
Traditional uses and antioxidant activities of the medicinal plants in Soukhouma district, Champasak Province, Laos.

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Résumé

The herbal recipes' information was collected by interviewing the healers (from Lad, Bok, Soukhouma and Huayphai villages, Soukhouma district, Champasak Province), and the antioxidant activity evaluation was performed by the DPPH scavenging method. From four villages in Soukhouma district, 9 formula and 25 recipes were studied. These formula included diabetes cured formula 20%, leucorrhoea 8%, renal calculi 4%, peptic ulcer 12%, skin cancer 12%, liver cancer 12%, uterus cancer 12%, bone cancer 12%, and other cancer 8%. These 9 formula contained 96 plant species belonging to 39 plant families (Caesalpinoidae 23%, Rubiaceae 23%, Euphorbiaceae 10.25%, Moraceae 10.25%, Poaceae 10.25%, Solanaceae 10.25% and other families 7.68%) and The percentage of plants used for diseases are : diabetes 17.70%, cancers 16.66%, peptic ulcer 15.68%, skin cancer 12.5%, uterus cancer 12.5%, bone cancer 7.37%, leucorrhoea 7.37%, gouty kidney 3.12%. Plant part used were: root 43.75%, stem 25%, wood core 9.35%, leaves 5.20%, fruit 3.12%, plant parasite 2.08%, and whole plant 1 %. Six plants were selected for antioxidant activity test, *Albizia myriophylla* Benth., *Terminalia bellirica* (Gaertn.) Roxb., *Curcuma zanthorrhiza* Roxb., *Diospyros walker* (Wight) G'urke, *Pterocarpus macrocarpus* Kurz and *Smilax glabra* Roxb. The result of antioxidant activity had shown that *Albizia myriophylla* 0.16±0.03 µg/ml, *Terminalia bellirica* 2.83±0.95 µg/ml, *Curcuma zanthorrhiza* 13.08±0.25 µg/ml, *Smilax glabra* 35.60±1.32 µg/ml.

Mots-Clés: herbal recipes utilization in champasak province

*Intervenant

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