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Ageing of rice: A review

Aruva Saikrishna, Dutta Sayantani, Subramanian Vijayalakshmi, J.A. Moses, C. Anandharamakrishnan

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## ACCEPTED MANUSCRIPT

1	Ageing of rice: A review
2	Saikrishna Aruva, Sayantani Dutta, Vijayalakshmi Subramanian, Moses JA* and Anandharamakrishnan C
4 5 6	Computational Modeling and Nano Scale Processing Unit, Indian Institute of Food Processing Technology (IIFPT), Ministry of Food Processing Industries, Government of India, Pudukkottai Road, Thanjavur - 613005
7	
8	ABSTRACT
9	Ageing is an intricate phenomenon that starts pre-harvest and lasts until consumption; though
10	incompletely understood till date. During ageing, significant changes occur in the
11	physicochemical, sensory, cooking and pasting properties of rice. Most changes are time and
12	temperature dependent and their effects on grain quality are irreversible; mostly being beneficial.
13	Aged rice has better commercial value, owing particularly to improved milling yield, higher
14	consumer preferences in terms of cooked rice texture, flavor and associated parameters. Natural
15	ageing through conventional processes requires undesirably long storage duration, in addition to
16	associated higher operational and maintenance costs. Alternatively, artificial ageing of rice has
17	been investigated by researchers to achieve similar results in lesser time and lower cost. This
18	review discusses the changes that occur during ageing of rice, and the methods for artificial
19	ageing. The exposition attempts to highlight the comparative evaluation of various techniques
20	and their scopes. Important attributes to identify quality aged rice have also been included to
21	provide an in-depth idea about the topic.
22	Keywords: ageing of rice; accelerated ageing; physicochemical properties; sensory.
23	
24	* Corresponding author.
25 26	E-mail address: moses.ja@iifpt.edu.in (Moses JA)

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