Hindustan Institue of Technology and Science, School o			
Department of Food Technolc			
S.No	Pub. Year	Author	Title
1	2025	Raj, S., **Jaddu, S.,** Sahoo, S., Pradhan, R. C.	Enhancing the Quality of Pomegranate Pomace Powder: Impact of Multipin Atmospheric Non-Thermal Plasma on Physical, Bioactive and Anti-nutritional Properties.
2	2025	**Jaddu, S.,** Sonkar, S., Dwivedi, M., Pradhan, R. C.	Assessing Functional Changes: A Comparative Study of the Effects of Plasma Activated Water (PAW) and Direct Cold Plasma Treatment on Little and Kodo Millet Flours
3	2025	Garimella, J. N., Pradhan, R. C., **Jaddu, S.**	Effect of non–thermal plasma on physiochemical properties, antioxidant activities, morphological and crystalline structures of red dragon fruit (*Hylocereus polyrhizus*) juice during storage.
4	2025	Bansode, V., Panda, T. C., **Jaddu**, **S.,** Sahoo, S., Subramanyam, K., Vignesh, V., Thota, N., Pradhan, R. C., Dwivedi, M.	Enhancing Nutritional Potential: Plasma Activated Water Treatment on Sweet Orange (variety Mosambi) Peel Powder Polyphenols, Falvonoids, Antioxidants and Anti-Nutrients Optimization
5	2024	Bansode, V., **Jaddu, S.,** Panda, T. C., Dalbhagat, C. G., Seth, D., Roy, S. S., Gosh, D., Pradhan, R.C., Dwivedi, M.	Hurdle approach of Plasma-Activated Water pretreatment with debittering treatment on naringin and limonin content of Sweet Orange Peel Powder
6	2024	**Jaddu, S.,** Dwivedi, M., Pradhan, R. C.	Effect of Cold Plasma on various Rheological characteristics of Little Millet flour.
7	2024	**Jaddu, S.,** Sahoo, S., Sonkar, S., Alzahrani, K., Dwivedi, M., Misra, N.N., Pradhan, R. C.	Cold plasma treatment of little millet flour: impact on bioactives, antinutritional factors and functional properties
8	2024	**Jaddu, S.,** Sonkar, S., Seth, D., Dwivedi, M., Pradhan R.C., Goksen, G., Sarangi, P. K., Jambrak, A. R.	Cold Plasma: Unveiling Its Impact on Hydration, Rheology, Nutritional, and Anti-nutritional Properties in Food Materials – An Overview

9	2024	Subrahmanyam, K., Gul, K., Paridala, S., Sehrawat, R., More, K.S., Dwivedi, M., **Jaddu, S.**	Effect of cold plasma pretreatment on drying kinetics and quality attributes of apple slices in Refractance window drying
10	2024	**Jaddu, S.,** Abdullah, S., Sonkar, S., Dwivedi, M., Pradhan, R.C.	Effect of multi-pin (open air) atmospheric plasma on the rheological characteristics of Locust bean gum
11	2023	Sonkar, S., **Jaddu, S.,** Dwivedi, M., Pradhan, R. C	Impact of multi pin atmospheric cold plasma on dynamic rheological characteristics of kodo millet starch
12	2023	**Jaddu, S.,** Sharma, A., Bitra., V.S.P.	Effect of emulsifiers on quality parameters of Coconut (*Cocos nucifera L* .) milk concentrate
13	2023	Panda, T. C., **Jaddu, S.,** Juvvi, P., Bansode, V., Seth, D., Dwivedi, M., Pradhan, R.C.	An overview of different peelers, pulpers, and juicers for fruits and vegetables: Research, development, and recommendations
14	2023	Sonkar, S., **Jaddu, S.,** Pradhan, R. C., Dwivedi, M., Seth, D., Goksen, G., Sarangi, P. K., Lorenzo, J. M.	Effect of atmospheric cold plasma (pin type) on Kodo-millet starch structure
15	2023	Bansode, V., Dwivedi, M., Pradhan, R. C., Panda, T. C., **Jaddu**, **S.,** Subramanyam, K., Sahoo, S.	Impact of plasma activated water (PAW) on polyphenols, anti-oxidant properties, anti-nutrients of sweet orage (*Citrus sinensis*) peel powder
16	2023	Bansode, V., Dwivedi, M., Pradhan, R. C., Panda, T. C., Niranjan, T., **Jaddu, S.,** Tomar, M. S.	Investigation of Physicochemical, Mechanical, Thermal and Rheological Properties of Mrigbahar Nagpur Mandarin (*Citrus reticulate Blanco.*).
17	2023	**Jaddu, S.,** Abdullah, S., Dwivedi, M., Pradhan, R. C.	Optimization of functional properties of plasma treated kodo millet (open air multipin) using response surface methodology (RSM) and artificial neural network with genetic algorithm (ANN-GA)
18	2023	**Jaddu, S.,** Abdullah, S.,	Multipin cold plasma electric discharge on
19	2022	**Jaddu, S.,** Pradhan, R. C.,	Effect of multipin atmospheric cold plasma discharge on functional properties of little

Books

S.No	Pub. Year	Author	Title
1	2025	**Jaddu, S.,** Pradhan, R. C.	Innovative Millet Processing: Harnessing Novel Technologies for Nutritional Excellence

2	2023	**Jaddu, S.,** Sarangam, S.,	Nutshell of Food Technology and Engineering

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Journal Name	Vol. No,	Issure No.	Page No	Impact Factor
Journal of Food Process Engineering	48		e70175	2.9
Journal of Food Process Engineering	48		e70116	2.9
Journal of Food Measurement and Characterization	19		4368-4384	3.3
IEEE Transactions on Plasma Science	53	1	51-62	1.5
Food Bioscience	60		104431	5.9
Journal of Food Measurement and Characterization	18		5622–5628	3.3
Plant Foods for Human Nutrition	79		503-510	3.6
Food Chemistry X	22		101266	8.2

Innovative Food Science & Emerging Technologies	92		103594	6.8
Journal of Food Process Engineering	47	2	e14540	2.9
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Indian Journal of Nutri	60	2	273-285	
The Pharma Innovation	12	9	502-512	
LWT	182		114889	6.6
Biomass Conversion and Biorefinery	14		21375–21382	4.1
Journal of Scientific & Industrial Research	82		370-377	0.8
Journal of Food Process Engineering	46	10	e14207	2.9
Food Chemistry: Innovative Food Science & Emerging	5 77		100132 102957	4.7 6.8

Publishers	Status
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