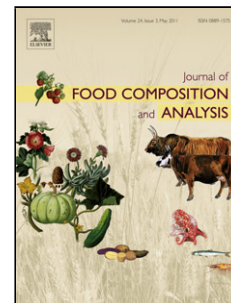


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Title: Characterisation and chemometric evaluation of 21 trace elements in three edible seaweed species imported from south-east Asia

Authors: Oto Miedico, Ciro Pompa, Celeste Tancredi, Angela Cera, Eleuterio Pellegrino, Marina Tarallo, A. Eugenio Chiaravalle



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Characterisation and chemometric....

A submission to Journal of Food Composition and Analysis

Original Research Article

Characterisation and chemometric evaluation of 21 trace elements in three edible seaweed species imported from south-east Asia

Oto Miedico, Ciro Pompa, Celeste Tancredi, Angela Cera, Eleuterio Pellegrino, Marina Tarallo, A. Eugenio Chiaravalle*

*Istituto Zooprofilattico Sperimentale della Puglia e della Basilicata, Via Manfredonia 20,
71121 Foggia, Italy*

* Corresponding author. Tel: +39 0881 786345; Fax: +39 0881 786394
e-mail address: izsfchimica@infinito.it;
eugenio.chiaravalle@izspb.it

Highlights

- Levels of 21 trace elements were determined in 92 edible seaweed samples
- Chemometric approach was applied for studying differentiation between the 3 species
- Taxonomic genus and geographic origin have great importance on trace element profile
- Safety aspects about heavy metal exposure by seaweed consumption were studied
- Al and Cd show a remarkable risk due to seaweed consumption

ABSTRACT

This study was performed to delineate a characterisation of 21 trace elements (Al, As, Be, Cd, Co, Cr, Cu, Fe, Hg, Mo, Mn, Ni, Pb, Sb, Se, Sn, Sr, Tl, U, V, and Zn), in 92 samples of edible

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