Antibacterial Activity of Sea Buckthorn
*(Hippophae rhamnoides L.)* against Pathogenic Microbes

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Abstract: *Sea buckthorn (Hippophae rhamnoides L.) is a unique and valuable plant and has recently gained worldwide attention mainly for its medicinal and nutritional potential. It is a thorny bush with yellow-orange pearl shaped fruits and has a high content of vitamins, minerals, natural antioxidants and omega-3,6 fatty acids. Doses of 2 mg/ml, 4 mg/ml and 6 mg/ml of aqueous extract of plant berry powder were evaluated against Gram positive and Gram negative microbes by using disc diffusion and agar well diffusion method. The zone of inhibition was compared with the standard drugs vancomycin and Kanamycin (30 µg/ml). It was concluded that the aqueous extract of berry powder has antibacterial activity, which may be used to prevent various diseases and can be incorporated in human and animal diet.*

Keywords: Hippophae rhamnoides L., Antibacterial Activity, Minimum Inhibitory Concentration, Gram Positive, Gram Negative

REFERENCES

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