

# The North African Journal of Food and Nutrition Research

## Contents

Volume 8: Issue 17, January – June 2025

### Original Articles

#### Food Microbiology, Safety and Toxicology    Public Health Nutrition Policy & Economics

Assessment of phthalate knowledge, plastic use practices and cheese handling among adults in Jeddah city (Saudi Arabia)

Allily, R., Mouminah, H. H.,

<https://doi.org/10.51745/najfnr.8.17.1-10>

#### Public Health Nutrition Policy & Economics    Human and Clinical Nutrition

Prognostic performance of serum protein markers in assessing mortality risk for North African pediatric population hospitalized with complicated severe acute malnutrition

Barouaca, H.

<https://doi.org/10.51745/najfnr.8.17.11-20>

#### Food Chemistry, Engineering, Processing and Packaging    Human and Clinical Nutrition

Impact of deep-fat frying cycles on the physicochemical characteristics of two edible vegetable oils marketed in Algeria

Benmeziane, F., Araba, K., & Belahcene, A.

<https://doi.org/10.51745/najfnr.8.17.21-31>

#### Food Chemistry, Engineering, Processing and Packaging    Functional and Novel Foods

Effects of traditional processing techniques on nutritional quality and sensory acceptability of value-added products made from cowpea (*Vigna unguiculata L. var. p.*) produced in Ethiopia

Gutema, T., Tolesa, G. N.

<https://doi.org/10.51745/najfnr.8.17.32-43>

#### Human and Clinical Nutrition    Functional and Novel Foods

Anti-inflammatory activity of doum palm fruit extract used in the management of benign prostatic hyperplasia

Bellifa, N., Benhaddou, I. A., Berber, A., Selka, A., & Toumi, H.

<https://doi.org/10.51745/najfnr.8.17.44-51>

#### Human and Clinical Nutrition    Infant, Child, and Adolescent Nutrition

Relationship between intake of energy-dense diets and nutritional status of adolescents in primary schools in Nairobi City County, Kenya

Muinga, E., Waudo, J., & Osur, J.

<https://doi.org/10.51745/najfnr.8.17.52-65>

#### Human and Clinical Nutrition

Association between 24-hour urinary sodium and iodine in a Beninese population

Mizéhoun-Adissoda, C., Fettoune, K., Houinato, D. S., Auditeau, E., Preux, P. M., & Hamidou, B.

<https://doi.org/10.51745/najfnr.8.17.66-75>

#### Infant, Child, and Adolescent Nutrition

Risk factors associated with Severe Acute Malnutrition (SAM) in children aged 6 – 59 months in the Mokolo Health District, Far North region of Cameroon

Ndah, T., Tazoho, G. M., Youssa, C. N., Ngoufack, F. Z., & Kuate J. R.

<https://doi.org/10.51745/najfnr.8.17.76-85>

#### Human and Clinical Nutrition    Functional and Novel Foods

Randomized, placebo-controlled pilot study investigating the effects of *Laurus nobilis* tea on lipid profiles and oxidative stress biomarkers in healthy North African volunteers

*Chbili, C., Mrad, S., Graiet, H., Selmi, M., Maatoug, J., Maoua, M., Abdellaoui, L., Mrizek, N., Nouira, M., Ben Fredj, M., Ben Saad, H.*

<https://doi.org/10.51745/najfnr.8.17.86-98>

**Food Microbiology, Safety and Toxicology    Public Health Nutrition Policy & Economics**

**Determination of phthalate esters contents in different types of cheese produced and consumed in Saudi Arabia**

*Allily, R., Mouminah, H. H., Madkour, M.*

<https://doi.org/10.51745/najfnr.8.17.99-111>

**Food Chemistry, Engineering, Processing and Packaging**

**Phenol content, potential antioxidant and anti-urolithic effects of fruit and leaf extracts from Algerian *Capparis spinosa L.***

*Helali, A., Benchachou, K., Kemer, C., Kechkeche, S., Bellifa, N., & Dali-Yahia, M. K.*

<https://doi.org/10.51745/najfnr.8.17.112-122>

**Public Health Nutrition Policy & Economics**

**Enhancing food and nutritional security through Gender-Disaggregated Analysis: A case study of Lake Victoria Shore, Tanzania**

*Jettah, R. N., Mbasa, B., & Mdoe, C. N*

<https://doi.org/10.51745/najfnr.8.17.123-134>

**Human and Clinical Nutrition    Nutrition, Metabolism, and Prevention of NCDs    Functional and Novel Foods**

**Seed from olive cake prevents hyperglycemia, hyperlipidemia, and oxidative stress in dexamethasone-induced diabetes rats**

*Garba, M. S., Bouderbala, S.*

<https://doi.org/10.51745/najfnr.8.17.135-148>

**Nutrition Education & Dietetics    Infant, Child, and Adolescent Nutrition**

**Participatory cooking demonstrations for mothers improve feeding practices of young children in southern Benin**

*Adissoda, C. M., Morou, K., Edjrokinto, H., Padonou, G. S. R., Mahounou, J. R., Flenon, A., A Wiafe, M., & Aglago, E. K.*

<https://doi.org/10.51745/najfnr.8.17.149-158>

**Nutrition Education & Dietetics    Human and Clinical Nutrition**

**Determination of nutrient composition of some selected traditional home- made meals commonly consumed in Syria**

*Sarem, Z., Alkhattib, W.*

<https://doi.org/10.51745/najfnr.8.17.159-166>

**Public Health Nutrition Policy & Economics    Human and Clinical Nutrition    Nutrition, Metabolism, and Prevention of NCDs**

**Association between meal skipping and the double burden of malnutrition among university students**

*Olagunju, M., Aleru, E. O., Abodunrin, O. R., Adedini, C. B., Ola, O. M., Abel, C., Adewole, I. E., Okunbor, H. N., & Akinsolu, F. T*

<https://doi.org/10.51745/najfnr.8.17.167-177>

**Food Chemistry, Engineering, Processing and Packaging    Functional and Novel Foods**

**Determination of sensory, microbiological and antioxidant properties of tortilla added with roselle decoction calyxes powder**

*Mercado-Mercado, G., Núñez-Gastélum, J. A., Herrera, D. I. C., García, K. E. R., García, A. V. J., de la Trinidad, E. H.*

<https://doi.org/10.51745/najfnr.8.17.178-191>

**Sport and Exercise Nutrition**

**Does sex differ the relationship between macronutrients adequacy and aerobic power?**

*Ali, M. A., Handayani, O. W. K., Kurniawati, D. M., Dewi, L., Fibriana, F., Anggita, G. M., & Agustina, A.*

<https://doi.org/10.51745/najfnr.8.17.192-201>

**Functional and Novel Foods**

**Supplementation species effect on the phenolic content and biological bioactivities of the decocted green tea**

*Bey-Ould si Said, Z., Arkoub-Djermoune, L., Bouriche, S., Brabmi, F., Boulekbache-Makhlouf, L.*

<https://doi.org/10.51745/najfnr.8.17.202-215>