

FACULTY PROFILE

Dr. PRAMOD S. N.

Professor

Department of Studies in Food Technology

Qualification : MSc., PhD (Biochemistry), PostDoc (USA)

Areas of Specialization : Food Biochemistry, Food Allergy and Immunology

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Vision

- To develop and enhance conservation of optimum academic environment to prepare professional graduates in the field of Food Biochemistry and Food Technology.
- To promote science through our students and change scientific environment to understand life at the molecular level and to focus on research ventures that translates basic research to societal applications.
- To foster and acquire excellence in teaching, research, and learning with a strong base of technical knowledge and the complementary skills needed to be successful professional scientist in the modern world.

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD	Biochemistry	University of Mysore Guide: Dr. Y. P venkatesh, Scientist, Department of Biochemistry and Nutrition, CFTRI, Mysore	2009
3	NET	Life Sciences	UGC-CSIR Exam, Govt of India	2002
4	PG	Biochemistry	Manasaganagothri, University of Mysore	2001
5	UG	Biochemistry, Botany, Microbiology	Yuvaraja's College, University of Mysore	1999

Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Project assistant/ Research trainee	Department of Biochemistry and Nutrition, Central Food technological Research Institute (CFTRI), Mysore	PG	Aug 2001	June 2004

2	CSIR- Senior Research Fellow	Department of Biochemistry and Nutrition, Central Food Technological Research Institute (CFTRI), Mysore	PG	Jul 2004	May 2007
3	Post-Doctoral Research associate	Department of Food Science and Technology, Inst. Agric. Nat. Res. University of Nebraska, Lincoln NE USA	PG	May 2007	Apr 2010
4	Visiting Research associate	Department of Allergology, Paul Ehrlich Institute, Frankfurt, Germany	PG	Dec 2009	Jan 2010
5	Assistant Professor	Department of Biochemistry, Sahyadri Science College, Kuvempu University, Shimoga	UG	Jan 2010	Oct 2014
6	Raman postdoctoral fellow	Department of Food Science and Technology, Inst. Agric. Nat. Res. University of Nebraska, Lincoln NE USA	PG	Dec 2014	Dec 2015
7	International Visiting Faculty	Department of Food Science and Engineering, Ocean University of China, Qingdao, China.	PG	Jan 2019	Apr 2019
8	Senior Assistant professor and chairman	Department of Biochemistry, Sahyadri Science College, Kuvempu University, Shimoga	UG	Dec 2015	Aug 2019
9	International Visiting Faculty	Department of Food Science and Engineering, Ocean University of China, Qingdao, China.	PG	Jun 2019	July 2019
10	Associate professor	Department of Biochemistry Shivagangotri, Davangere University	PG	Aug 2019	Aug 2021
11	Associate professor and Chairman	Department of Food Technology, Shivagangotri, Davangere University	PG	Aug 2021	Jan 2023
12	Director,	University Science Instrumentation Centre (USIC), Davangere University	PG	Aug 2021	Dec 2022
13	International Visiting Faculty	Department of Food Science and Engineering, Ocean University of China, Qingdao, China.	PG	Sep 2023	Sep 2023
14	Professor	Department of Food Technology, Shivagangotri, Davangere University	PG	Jan 2023	Till date
15	Corordiantor	Department of Environmental Science, Shivagangotri, Davangere University	PG	Feb 2024	July 2026

16	Nodal Officer	Office of International cell, Davangere University	PG/PhD	June 2024	Till date
17	International visiting Delegate	Leadership development programme and delegation to UK universities organized by Karnatka State Higher Education Council and British Council	PG/PhD	Sep 2025	Sep 2025

Areas of Research Interest:

1. Food Biochemistry
2. Food Allergy and Immunology
3. Immunomodulation and Inflammation Biology
4. Functional and therapeutic Foods
5. Food Based Herbal drug formulations

Academic/Administrative responsibilities:

1.	Board of Studies (BOS) and Doctoral committee Chairman, Department of Environmental Science, Davangere University, Shivagangotri, Davangere-577007, Karanataka from Jan Dec 2025 to Nov 2028.
2.	Board of Studies (BOS) and Doctoral committee Chairman, Department of Food Technology, Davangere University, Shivagangotri, Davangere-577007, Karanataka from Jan Dec 2025 to 2028.
3.	Board of Examination (BOE) Chairman, Department of Food Technology, Davangere University, Shivagangotri, Davangere-577007, Karnatka from Sep 2025 to Aug 2026.
4.	Coordinator, PG valuation, Davangere University, Shivagangotri, Davangere -577007. From Dec 2024 to Nov 2025.
5.	Nodal Officer, International cell, Davangere university, Shivagangotri, Davangere-577007from Nov 2024 to till date.
6.	BOE Chairman for Environmental science (UG and PG), Davangere university, Shivagangotri, Davangere from Sep 2024 to Aug 2025.
7.	Co-ordinator, Department of Studies in Environmental science (Additional Charge), Davangere University, Shivagangotri, Davangere from Jan 2024 to till date.
8.	Co-ordinator, University Science Instrumentation Centre (USIC), Davangere University, Shivagangotri, Davangere, from Dec 2022 to till date.
9.	Chairman, Department of Food Technology, Davangere University, Shivagangotri, Davangere, Aug 2021- Aug 2023
10.	Director, University Science Instrumentation centre (USIC), Davangere University, Shivagangotri, Davangere, From Aug 2021 to Dec 2022.
11.	BOS member, Department of Studies in Food Technology, Davangere University, Shivagangotri, Davangere, 2020 –till date.
12.	BOE member, Doctoral Committee member of Department of Studies in Food Technology, Davangere University, Shivagangotri, Davangere from 2019 to till date.
13.	IQAC executive council member of Davangere University, Shivagangotri, Davangere.

14.	Doctoral Advisory board member, Department of Biochemistry, Faculty of Life sciences, JSS Academy of higher education and Research, Mysore.
15.	BOS Chairman at Sahyadri science College (autonomous), Kuvempu university for UG Biochemistry since 2014 to 2019. BOE Chairman at Kuvempu university and Sahyadri Science College UG Biochemistry since 2016. BOE Chairman Sahyadri science College (aut), Kuvempu university, Shimoga,
16.	Coordinator, Biochemistry practical examinations, Sahyadri Science College, Kuvempu University, Shimoga. Member, College admission council. Sahyadri science college, Kuvempu University, Shimoga
17.	Reviewer Pharmacog Res, Int Immunopharmacol, Food chemistry, Clin Exp immunol, J Agric Food Chemistry and J Food Sci Technol Journals from 2015
18.	Worked as Head of the department of Biochemistry at Sahyadri Science College, Kuvempu University from 2016 to 2019.
19.	Worked as NET/SLET coordinator at 2013-14 to organize coaching classes for PG students. Co-ordinator, Student collaborative research, CPE grant, Sahyadri Science College, Kuvempu University, Shimoga.
20.	Worked as college website coordinator from 2015-16 and RUSA coordinator at 2018-19 at Sahyadri Science College, Kuvempu University, Shimoga.
21.	UGC coordinator 2016-18 at Sahyadri science College, Kuvempu University
22.	Teacher in charge of Biochemistry, Member, College cultural committees, discipline committee, and other college administrative bodies.

Research Projects:

Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	Public health data analytics and AI driven health care solutions	Global Wales Karnataka partnership project	9,000 £	Jan 2026 to Dec 2026	Ongoing
2.	Development of an in vitro cell based Bioassay to differentiate biological relevance of IgE binding to food proteins for allergy diagnosis and risk assessment	VGST-CISEE	30,00,000/-	August 2022 to July 2025	Completed
3.	Differentiating biological relevance of IgE binding to Cross-Reactive carbohydrate Determinants (CCD) on transgenic proteins from GMOs and endogenous proteins for diagnostic and food allergic safety	UGC Raman Research Project	22,87,952/-	Dec 2014 to Dec 2015	Completed
4.	Studies on the Biochemical and immunological roles of selected dietary legume lectins in food induced inflammatory diseases	UGC major research project (MRP)	14,35,300/-	UGC major research project (MRP)	Completed

5.	Differentiating biologically relevant from irrelevant IgE binding to food antigens for improved risk assessment and diagnostic studies using a humanized rat basophil cell line (RBL 30/25)	U. S. Environmental Protection Agency (EPA), USA	372,982 \$	Jan 2008 to Oct 2010	Completed
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Research Publications:

a) International Journals (Referred and SCI Journals with impact factor)

1.	Protective effects of garlic derived lectin on carbon tetrachloride induced hepatotoxicity in male wistar rats: Impacts on gross pathology and histopathology. Alamani Sachin, Girish BC, Shilpa VT, Ravikumar C, Hemathgowda K, Shankaregowda AJ and Pramod SN. International Journal of Advanced Biochemistry Research. Jan 2026; 10(1): 518-525. DOI: https://www.doi.org/10.33545/26174693.2026.v10.i1g.7007 IF 0.50 .
2.	Evaluation of the nephroprotective and antioxidant efficacy of spirulina extract fortified with moringa leaves and finger millet in arsenic treated wistar rats Golla Harsha, Shilpa VT, Girish BC, Anjan kumar KR, Ramesh D, Rajashailesha NM, Pramod SN Ramya DH. International Journal of Advanced Biochemistry Research. Dec 2025; 9(12): 741-749. DOI: https://www.doi.org/10.33545/26174693.2025.v9.i12j.6618 IF 0.50
3.	Protective effects of garlic derived lectin on carbon tetrachloride induced hepatotoxicity in male wistar rats: Impacts on organ weight, hematological and biochemical parameters Alamani Sathish, Girish BC, Shilpa VT, Ravikumar C, Pramod SN. International Journal of Advanced Biochemistry Research. Dec 2025; 9(12): 350-356. DOI: https://www.doi.org/10.33545/26174693.2025.v9.i12e.6508 , IF 0.50 .
4.	Allium Sativum lectin as an immunotherapeutic agent: eliciting IFN- γ production via "M1" macrophage polarization to trigger JAK1/STAT1 and DDR mediated lung cancer cell death. Kiran BK, Siddesh BM, Ankith Sherapur, Prabhu Tirasangu, Vijay Avin BR, Vigneshwaran V, Kumarswamy HM, Suchetha kumara N, Pramod SN , Prabhkar BT. International J Biological macromolecules.2025 330; 148076. IF 8.5
5.	Diacetyl induced suspended animation and chemotaxis response to volatile chemicals: A comparative study in different strains of Caenorhabditis elegans. Shruthinagaral, K. Shruthi Nagaral, Siddanakoppalu N. Pramod, B. Kisan, Ramakrishna D., Shaheen Jafri Ali, Akash Suman, Niranjana Pathappa, Rajeshwara N. Achur and Ayyangouda Patil Plant archives 2025 Vol 25 (supl 2): 1068-1076. https://doi.org/10.51470/PLANTARCHIVES.2025.v25.supplement-2.132 IF 0.123
6.	Neuroprotective potential of Moringa oleifera and Uvaria narum leaf extracts on Glyphosate-induced dopamine neuron degeneration in Caenorhabditis elegans. Shruthi nagaral, Pramod SN , Kisan B, Sachin S, Patil, Niranjana P, Rajeshwara AN, Patil A. Plant Archives 2025 July 25 (2): 1-10. IF 0.123
7.	Haematological and Biochemical evaluation of Microalgal spirulina extract fortified with finger millet and Moringa leaves on cyclophosphamide induced bone marrow suppression and mutagenicity in Wistar rats.

	Gowthami L, Girish BC, Pramod SN, Ravikumar C, Hemanthgowda K, Krishnamurthy P, Veena M, Shilpa VT. International Journal of Advanced Biochemistry Research. 2025; SP 9(5): 261-265. DOI: https://www.doi.org/10.33545/26174693.2025.v9.i5Sd.4400 IF 0.50.
8.	Ameliorative effects of Microalgal spirulina protein fortified with leaf powder of Moringa and finger millet on glucocorticoid induced osteoporosis in rats. Vijaykumar, Shilpa VT, Girish BC, Manjunath reddy GB, Satheesha SP, Rajashailesha NM, Anjankumar KR, Ravikumar P, Pramod SN Indian J Vet Pathol. 2025; 49 (1): 56-63. DOI: https://doi.org/10.5958/px9q4t80 IF 0.35
9.	Plant based dietary lectins: promise for future immunotherapeutics. Padiyappa SD, Avalappa H, Pramod SN , Prabhakar BT, Li Z, Venkatesh YP. Food Reviews International 2025; 1-20. https://doi.org/10.1080/87559129.2025.2479564 . IF 5.2
10.	An N-acetyl glucosamine specific latex lectin induced larvicidal defence against melonfly infestation in selected cucurbitaceous fruits. Madhusudhan YS, Rajeshwar AN, Raghavendra S. Pramod SN Hexapoda -Insect Indica 2025;32(1): 1-11. https://doi.org/10.55446/hexa.2025.109 IF 2.2
11.	Bioinspired synthesis of calcium magnesium aluminate nanoparticles using alovera extract: A promising material for electrochemical sensor, antibacterial and environmental remediation applications. Harini HV, Nagaswarupa HP, Ramachandra Naik, Guddi Likmaram L, Sukrutha SK, Pramod SN, Ramakrishna Pothu, Mika Sillanpaa, Rajender Boddula, Ahmed Bahgal Radwan, Noora Al-Qahtani. Inorganic Chemistry Communications 2024 Dec 1; 170: 113186. IF 5.32
12.	Development of an indirect competitive ELISA based on the common epitope of fish parvalbumin for its detection. Huang Y, Zhu W, Wu Y, Sun L, Li Q, Pramod SN , Wang H, Zhang Z, Lin H, Li Z. Food Chem. 2024 Oct 15;455:139882. doi: 10.1016/j.foodchem.2024.139882.. IF : 9.231
13.	Hypoxia Induced Suspended Animation And Recovery In Caenorhabditis Elegance. Nagaral KS, Pramod SN , Kisan B, Rajashekhar M, Achur R. International Neurourology Journal. 2024;28(1):707-16. IF: 2.3
14.	Legume Indian bean (<i>Phaseolous vulgaris</i>) partially purified anti-nutritional protein factor exhibit antioxidant, immunomodulatory and anticancer properties. Hemavathi A, Shruthishree DP, Niranjana P, Prabhakar BT, Pramod SN . International Journal of Pharmacy and Pharmaceutical Sciences. 2023; 15 (2): 8-17. IF: 1.59
15.	Comparison and analysis of IgE and blood histamine levels: its correlation during allergic sensitization in atopic and non-atopic population Hemavathi A, Shruthishree DP, Niranjana P, Nagaraja Parisara, Prabhakar BT, Pramod SN . Indian J Applied and Pure Biology. 2023; 38(1): 233-244. IF: 0.12
16.	Medicinal and Nutritional aspects of wild edible fruits from Western Ghat of India Deepdarshan Urs, Narayanappa M, Sophiya P, Krishnaram H, Pramod SN , Dharmappa KK. International Journal of Green Chemistry. 2023; 16(4); 334-354. IF: 0.128
17.	Comparative analysis of allergenicity and predicted linear epitopes in α and β parvalbumin from turbot (<i>Scophthalmus maximus</i>) Huang Y, Li Z, Wu Y, Li Y, Pramod SN , Chen G, Zhu W, Zhang Z, Wang H. Journal of the Science of Food and Agriculture. 2023; doi: 10.1002/jsfa.12432 IF: 3.639
18.	Characterization and biochemical activities of novel functional antimicrobial peptide (AMP) from <i>Trichogramma chilonis</i> Sunil SV, Santhosh Kumar HS, Pramod SN , Prabhakar BT, Mahantesh Naik BN, Tippeswamy TG, Niranjana P. Biomedicine 2022; 42(5): 887-897. IF 0.11
19.	Hemavathi A, Shruthishree DP, Niranjana P, Nagaraj Parisara, Prabhakar BT, Pramod SN . Immunoglobulin E specific to carbohydrate determinants and its relevance in legume allergic cross reactivity. Asian J Immunology 2022; 6(1): 71-85. IF: 0.53

20.	Characterization of antioxidant, anti-cancer and immunomodulatory functions of partially purified (<i>Allium sativum</i> L) lectin. Shruthishree DP, Hemavathi A, Venkatesh YP, Parisara N, Prabhakar BT, Pramod SN . Biomedicine 2022; 42(4): 703-712 IF: 0.11
21.	Effect of Biofunctional Green Synthesized MgO-Nanoparticles on Oxidative-Stress-Induced Tissue Damage and Thrombosis MM Venkatappa, C Udagani, SM Hanumegowda, SN Pramod , Devaraj, S Molecules 2022; 27 (16), 5162 IF: 4.927
22.	Sinapic acid Inhibits Group IIA Secretory Phospholipase A2 and Its Inflammatory Response in Mice. AS Giresha, D Urs, S Pundalik, RS Meti, SN Pramod , BH Supreetha, Dharmappa KK. Antioxidants 2022; 11 (7), 1251. IF: 7.675
23.	Immunoadjuvant and humoral immune response of garlic (<i>allium sativum</i> L.) lectins upon systemic and mucosal administration in BALB/c mice. Padiyappa, SD, Avalappa, H, Somegowda, M, Sridhara, S, Venkatesh, YP, Prabhakar, BT, Pramod, S.N , Almujaaydil MS, Shokralla, S, Abdelbacki, AMM, Elansary HO, EI-Sabroun AM, Mahmoud EA. Molecules 2022, 27,1375. https://doi.org/10.3390/molecules27041375 IF: 4.927
24.	In silico characterization of a transcript code based screening of antimicrobial peptides from <i>Trichogramma chilonis</i> . Sunil SV, Kerima OZ, Santhosh kumar HS, Prabhakar BT, Pramod SN , Niranjana P. Int J Peptide Res Therp. 2021 Sep 27 (2): 1-12 doi.org/10.1007/s10989-021-10295-9 . IF 2.191
25.	Defensive mechanisms in Cucurbits against Melon Fly (<i>Bactrocera cucurbitae</i>) infestation through excessive production of Defensive enzymes and antioxidants. Somegowda M, Raghavendra S, Sridhar S, Rajeshwara AN, Pramod SN , Shivashankar S, Lin F, EI-Abedin TKZ, Wani SH, Elansary HO. Molecules 2021; 26: 6345. doi.org/10.3390/molecules26216345 . IF: 4.927
26.	Process Optimization for Preparation of Hyaluronidase Inhibitory Hydrolysates with Anti-allergic Potential from <i>Salmo salar</i> Processing By-products K Wang, SN Pramod, H Lin, G Chen, Z Li ACS Food Science & Technology 2021; 1(7): 1262-1273. doi.org/10.1021/acsfoodscitech.1c00152 . IF: 1.718
27.	A comprehensive review on the application of novel disruption techniques for proteins release from microalgae. Timira V, Meki K, Li Z, Lin H, Xu M, Pramod SN . Crit Rev Food Sci Nutr. 2021 Jan 22;1-17. doi: 10.1080/10408398.2021.1873734 . IF: 11.208
28.	A review on food processing and preparation methods for altering fish allergenicity. Dasanayaka BP, Li Z, Pramod SN , Chen Y, Khan MU, Lin H. Crit Rev Food Sci Nutr 2020 Dec 1; 1-20. doi: 10.1080/10408398.2020.1848791 IF: 11.208
29.	Purification and identification of anti-allergic peptide from Atlantic Salmon (<i>Salmo salar</i>) byproduct enzymatic hydrolysates. K Wang, Pramod SN , I Ahmed, TR Pavase, H Lin, Z Li. Journal of Functional Foods. 2020 72, 104084. doi.org/10.1016/j.jff.2020.104084 IF: 5.223
30.	Analysis of the allergenicity and B cell epitopes in tropomyosin of shrimp (<i>Litopenaeus vannamei</i>) and correlation to cross-reactivity based on epitopes with fish (<i>Larimichthys crocea</i>) and clam (<i>Ruditapes philippinarum</i>). Xu LL, Chen J, Sun LR, Gao X, Lin H, Ahmed I, Pramod SN , Li ZX. Food Chemistry. 2020 Apr 7;323:126763 doi: 10.1016/j.foodchem.2020.126763 PMID:32334299 IF: 9.231
31.	Influence of nonthermal extraction technique and allergenicity characteristics of tropomyosin from fish (<i>Larimichthys crocea</i>) in comparison with shrimp (<i>Litopenaeus vannamei</i>) and clam (<i>Ruditapes philippinarum</i>)

	Xu LL, Lin H, Li ZX, Ahmed I, Pramod SN , Lin H, Lv LT, Tian SL, Yu ZW. Food Chem. 2020 Mar 30;309:125575. doi: 10.1016/j.foodchem.2019.125575 PMID:31685369 IF 9.231
32.	Lipid emulsion enhances fish allergen parvalbumin's resistance to in vitro digestion and IgG/IgE binding capacity. Luo C, Guo Y, Li Z, Ahmed I, Pramod SN , Gao X, Lv L, Lin H. Food Chem. 2020 Jan 1;302:125333. doi: 10.1016/j.foodchem.2019.125333. Epub 2019 Aug 7. PMID:31416005 IF 9.231
33.	Development of ELISA Method for Detecting Crustacean Major Allergen Tropomyosin in Processed Food Samples Z Yu, Y Wang, Z Li, SN Pramod , L Zhang, H Lin Food Analytical Methods, 2019:1-11. doi.org/10.1007/s12161-019-01627-z IF: 3.498
34.	Quantum-Dot-Based Lateral Flow Immunoassay for the Rapid Detection of Crustacean Major Allergen Tropomyosin. Yaqing Wang; Hong Lin; Pramod SN ; Guanzhi Chen; Zhiwen Yu Food control 2019;106:106714 doi.org/10.1016/j.foodcont.2019.106714 IF: 5.548
35.	An overview on marine anti-allergic active substances for alleviating food-induced allergy. Wang K, Pramod SN , Pavase TR, Ahmed I, Lin H, Liu L, Tian S, Lin H, Li Z. Crit Rev Food Sci Nutr. 2019 Aug 23;1-15. doi: 10.1080/10408398.2019.1650716. [Epub ahead of print] PMID:31441662 IF: 11.208
36.	Banana lectin (BanLec) induces non-specific activation of basophils and mast cells in atopic subjects. Krithika N, Pramod SN , Mahesh PA, Venkatesh YP. Eur Ann Allergy Clin Immunol. 2018 Nov;50(6):243-253. doi: 10.23822/EurAnnACI.1764-1489.64. Epub 2018 Jul 24. PMID:30039691 IF: 1.66
37.	Neutralization of Inflammation by Inhibiting <i>In vitro</i> and <i>In vivo</i> Secretory Phospholipase A ₂ by Ethanol Extract of <i>Boerhaavia diffusa</i> L. Giresha AS, Pramod SN , Sathisha AD, Dharmappa KK. Pharmacognosy Res. 2017 Apr-Jun;9(2):174-181. doi: 10.4103/0974-8490.204650. PMID:28539742 IF: 1.95
38.	Immunomodulatory glc/man-directed Dolichos lablab lectin (DLL) evokes anti-tumour response in vivo by counteracting angiogenic gene expressions. Vigneshwaran V, Thirusangu P, Vijay Avin BR, Krishna V, Pramod SN , Prabhakar BT. Clin Exp Immunol. 2017 Jul;189(1):21-35. doi: 10.1111/cei.12959. Epub 2017 Apr 5. PMID:28268243 IF: 3.711
39.	The latex sap of the 'Old World Plant' Lagenaria siceraria with potent lectin activity mitigates neoplastic malignancy targeting neovasculature and cell death. Vigneshwaran V, Thirusangu P, Madhusudana S, Krishna V, Pramod SN , Prabhakar BT. Int Immunopharmacol. 2016 Oct;39:158-171. doi: 10.1016/j.intimp.2016.07.024. Epub 2016 Jul 29. PMID:27475665 IF: 3.361
40.	Therapeutic potential of Polyalthia cerasoides stem bark extracts against oxidative stress and nociception. Goudarshivananavar BC, Vigneshwaran V, Somegowda M, Dharmappa KK, Pramod SN . Anc Sci Life. 2015 Oct-Dec;35(2):70-8. doi: 10.4103/0257-7941.171667. PMID:26865738 IF: 0.46
41.	Immunomodulatory effects of hemagglutinating lectins from potato (<i>Solanum tuberosum</i>) and Garlic (<i>Allium Sativum</i>) on human and murine lymphocytes. Pramod SN , Vigneshwaran V, Venkatesh YP. Int J Pharm Pharm Sci 2015; 7(13): 147-153. IF: 2.029
42.	Enzymatic Hydrolysis Does Not Reduce the Biological Reactivity of Soybean Proteins for All Allergic Subjects.

	Panda R, Tetteh AO, Pramod SN , Goodman RE. J Agric Food Chem. 2015 Nov 4;63(43):9629-39. doi: 10.1021/acs.jafc.5b02927. Epub 2015 Oct 20. PMID:26447491 IF: 3.571
43.	Pharmacological Potential of Tetrahydrofurano/Pyran Quinoline and Benzo[b]furoindolyl Derivatives in Acute Inflammation, Pain and Oxidative Stress. Goudarshivananavar BC, Vigneshwaran V, Dharmappa KK, Pramod SN . Antiinflamm Antiallergy Agents Med Chem. 2015;13(3):165-73. PMID:25515170 IF: 1.64
44.	Microwave assisted rapid synthesis and biological evaluation of stable copper nanoparticles using T. arjuna bark extract. Yallappa S, Manjanna J, Sindhe MA, Satyanarayan ND, Pramod SN , Nagaraja K. Spectrochim Acta A Mol Biomol Spectrosc. 2013 Jun;110:108-15. doi: 10.1016/j.saa.2013.03.005. Epub 2013 Mar 14. PMID:23562740 IF: 2.931
45.	Challenges in testing genetically modified crops for potential increases in endogenous allergen expression for safety. Panda R, Ariyaratna H, Amnuaycheewa P, Tetteh A, Pramod SN , Taylor SL, Ballmer-Weber BK, Goodman RE. Allergy. 2013 Feb;68(2):142-51. doi: 10.1111/all.12076. Epub 2012 Dec 4. Review. PMID:23205714 IF: 6.771
46.	Identity of the immunomodulatory proteins from garlic (Allium sativum) with the major garlic lectins or agglutinins. Clement F, Pramod SN , Venkatesh YP. Int Immunopharmacol. 2010 Mar;10(3):316-24. doi: 10.1016/j.intimp.2009.12.002. Epub 2010 Jan 6. PMID:20004743 IF: 3.361
47.	Establishing objective detection limits for the pepsin digestion assay used in the assessment of genetically modified foods. Ofori-Anti AO, Ariyaratna H, Chen L, Lee HL, Pramod SN , Goodman RE. Regul Toxicol Pharmacol. 2008 Nov;52(2):94-103. doi: 10.1016/j.yrtph.2008.06.006. Epub 2008 Jun 20. PMID:18611423 IF: 2.996
48.	Allergy to eggplant (Solanum melongena) caused by a putative secondary metabolite. Pramod SN , Venkatesh YP. J Investig Allergol Clin Immunol. 2008;18(1):59-62. PMID:18361104 IF: 3.802
49.	Potato lectin activates basophils and mast cells of atopic subjects by its interaction with core chitobiose of cell-bound non-specific immunoglobulin E. Pramod SN , Venkatesh YP, Mahesh PA. Clin Exp Immunol. 2007 Jun;148(3):391-401. Epub 2007 Mar 15. PMID:17362264 IF: 3.711
50.	Utility of pentose colorimetric assay for the purification of potato lectin, an arabinose-rich glycoprotein. Pramod SN , Venkatesh YP. Glycoconj J. 2006 Nov;23 (7-8):481-8. PMID:17006640 IF: 2.926
51.	Effect of horse gram lectin (Dolichos biflorus agglutinin) on degranulation of mast cells and basophils of atopic subjects: identification as an allergen. Pramod SN , Krishnakantha TP, Venkatesh YP. Int Immunopharmacol. 2006 Nov;6(11):1714-22. Epub 2006 Aug 4. PMID:16979126 IF: 3.361
52.	Allergy to eggplant (Solanum melongena). Pramod SN , Venkatesh YP.

	J Allergy Clin Immunol. 2004 Jan;113(1):171-3. No abstract available. PMID:14713925 IF: 14.110
53.	Comparison of cellular antioxidants, enzyme activities in resistance and susceptible cucurbit fruits response to melon fly infestation to elucidate possible mechanism. Madhusudan S, Vigneshwaran V, Sunil SV, Shivashankar S, Ramesh babu N, Pramod SN , Achur RN. Der Pharma Chemica , 2018; 10(3): 55-64. ISSN: 0975-413X . IF: 0.32
54.	Biotic stress induced by <i>Bacterocera cucurbitae</i> (melon fly) triggers defense related phenylpropanoid pathway (PPP) and ROS detoxifying enzymes in cucurbits as adaptation. Madhusudana S, Vigneshwaran V, Achur RN, Shivashankar S, Pramod SN . Asian J Plant Sci Res . 2017; 7(4): 18-29. ISSN: 2249-7412 . IF: 0.92
55.	Complex oligosaccharide interacting <i>Lageria sicerariasap</i> agglutinin intimidates the microvessels density (MVD) of dalton's lymphoma in murine system. Vigneshwaran V, Thirusangu P, Krishna V, Pramod SN , Prabhakar BT. Int J Current Res 2016; 8: 42136-42142. ISSN: 0975-833X IF: 0.55 .
56.	Adjuvant effect of Garlic lectins (ASA I and ASA II) on mucosal immunity induction following intranasal immunization with ovalbumin antigen. Pramod SN and Venkatesh YP. IPCBEE 2013; 60:1-7. ISSN: 2010-4618 , IF: 0.27 . Doi:10.7763/IPCBEE.2013.V60.1
57.	Pharmacological Evaluation of Analgesic and Antivenom potential from the leaves of Folk Medicinal plant <i>Lobelia nicotianaefolia</i> (Heddumbe) Goudarshivannanavar BC, Vigneshwaran V, Dharmappa KK, Pramod SN . American J Phytomedicine Clinical Therapeutics 2014; 2(12): 1404-1415. ISSN: 2321-2748 IF: 1.15 .
58.	Human pleural fluid phospholipase A2 inhibition and <i>in vitro</i> antioxidant activity of ethonolic root extract of <i>Toddaliaasiatica</i> . Giresha AS, Crasta DP, Mohan kumara AS, Sneharani AH, Pramod SN , Dharmappa KK. International Journal of Resent Scientific Research 2016; 7(3): 9592-9598. ISSN: 0976-3031 . IF: 0.875 .
59.	In vitro anti-oxidant activity, lipoxygenase inhibition and secretory phospholipase A2 inhibition properties of <i>Gymnosporamontana</i> . International Giresha AS, Umashree, Pramod SN , Dharmappa KK. Journal of Recent Scientific Research 2016; 7(3): 9599-9603. ISSN: 0976-3031 . IF: 0.875 .
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61.	Evaluation of analgesic, anti venom and anti-microbial activities from the leaves of folk medicinal plant Heddumbe (<i>Lobelia nicotianefolia</i>). Nair SS, Swathi KS, Pramod SN . Proceedings of on Bioactive Plant Neutraceuticals (ICBPN) 2012; 2:8-14.ISBN: 978-81-923850-5-1
62.	Immunological implications basis for diagnosis of allergic disease-prevalence and treatment strategies. Pramod SN . Proceedings of National Conference on Molecular Diagnosis (NCBD) 2012; 1:15-25. ISBN: 978-81-924393-3-4
63.	Therapeutic role of lectins in cancer. Swathi KS, Nair SS, Pramod SN , Nagarjuna HM Vijnanakannada-swadeshi vijnanaandolana (Karnataka) 2012; 8: 131-133. ISBN: 2249-5754
64.	<i>Lobelia nicatofolia</i> -a medicinal plant, its medicinal folklore therapeutics. Nair SS, swathi KS, Pramod SN , Rajeshwari N, Nagarjuna HM. Vijnanakannada-swadeshi vijnanaandolana (Karnataka) 2012; 8: 126-130.ISBN: 2249-5754.

65.	Characterisation of pepsin resistant peptides of the three beta-conglycinin subunits of soybean. Z Li, A Ofori-Anti, S Pramod , R Goodman ALLERGY. . 2010/6/1 ;65:106-107
66.	Marked differences in IgE binding to lipid transfer proteins in nine corn hybrids grown in Nebraska (USA) under different field conditions. R Goodman, S Pramod , H Ariyaratna ALLERGY. 2010/6/1; 65:323-323
67.	In Vitro Basophil Assays To Assess The Biological Significance Of Ige Binding To Cross Reactive Carbohydrate Determinants (CCD) To Diverse Legumes In Peanut Allergic Subjects SN Pramod , AO Ofori-Anti, RJ Harbeck, V Nagabhushanam, L Vogel, F Kaye, S Vieths, RE Goodman Journal of Allergy and Clinical Immunology. 2010 ;125:2:AB87
68.	IgE Binding to Cross-Reactive Carbohydrate Determinants (CCD) on Proteins of Phaseolus vulgaris using Sera from Peanut Allergic Subjects Demonstrates the Potential for False Diagnosis SN Pramod , AO Ofori-Anti, R Cerny, RE Goodman. Journal of Allergy and Clinical Immunology. 2009/2/28;123;2:S24
69.	Would insect resistant transgenic legumes expressing alpha-amylase inhibitor from Phaseolus vulgaris present a risk of food allergy to legume allergic individuals? R Goodman, A Ofori-Anti, T Higgins, A Moore, P Campbell, S Vieths, L Vogel, K Foetisch, A Mari, S Taylor, A Singh, V Siruguri, S Pramod . ALLERGY. 2009/1/1; 64:480-481
70.	In vitro IgE Binding to Cross-Reactive Carbohydrate Determinants or Peptide Epitopes in Legume Extracts? AO Ofori-Anti, SN Pramod , RE Goodman. Journal of Allergy and Clinical Immunology. 2008/2/29; 121;2:S241
71.	Evaluation of Purified Rabbit IgG Antibodies Specific to Different Corn Lipid Transfer Protein (LTP) Peptides as Detection Reagents for Processed Foods and Comparison with Human Allergic IgE H Ariyaratna, SN Pramod , RE Goodman. Journal of Allergy and Clinical Immunology. 2008/2/29; 121;2 ;S184
72.	Comparative IgE binding to taxonomically diverse legumes with evaluation of binding to complex carbohydrates of glycoproteins using sera from legume allergic subjects R Goodman, A Ofori-Anti, S Pramod , U Banik, B Ballmer-Weber, A Singh, S Vieths, R Ferrara, S Taylor. ALLERGY. 2008/1/1; 63:405-405
73.	Effect of potato lectin on degranulation of basophils and mast cells of normal and allergic subjects. Pramod SN , Mahesh PA and Venkatesh YP. Indian J Allergy Asthma Immunol 2005; 19: 118

Patent

1.	An improved process for the preparation of immunomodulatory proteins from raw garlic (<i>Allium sativum</i>). Yeldur Padmanabha Rao Venkatesh, Fatima Clement, and Siddanakoppalu Narayana Pramod . [Indian Patent Application No. 132/DEL/2010; filed 22-JAN-2010].
2.	Bioactive garlic derived small molecule formulation for oncology applications. Kiran BK, Prabhakar BT and Pramod SN {Indian patent application number 202541023246A Filed date 15-MAR-2025}

Book Published / Book Chapters Published:

- **Title** : Immunomodulatory potential of Dietary lectins.
Topic :
Authors : Pramod SN
Publisher : Lambert Academic publications, Germany. 2016; ISBN: 978-3-659-87238-9

➤	Title : Biochemical manifestation of cucurbits against melon fly infestation Topic : Authors : Pramod SN Publisher : Lambert Academic publications, Germany.2019; ISBN: 978-613-9-44881-4
➤	Title : Immunological Basis for the Development of Allergic Diseases-Prevalence, Diagnosis and Treatment Strategies Topic : Cell Interaction-Regulation of Immune Responses, Disease Development and Management Strategies Authors : Pramod SN Publisher : INTECH OPEN, UK. Jan 2021 DOI: 10.5772/intechopen.95804; ISBN 978-1-83968-416-6
➤	Title : Phenylpropanoid Pathway for Lignin Biosynthesis and Protein Defensive Strategy against Melon Fly Topic : Currents Topics on Chemistry and Biochemistry Authors : Madhusudhan S, Rajeshwar AR, Raghavendra S, Pramod SN* Publisher : Book Publisher International, HongKong, 2022 https://doi.org/10.9734/bpi/ctcb/v3/2608A , ISBN 978-93-5547-710-1

Research Guidance Details (PhD):					
Sl. No	Name of the Scholar	University	Guide/co-guide	Registration month & Year	Research Area
1.	Shruthishree	Kuvempu University	Guide	Awarded 2017-2022	Lectin biology
2.	Hemavathi	Kuvempu University	Guide	Awarded 2018-2023	Food hypersensitivity
3.	Shruthinagarwal	Kuvempu University	Guide	Thesis submitted 2018-2025	Food induced Inflammations
4.	Basavaraj K	Davangere University	Guide	2022	Functional foods
5.	Tejaswi N	Davangere University	Guide	2023	Food Formulation
6.	Chandini R	Davangere University	Guide	2023	Food and function
7.	Prajwal R	Davangere University	Guide	2024	Food formulation and function
8.	Devaraju	Davangere University	Guide	2026	Food based therapeutics
9.	Nanditha	Davangere University	Guide	2026	Food proteins
Conference/ Workshops/Trainings /organized:					

Invited speaker in various science platforms

1. **Pramod SN.** Characterization of recombinant proteins. International seminar on “Food safety issues” with specific emphasis on GM food crops. Held on Nov 14-16, 2010 at National Chemical Laboratory (NCL), Pune-411008, India
2. **Pramod SN.** Cross allergenicity among legume antigens in subjects with food hypersensitivity-Role of cross reactive carbohydrate determinants (CCD). National Symposia on Immunology today: Recent developments in Health and Disease held on Nov 14-15 2011, at Department of Biochemistry, University of Mysore, Manasagangothri, Mysore-570006, India.
3. **Pramod SN.** Immunological basis for diagnosis of allergic diseases-prevalence and treatment strategies. National conference on Molecular Diagnosis, held on July 13, 2012 at Department of Biochemistry, Tumkur University, Tumkur, India.
4. **Pramod SN.** Challenges in testing genetically modified crops for potential increase in endogenous allergen expression for safety. XXII Indian convention of food scientists and technologists (ICFOST), Held on Dec 6-7, 2012 at CSIR-CFTRI, Mysore, India.
5. **Pramod SN.** “Dietary Lectins”-Do they mimic food hypersensitivity. Three day workshop on “Faculty development programme for science faculty of undergraduate colleges (FDP-UG)” in Biochemistry. Held on March 3-5, 2011 at Kuvempu University, Jnana Sahyadri, Shankaragatta, Shimoga-577451. India.
6. **Pramod SN.** Humanized rat basophilic leukemia (RBL) cell lines-a tool for allergen identification and clinical diagnosis of allergy. Three day National work shop on Animal cell culture techniques Demonstration and hand on experiments (ACTD) held on Sep 17-19, 2014 at PG Department of Biotechnology, Terrisian College, Mysore, Karnataka, India.
7. **Pramod SN.** Plant Defense Proteins as immunomodulators – a promising future therapeutic agents Plant lectins- nutraceutical or toxin. Special lecture series, Mar 21, 2018 at Biochemistry Department, Tumkur University, Karnataka, India.
8. **Pramod SN.** Dietary lectins: plant immunomodulators as future immunotherapeutics. Jan 11, 2019 Ocean University of China, Qingdao, China.
9. **Pramod SN.** Immune defense system-A barrier against invaders and basis of allergic inflammations. March 13, 2019 at Department of Food science and Engineering, Ocean University of China, Qingdao, China.
10. **Pramod SN.** Dietary lectins-a plant defense proteins as promising future immunotherapeutics. Special invited lecture, 3rd Feb 2020 at department of Biochemistry, University of Agricultural and Horticultural Sciences, Shimoga, Karnataka.
11. **Pramod SN.** Genetic Engineering: Tools for recombinant DNA technology. Special invited lecture. 9th Mar 2020. Life Science Departments, SRNM College of Applied Sciences, Shimoga, Karnataka.
12. **Pramod SN.** Immune defense strategies during infections and disease tolerance. Invited technical talk on 22nd June 2021, Webinar organized by NeoBT, Department of Biotechnology, KLE Tech, Hubballi, Karnataka.
13. **Pramod SN.** Immune system-A defense barrier against invaders and basis of Allergic inflammations. Special invited lecture for natural science students, 8th July 2021, JSS College for Women (Autonomous), Mysore, Karnataka.
14. **Pramod SN.** Combating COVID-19: A disease tolerance prospective In Two days National webinar on COVID-19 pandemic and its management strategies on Cot 28-29, 2021 organized by Department of Biochemistry, Mangalore University, Kodagu, Karnataka.
15. **Pramod SN.** Dietary lectins: A plant defensive protein as immunomodulators-promising future therapeutic agents. International conference on One Health: Biotechnology as catalyst for Sustainable Development (Heal BioTec 2023) on 7th to 9th Dec 2023 at JJS Academy of Higher education and research, Mysore, Karnataka, India.
16. **Pramod SN.** Garlic lectin -an immunomodulatory mucosal adjuvant for targeted immune therapy. National Conference on “Emerging trends in Biomedical Research (SDMBioMedCon)on 23-24, Feb 2024

at Shri Dharmasthala Manjunatheshwara (SDM) University, Dharwad, Karnataka, India.

17. **Pramod SN.** Challenges in testing genetically modified crops for potential increases in endogenous allergen expression for safety. International Conference on “Emerging Trends in Science, Technology and Management (ICETSTM-2026) on Feb 14 to Feb 18, Suranaree University of technology, Thailand.
18. **Pramod SN.** Dietary plant lectins: promising future immunotherapeutics. National Seminar on Current advance in Biochemical and Health sciences on 17-18 March 2026. Department of Biochemistry, Bangalore University, Bangalore, Karnataka.
19. **Pramod SN.** Advancement in Immunochemical techniques for clinical diagnosis. Two day workshop on Recent advances in Biochemical Techniques on 29-30, December 2025, at Department of Biochemistry, Tumkur University, Tumkur, Karnataka.

Conferences/Workshops/Seminars Attended:

1. International conferences: 18
2. National conferences: 19
3. International/ National seminars: 16
4. Faculty development programmes: 09
5. Workshops: 14
6. HRDC orientation and Refresher courses: 03
7. Pedagogy training for teachers: 02

Training Programme :

1. UGC sponsored Orientation program for university and college entry level assistant professors- UGC-Academic staff college, University of Calicut, Kerala. Secured “A” Grade in the program and actively participated in faculty enrich program. 2011.
2. UGC sponsored Refresher Course in Life Sciences for university and college professors- UGC-Academic Staff college, Goa University, Goa. Secured “A” Grade and actively participated. 2014.
3. UGC sponsored Refresher Course in Life Sciences for university and college professors- UGC-Academic Staff College, University of Rajasthan, Jaipur. Secured “A” Grade and actively participated. 2017.
4. British Council and Karnataka State Higher Education Council Sponsored capacity Building program on Internationalization of Higher education Institutes at Higher Education council. Bangalore for One week. In 2025.

Conferences/Seminars/ Symposia's/ workshops Organized :

1. **International seminar** on “Internationalization of Higher Education: A Key to Global Competitiveness” jointly organized with Cardiff metropolitan university UK and Davangere University on 17th Dec 2025.
2. **International Virtual conference** on “Digitalization of public healthcare system through AI driven health analytics” jointly organized with University of Wales Trinity Saint David (UWTSD), UK and Davangere University on April 27th April 2026.
3. **Capacity Building Programme workshop** on “From Building Models to Building Evidence: Strengthening AI Research Practices” jointly organized through the support of UWTSD, UK at Davangere University from 11th May 2026 to 14th May 2026.

Achievements/Awards / Abroad visit / Professional Membership

- | | |
|----|--|
| 1. | Invited Speaker to Visit Thailand for International conference. |
| | International conference on “Emerging trends in science, technology and Management” at Suranaree University of technology (SUT), Thailand. |

2.	Award of International Visiting delegate to UK sponsored by Govt. of Karnataka Organized by British Council and Karnataka State higher education Council (KSHED) under Leadership development program to visit UK universities from Sep 13 2025 to Sep 26, 2025.
3.	International faculty for virtual course conduct on Food immunology to OUC, China August 2025 and September 2026 (virtual online classes for 15 days) Ocean University of china, Qingdao, China.
4.	International Visiting Faculty Award -2023 Visiting faculty fellowship, Department of Food science and engineering, Ocean University of china, Qingdao, China.
5.	Certificate of Appreciation in recognition for a “Funded Research Project” from VGST-CISEE, Govt. of Karnataka in 2022. Davangere university, Shivagangotri, Davangere, Karnataka, India.
6.	Best Research Publication Award-2020 for the research publication from Davangere University, Davangere, Karnataka, India.
7.	InSc Research Excellence Award-2020 for the work published in J Functional Food Sept 2020 from Institute of Scholars (InSc). Karnataka, India.
8.	International Visiting Faculty Award to China- 2019 Jointly sponsored by Ocean University of China with Shandong Huifa Food Co LTD
9.	International Visiting Faculty award to China-2019 China Academy of Science fellowship, as visiting faculty to Ocean University China.
10.	Best Research Paper award-2017 International conference on Green chemistry and Nano technology , Mangalore, Karnataka
11.	Raman Postdoctoral Fellowship to visit USA-2014 University Grant Commission (UGC), Govt of India
12.	Excellent Research Paper award-2013 International Conference on Agricultural and Biotechnology (ICABT), at Kaulalmpur, Malaysia
13.	Jaipur Research Grant award-2005 39 th Annual convention of Indian College of Allergy and Applied immunology (ICAAI)
14.	International short term visiting fellowship to Germany-2009 Food Allergy Research and Resource Program (FARRP), University of Nebraska, Lincoln, NE, USA
15.	Short term visiting scholar to Department of allergy and immunology, National Jewish Medical Institute, Denver, USA.
16.	Postdoctoral Research fellowship (PDF)-2007 Department of Food Science and Technology, Inst. Agric Sci Nat Res, University of Nebraska, Lincoln, NE USA
17.	Jaipur Research Grant award-2005 39 th Annual convention of Indian College of Allergy and Applied immunology (ICAAI)
18.	Senior Research Fellowship (SRF)-2004 Council of Scientific and Industrial research (CSIR), Govt. of India.

Professional Membership in Scientific Bodies

1.	Life member ship to Association of Food Scientists and Technologists of India –AFSTI. Head quarters at CFTRI, Mysore. Membership number: AFST/LM/4-2020/DVNG/3498.
2.	Life membership to Institute of Scholars (InSc), Registered under Ministry of MSME, Govt. of India. Membership number: InSc202001737.
3.	Life Membership of Society of Biological Chemists, India (SBC-I), Head quartered at Indian Institute of Science (IISc), Bengaluru.
4.	Life membership of Indian Science Congress (INSC), Government of India.

5.	Life member of American Academy of Allergy Asthma and Immunology (AAAAI), USA.
6.	Annual member of India College of Allergy Asthma and Immunology (ICAAI) from 2002 to 2007 and 2016-2019.
7.	Annual member of Indian Immunology Society (IIS) from 2004 to 2007 and 2011-2019.

Other related Information

Summary of “Allergy to eggplant” published in *Journal of Allergy and Clinical Immunology* (January 2004; 113: 171-173) has been featured as JACI (Journal of Allergy and Clinical Immunology) Highlights – January 2004 under AAAAI (American Academy of Allergy, Asthma & Immunology) Media Center [website: <http://www.aaaai.org/media/jaci/2004/01/>].

Summary of Role on “Role of potato lectin in non-allergic food hypersensitivity reactions” was coated in Immunotherapy weekly under section Allergies as highlight of article published in Clinical and Experimental Immunology [website <http://www.newsrx.com/newsletters/Immunotherapy-Weekly/2007-08-/2408082007233LW.html>]

Biographee featured at, Who’s Who in Science & Engineering (9th edition) published by Marquis Who’s Who, New Providence, NJ, USA.

Biographee featured at, Who’s Who in the Asia, (1st edition). Published by Marquis Who’s Who, New Providence, NJ, USA.

Resource person in the Science awareness programme for high school students conducted by Sahyadri Science college, during Jan/Feb 2011.

Resource person in the VGST sponsored faculty development programme (FDP) to High School teachers at National Education Society, Shimoga.

Resource person to give Special lectures series to MSc Pharmaceutical chemistry students, Kadur PG centre, MSc Biotechnology students, Sahyadri Science College, Kuvempu University.

Resource person as to deliver a special lecture at the Department of Biochemistry, JSS women’s college.

Guest of honor to GIMDS PU College, Mysore to inaugurate Science laboratory and to deliver invited special lecture in the field of Biochemistry.

Personal Details

Gender	Male	
Date of Birth	8 th July 1978	
Contact details	Address for Communication	Permanent address
	Department of Food Technology, Shivagangotri, Davangere University, Davanagere-577007 Karnataka, India.	Siddanakoppalu, Siddapura post, K.R. Nagar Taluk, Mysore Dist. Karnataka, India PIN-571602

Electronic address	Telephone- Mobile : 91-9148356589 Home : 91-9353171545 E-mai : pramodsn@davangereuniversity.ac.in Website Links: ORCID: https://orcid.org/0000-0001-9917-1069 Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=6506684259 Google scholar Link https://scholar.google.com/citations?user=WxVs7MwAAAAJ&hl=en Research Gate Link https://www.researchgate.net/profile/Siddanakoppalu_Pramod2
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