

**The effect of Alcoholic extract of *Aloe vera* leaves on
the level of glucose sugar and some biochemical
components in the blood of rabbits**

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Abstract:

Since the Diabetes Mellitus became a global healthy problem diffuse widely among different society strata and began to threaten the lives of many persons, it's a chronic disease can be caused by a genetic factor, and can be by functional or environmental caused, this disease associate with the many functional disturbances of body members, is observed that one of the complications of diabetes, is the liver function weakness and what associate with it of enzymtic changes relating to the work of the liver, such as high efficiency of GOT and GPT enzymes in diabetes patients , and the diabetics suffer from different vascular complexities, such as coronary heart disease, as well as suffering from the nervous disorders, also from the complications of diabetes, disruption of thyroid gland function .

After knowing of the main causes of the disease, the scientists in various countries around the world begin conducting researches

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Effect of using Various Combinations of the Plant Meal as a Source of Vegetable Protein in the Diets of Broiler Chickens in the Productive Performance

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Abstract:

Keywords: sources of vegetable protein, broiler chickens, productivity

1. Introduction

Many of the world's population, particularly the people in developing countries suffer from a severe shortage of food, especially in the protein-sources because of the continual increase in their numbers, and shortages of food sources for several reasons. There for to insure the food to meet the needs of the population, particularly the animal products, makes the search for sources of animal protein with minimum of difficulties and minimum of possible cost is vital matter [29] In order to achieve to this must be interest in the sources of animal protein such as the farming animals and the poultry. The poultry are characteristic by high production efficiency, where the specialists in poultry science enables from getting strains of poultry are characterized by high production of eggs and meat, and these high efficiency in poultry production in many countries of the world impute to supplies abundant and good combinations of nutrients in poultry diets, as well as due to the considerable efforts which grant in applied researches in various fields of the poultry industry, particularly in the researches of nutrition science [9]. Since several decades, poultry nutritionist recommend appropriate combinations of nutrients to produce an economical and highly efficient diets, can be adopted in different ages and production phases of poultry [3].

Soybean meal (SBM) consider one of the most common sources of vegetable protein in poultry diets [42]. It characterized by a good nutritional value in terms of protein content 45% or more with good biological value [6]. This protein contains on essential amino acids need by birds. Soybean meal content of crude protein (44%) with

good proportions of amino acid amounted (1.17% Lysine, 0.61%,Mehionine, 1.31% Cystine, 0.61% Tryptophan, 3.42% for Leucine [40].

As a result of the expansion that took place in poultry industry, the request on the SBM has become continuously growing. As well as cultivation and production of soybeans, is limited to few countries around the world, increases their prices especially feeds cost, comprises 65 - 70 % of total expenses [39]. Alternative sources of proteins from local plants may reduce the crisis in case these plants have similar type of protein as that of SBM, [10]. One of these alternatives that can be used in poultry diets and being available locally are the remnants of vegetable oils industry such as sunflower meal and sesame meal after some alteration [2].

Sunflower meal resulting from shelled seeds contains (40%) crude protein, with essential amino acids, and rich in mineral elements and vitamins, especially Vitamin B complex [17]. Chemical composition of the SFM depend on the type of seeds and the method of preparation, as well as the way of oil extraction [34]. Sunflower meal contain (43 - 50 %) crude protein of good nutritional value [19; 21; 23].

Many studies were conducted been to find out the possibility of the benefiting from sunflower meal as a source of vegetable protein in poultry diets. The study of [37], pointed out the possibility of using sunflower meal successfully in the diets of laying hens when balancing the level of amino acid(Lysine) and energy in the diets. Study of [1], discuss the possibility of using sunflower meal instead of soybean meal in the diets of broiler chickens, because it's contain a good ratio of protein, especially the meal which resulting from shelled seeds, in addition to the good content from amino acids is which meets