

**PUBLICATION IN THE YEAR 2023 (32 Research Papers)**

Title of paper	Name of the authors	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Effect of citric acid and sodium trimetaphosphate induced crosslinking on functional, rheological, structural, and thermal properties of buckwheat starch.	Kumar, Y., Singh, S., & Saxena, D. C.	Starch-Stärke, 2200267. <a href="https://doi.org/10.1002/star.202200267">https://doi.org/10.1002/star.202200267</a>	2023	00389056, 1521379X	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Guinea Grass Seed (Megathyrsus Maximus), A Potential Novel Starch Source: Impact of Isolation Methods on Functional, Morphological, Structural, Pasting, and Rheological Properties.	Bist, Y., Sharanagat, V. S., & Saxena, D. C.	Starch-Stärke, 2300003	2023	00389056, 1521379X	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Valorization of banana and kinnow waste in the development of nutritional bar using extrusion and plate-molding technique.	Fazil, C., Kumar, Y., Sharma, R., Srivastava, T., & Saxena, D. C.	Waste and Biomass Valorization, 1-17.	2023	1877-2641	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Principal component analysis for particle size-based classification of gorgon nut flour and their morphological, structural, thermal and pasting characteristics.	Sharma, R., Kotwaliwale, N., Jindal, N., & Saxena, D. C.	International Journal of Food Science & Technology, 58(6), 3144-3153	2023	09505423, 13652621	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Studies on rheological behavior of native and octenyl succinic anhydride modified buckwheat	Bist, Y., Kumar, Y., & Saxena, D. C.		2023		<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

(Fagopyrum esculentum) starch gel and improved flow properties thereof. Journal of Food Process Engineering, 46(1), e14193					
Green extraction of dietary fiber concentrate from pearl millet bran and evaluation of its microstructural and functional properties.	Ravinderjit Kaur, Parmjit S Panesar*, Charanjit S. Riar	Biomass Conversion and Biorefinery, <a href="https://doi.org/10.1007/s13399-023-04627-6">https://doi.org/10.1007/s13399-023-04627-6</a> (Impact Factor- 4.050)	2023	21906815, 21906823.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Evaluation of nutritional profile, phytochemical potential, functional properties and anti-nutritional studies of Citrus limetta peels.	Divyani Panwar, Parmjit S. Panesar*, & Harish K. Chopra	Journal of Food Science and Technology, 1-11. (Impact Factor- 3.117)	2023	00221155, 09758402.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
A review on the industrial wastewater with the efficient treatment techniques.	Anil Kumar, Avinash Thakur, & Parmjit S. Panesar	Chemical Papers. 1-33. <a href="https://doi.org/10.1007/s11696-023-02779-3">https://doi.org/10.1007/s11696-023-02779-3</a> (Impact Factor- 2.146)	2023	03666352, 13369075	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Ultrasound-assisted extraction of pectin from Citrus limetta peels: Optimization, characterization, and its comparison with commercial pectin	Divyani Panwar, Parmjit S. Panesar*, & Harish K. Chopra	Food Bioscience, 51, 102231. (Impact Factor- 5.314) <a href="https://doi.org/10.1016/j.fbio.2022.102">https://doi.org/10.1016/j.fbio.2022.102</a>	2023	22124306, 22124292	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Sequential Extraction of Functional Compounds from Citrus reticulata Pomace Using Ultrasonication Technique.	Samandeep Kaur, Parmjit S. Panesar*, & Harish K. Chopra	Food Chemistry Advances, 2, 100155. <a href="https://doi.org/10.1016/j.focha.2022.100155">https://doi.org/10.1016/j.focha.2022.100155</a> .	2023	2772-753X	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

Modeling and optimization of ultrasound-assisted extraction of bioactive compounds from <i>Allium sativum</i> leaves using Re-sponse Surface Methodology and Artificial Neural Network coupled with Genetic Algorithm.	Shekhar S, Prakash P, Singha P, Prasad K, Singh SK	Foods 12:1925 DOI: <a href="https://doi.org/10.3390/foods12091925">https://doi.org/10.3390/foods12091925</a> . (IF: 5.561)	2023	2304-8158)	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Non-Destructive Evaluation of Moisture Content for Spinach Leaf Powder Using Complex Impedance Spectroscopy.	Shekhar S, Prasad K	Journal of the ASABE 66:415-421 DOI: <a href="https://doi.org/10.13031/ja.14873">https://doi.org/10.13031/ja.14873</a> . (IF: 1.390)	2023	27693287, 27693295	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Comparative elucidation of garlic peeling methods and positioning of quality characteristics using principal component analysis.	Prakash P, Prasad K	Acta Scientiarum Polonorum Technologia Alimentaria 22:119-131 DOI: <a href="http://dx.doi.org/10.17306/J.AFS.2023.1114">http://dx.doi.org/10.17306/J.AFS.2023.1114</a> . (IF: 0.319)	2023	1644-0730	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Wheat Bran as Potential Source of Dietary Fiber: Prospects and Challenges.	Saini, P., Islam, M., Das, R., Shekhar, S., Sinha, A. S. K., & Prasad, K.	Journal of Food Composition and Analysis, 116, 105030. (IF: 4.3)	2023	0889-1575	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
) Effect of Acid Pretreatment on Physico-Chemical, Optical, Functional, Thermal, and Morphological Characteristics of Unripe Plantain and Banana Flour.	Gadhane, R. K., Kaur, R., Prasad, K.	Journal of Food Chemistry & Nanotechnology 9:27-35.	2023	24714291.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

Rice Straw as a Source of Nanocellulose Fibers for the Sustainable	Islam, M., Saini, P., Das, R., Shekhar, S., Sinha, A. S. K., & Prasad, K.	Food Packaging Materials: A Review. BioResources. 18 (1), 2351-2385. (IF: 1.747).	2023	1930-2126	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
A review on Api-products: current scenario of potential contaminants and their food safety concerns.	Anamika Sharma, Kirty Pant, Dilpreet Singh Brar, Avinash Thakur, & Vikas Nanda (	Food Control, Volume 145, <a href="https://doi.org/10.1016/j.foodcont.2022.109499">https://doi.org/10.1016/j.foodcont.2022.109499</a> .	2023	0956-7135	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
A comprehensive review on unethical honey: Validation by emerging techniques.	Dilpreet Singh Brar, Kirty Pant, Reshma Krishnan, Sawinder Kaur, Prasad Rasane, Vikas Nanda, Sudhanshu Saxena, Satyendra Gautam	Food Control, Volume 145, 109482. <a href="https://doi.org/10.1016/j.foodcont.2022.109482">https://doi.org/10.1016/j.foodcont.2022.109482</a> .	2023	0956-7135	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Comprehensive Analysis of Physicochemical, Functional, Thermal, and Morphological	Sanyukta, Dilpreet Singh Brar, Kirty Pant,	ACS Omega., <a href="https://doi.org/10.1021/acsomega.3c03429">https://doi.org/10.1021/acsomega.3c03429</a> .	2023	24701343	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

Properties of Microgreens from Different Botanical Sources,	Sawinder Kaur, Vikas Nanda, Gulzar Ahmad Nayik, Seema Ramniwas, Prasad Rasane, and Sezai Ercisli				
Anti-cancerous effect of corn silk: a critical review on its mechanism of action and safety evaluation.	Amisha Gulati, Jyoti Singh, Prasad Rasane, Sawinder Kaur, Jaspreet Kaur, Vikas Nanda	Biotech, 13(7), 1-15. DOI: 10.1007/s13205-023-03673-1.	2023	2673-6284	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Chemical and functional characteristics to detect sugar syrup adulteration in honey from different botanical origins.	Dilpreet Singh Brar, Gulzar Ahmad Nayik, Ashwani Kumar Aggarwal, Sawinder Kaur, Vikas Nanda, Sudhanshu Saxena,	International Journal of Food Properties, Volume 26 - Issue 1. <a href="https://doi.org/10.1080/10942912.2023.2218066">https://doi.org/10.1080/10942912.2023.2218066</a> .	2023	15322386, 10942912	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

	Satyendra Gautam, Seema Ramniwas &Teferi Damto Tolcha				
Effect of film forming solution pH on antibacterial, antioxidant and structural characteristics of edible films from modified quinoa protein,	Nisar A Mir, Charanjit S Riar, Sukhcham Singh	Food Hydrocolloids, 135, 108190	2023	0268-005X.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Difference in the nutritional, in vitro, and functional characteristics of protein and fat isolates of two Indian Chia ( <i>Salvia hispanica</i> L) seed genotypes with variation in seed coat color	Amanda Manoj Malik, Charanjit S Riar,	Journal Of Food Science, 87 (9), 3872-3887	2023	00221147, 17503841.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
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High-intensity ultrasound (HIUS) treatment of sunnhemp ( <i>Crotalaria juncea</i> L.) protein isolate: Modification of functional, structural and microstructural properties.	Rashmi Rawat and Charanjiv Singh Saini.	Food and Bioprocess Technology, <a href="https://doi.org/10.1007/s11947-023-03011-6">https://doi.org/10.1007/s11947-023-03011-6</a> .	2023	19355149, 19355130	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Synergistic effect of combined treatments in the reduction of antinutritional factors in underutilized sunnhemp ( <i>Crotalaria juncea</i> L.) legume: effect on structural, morphological, thermal and pasting characteristics of sunnhemp flour.	Rashmi Rawat and Charanjiv Singh Saini.	Journal of Food Measurement and Characterization, <a href="https://doi.org/10.1007/s11694-023-01940-6">https://doi.org/10.1007/s11694-023-01940-6</a> .	2023	21934134, 21934126	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Harnessing plum ( <i>Prunus domestica</i> L.) processing wastes for the fabrication of bio-composite films: An attempt towards a food circular bioeconomy,	Mohd Aaqib Sheikh, Charanjiv Singh Saini and Harish Kumar Sharma.	Food Hydrocolloids, 142,108790, 1-12.	2023	0268-005X.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
Investigating the effect the supercritical carbon dioxide treatment on the rheological, thermal and functional properties of	Mohd Aaqib Sheikh, Charanjiv Singh Saini and Harish	Foods, 12, 815, 1-17.	2023	2304-8158	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>

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High-intensity ultrasound treatment: An effective way of modifying thermal and rheological properties of sunnhemp ( <i>Crotalaria juncea</i> ) protein isolate (SHPI) by varying ultrasound amplitude and time.	Rashmi Rawat and Charanjiv Singh Saini.	Journal of Food Process Engineering, doi:10.1111/jfpe.14290, 1-11.	2023.	01458876, 17454530.	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>
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Structural modification of plum ( <i>Prunus domestica</i> L) kernel protein isolate by supercritical carbon-dioxide treatment: Functional properties and in-vitro protein digestibility.	Mohd Aaqib Sheikh, Charanjiv Singh Saini, and Harish Kumar Sharma.	International Journal of Biological Macromolecules, 230, 123128, 1-10	2023	01418130	<a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList">https://ugccare.unipune.ac.in/Apps1/User/WebA/CAREList</a>