1/21/23, 11:19 AM HTML / Printer-friendly

**AgSURS - Reviewer 1 View**

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| **Abstract Title** | Nutritional, Physicochemical and Sensorial Characteristics of Chicken Sausages Incorporated with a Mixture of Selected Vegetables |
| **Abstract Body** | The present study was conducted to evaluate the effect of different inclusion levels (0, 6, 12 and 18%) of pre-formulated vegetable mixture containing pumpkin, carrot and drumstick leave powder on the nutritional, physicochemical and sensorial quality characteristics of chicken sausages. The experimental design was completely randomized design evaluating four treatments (Control: 0%, VM6: 6%, VM 12: 12% and VM18: 18% vegetable mixture). Each treatment had four replicates and 4-suasage links per replicate (n=4). Treatments were analysed for the proximate composition, gross energy, ~~The treatments were tested for~~ cooking loss, cooking yield, pH, water holding capacity (WHC), moisture retention, texture profiles, juiciness, external and internal colour (CIE L\*, a\* and b\*), folding test qualities and the extract release volume. Sensory attributes were evaluated using 30-untrained panellists for toughness, aroma, taste, texture, juiciness appearance, surface colour and overall acceptability in a 7-point hedonic scale. The moisture, and the crude fiber contents of sausages were found to be increased with increasing levels of vegetable mixture while crude fat, crude protein and ash contents were found to be declined. All the physicochemical attributes except the internal colour measurements (L\*, a\* and b\*) were affected by the inclusion level (P<0.05). Among the inclusion levels tested VM18% yielded the most desirable physicochemical properties. Inclusion of the vegetable mixture at a rate of 6% and 12% attracted panellists the most. The present study concluded that the inclusion of prescribed minced vegetable mixture could be used successfully and effectively for the development of physicochemical and sensory properties of chicken sausages (Suggest to omit this sentence). In overall the present study concluded that inclusion of minced vegetable mixture in the sausage formulation from 6% to 12 % can be used successfully without deteriorating major physicochemical and sensory attributes of the product. |
| **Key Words (5 Words)** | carrot, chicken, drumstick leaves, pumpkin, sausages |
| **Abstract ID** | ANB0209 |
| **Findings of this study (r1)** | ……………………………………………………………………………………………………………………………………..1. Make a significant contribution to existing knowledge
2. Make a marginal contribution to existing knowledge
3. Contain conceptual errors/faulty judgments
4. Confirm known results
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| **Title of the abstract(r1)** | …………………………………………………………………………………………………………………………………….1. Is appropriate to the thematic area and descriptive
2. Needs improvement
 |
| **If needs more improvements for****"Title" please specify here(r1)** |  |
| **The content of the abstract(r1)** | ………………………………………………………………………………………………………………………………………1. Is clear and concise
2. Needs improvements
 |
| **If needs more improvements for "Abstract" please specify here(r1)** |  |
| **Recommendation(r1)** | ………………………………………………………………………………………………………………………………………1. Accept in the present form with minor editorial corrections
2. Accept with minor corrections
3. Accept with major revisions cited
4. Reject
 |
| **Please justify reasons for If rejection(r1)** |  |
| **Any Other****Comment(r1)** | Proposed to include some significant values of proximate analysis and physicochemical analysis. |
| **Any Other****Attachment(r1)** |  |

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