

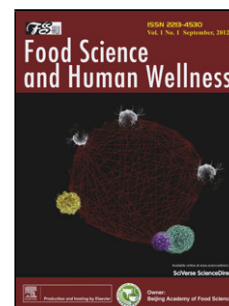
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Nutritional and medicinal characteristics of Chinese giant salamander (*Andrias davidianus*) for applications in healthcare industry by artificial cultivation: a review

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Abstract

Andrias davidianus, i. e. Chinese giant salamander (CGS), is one of the largest and oldest amphibians existing in the world and is also one of the valuable biological resources of China. Wild CGS has been threatened with extinction in the past decades due to over capturing, deterioration of natural environment, the slow breeding and growth of the wild species in nature. However, in the past twenty years, with the breakthrough and progress of artificial breeding technology by artificial insemination, the number of artificially cultivated CGS has increased rapidly. Artificially cultivated CGS can either be released to the CGS living environment to increase the population in nature or legally applied in food and medicinal industry as a feedstock due to the unique nutritional and medicinal values of CGS as recorded historically. In this review, the nutritional components, bioactive components and medicinal activities of the artificially cultivated CGS

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