

## 研究業績 英文表記

和文	
表題	未利用資源ヒシ外皮の機能性評価および利用技術の開発と実用化
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英文	
Title	Evaluation on Physiological Function of Unused Resources “Water Chestnut Husk” and Its Technological Development and Practical Application
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Abstract	<p>The hishi (water chestnut) is a unique annual floating leaf plant that grows wild in ponds, swamps, and creeks, with sharp spines on its fruits. Kanzaki-shi in Saga Prefecture, where Nishikyushu University is located, is known as a native habitat of water chestnut. We have focused on the water chestnut husk and found that they are rich in polyphenols and have high antioxidant properties. Furthermore, we clarified the structure of polyphenols contained in the water chestnut husk and investigated their functionality. The development of products utilizing the functionality will also be presented.</p>
keyword	water chestnut, polyphenols, Antioxidant properties, inhibition of elevated blood glucose levels, inhibitory activity of glycolytic enzymes

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