

Accepted Manuscript

Plasma activated water (PAW): Chemistry, physico-chemical properties, applications in food and agriculture

Rohit Thirumdas, Anjinelyulu Kothakota, Uday Annapure, Kaliramesh Siliveru, Renald Blundell, Ruben Gatt, Vasilis P. Valdramidis



PII: S0924-2244(17)30587-3

DOI: [10.1016/j.tifs.2018.05.007](https://doi.org/10.1016/j.tifs.2018.05.007)

Reference: TIFS 2221

To appear in: *Trends in Food Science & Technology*

Received Date: 5 September 2017

Revised Date: 12 March 2018

Accepted Date: 2 May 2018

Please cite this article as: Thirumdas, R., Kothakota, A., Annapure, U., Siliveru, K., Blundell, R., Gatt, R., Valdramidis, V.P., Plasma activated water (PAW): Chemistry, physico-chemical properties, applications in food and agriculture, *Trends in Food Science & Technology* (2018), doi: 10.1016/j.tifs.2018.05.007.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 Plasma activated water (PAW): chemistry, physico-chemical properties, applications in food and
2 agriculture

3 Rohit Thirumdas¹, Anjinelyulu Kothakota², Uday Annapure^{3*}, Kaliramesh Siliveru⁴, Renald
4 Blundell^{5,6}, Ruben Gatt⁶, Vasilis P. Valdramidis^{7,8}

5 ¹*Department of Food Process Technology, College of Food Science & Technology, PJTSAU,*
6 *Hyderabad, India*

7 ²*Department of Food and Agricultural Process Engineering, Kelappaji College of Agricultural*
8 *Engineering and Technology, Thavanur 679573, India*

9 ³*Department of Food Engineering & Technology, Institute of Chemical Technology, Mumbai*
10 *400019, India*

11 ⁴*Department of Grain Science & Industry, Kansas State University, Manhattan, Kansas, USA*

12 ⁵*Department of Physiology and Biochemistry, Faculty of Medicine and Surgery, University of*
13 *Malta, Msida MSD 2080, Malta*

14 ⁶*Metamaterials Unit, Faculty of Sciences, University of Malta, Msida MSD 2080, Malta*

15 ⁷*Department of Food Studies and Environmental Health, Faculty of Health Sciences, University*
16 *of Malta, Msida MSD 2080, Malta*

17 ⁸*Centre of Molecular Medicine and Biobanking, University of Malta, Msida MSD 2080, Malta*

18

19 * Corresponding author

20 Email id: us.annapure@ictmumbai.edu.in

21 Phone no: +91-22-33612507.

Download English Version:

<https://daneshyari.com/en/article/8427987>

Download Persian Version:

<https://daneshyari.com/article/8427987>

[Daneshyari.com](https://daneshyari.com)