

Ethno medical findings on botanicals frequently used for children's health in south eastern Nigeria

This research surveys and documents information on medicinal plants and their botanical preparations used in the treatment of children's ailments in South-eastern Nigeria. Children under the age of 5 in developing countries suffer from diseases with high morbidity and mortality rate yearly due to inaccessible and unaffordable health care. Structured questionnaires were administered to the herbal sellers, traditional medicine practitioners, nursing mothers and adult dwellers to collect data on the names of plants used to treat the conditions, methods of preparation, duration of treatment, adverse effects and the methods of administration of the plant materials. A total of 135 plants belonging to 55 families were identified for the management of children's health in the area. Common paediatric ailments which were said to be treated with herbal remedies by the respondents included malaria, pneumonia, stomach ache, diarrhoea, dysentery, measles, chicken pox/small pox, convulsion, jaundice, pile, ringworm, scabies, eczema, stubborn cough, scurvy, catarrh, wounds, boils, insect bites, food poison, cholera, and umbilical cord complications. Percentages of respondent were; herbal sellers were (48.2%) traditional medical practitioners (21.6%), nursing mothers (11.1%) and others (19.1%). The most occurring plant families were Euphorbiaceae, Fabaceae and Apocynaceae with 8 species of plants each, followed by Annonaceae and Asteriaceae with 7 and 6 species respectively. The recipes were made from the combination of different parts of two or more plants species, and others were made from single plant parts. Methods of extraction were mostly decoction, raw squeezing out of the juice and infusion, while oral administration was the main route of administration.

Biography

Chioma Nwakamma is a graduate of Plant Science and Biotechnology from Imo State University Owerri, and a postgraduate student of Michael Okpara University of Agriculture, Umudike, Nigeria. Her research interest includes medicinal plants and ethno botany, drug discovery, plant conservation, biotechnology, plant taxonomy and biosystematics. She was born on the 5th of May, 1991 in Imo state Nigeria. She currently teaches Agriculture and Biological Sciences in one of the high schools in Nigeria.

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