was found resistant towards this plant. On the other hand the investigated plant showed mild antifungal activity against Aspergillus niger and Candida albicans. Above data and experiment prove that the plant has significant biological activity. 60 pp. Englisch.

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