FACULTY PROFILE



DR. PRABHURAJESHWAR
ASSISTANT PROFESSOR
Department of Biotechnology

Qualification :*M.Sc., Ph.D.*

Areas of Specialization : *Microbiology, Probiotics, Postbiotics and Nanotechnology*

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Date of Joining : *15-07-2019*

Contact Number :*9886080109/8746803720*

Academic Qualifications			
Degree	University	Specialization/ Subjects	Year of Award/ Passing
Ph. D	Gulbarga University, Kalaburagi	Biotechnology	2017-18
PG	Gulbarga University, Kalaburagi	Biotechnology	2012
UG	Gulbarga University, Kalaburagi	Biotechnology	2010

Professional Experience						
Sl. No.	**Designation**	**Institution/University**	**UG/ PG**	**From**	**To**	**Total Experience (Years & Months)**
1	Assistant Professor	Department of Biotechnology Davangere University, Davangere, Karnataka, India	PG	15-07-2019	Till date	
2	Research Scientist-I	Viral Research and Diagnostic Laboratory (VRDL), DHR-ICMR, Govt of India, Gulbarga Institute of Medical Sciences, Kalaburagi	--	11-01-2018	13-07-2019	1Y 9M

Research Profile	
Areas of Research	Biotechnology
Keywords	Probiotics, postbiotics, Bioactive compounds, Nanotechnology
ORCID ID	0000-0002-4948-9009
Scopus ID	56428019000
Web of Science ID	GRO-0639-2022
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/295076
Google Scholar	https://scholar.google.com/citations?user=g858PkgAAAAJ&hl=en
ResearchGate	https://www.researchgate.net/profile/Drprabhurajeshwar-C/stats

Research Publications:	
a) International Journals	
1.	Kumara B P, Navya H M, Unnathi G S, Prabhurajeshwar Chidre (2026). Assessment of Probiotic Properties and Bioactive Compound Production by Lactic Acid Bacteria Isolated from Home-Made Curd Samples of Different Sheep Breeds. Journal of pure and applied Microbiology **(IF-1.1, Q3) (Accepted)**
2.	Tulasabai Chavhan, Navya H M, Kumara B P, **Prabhurajeswar Chidre** (2026). Extraction and Biochemical Characterization of Exo-polysaccharides Isolated from Lactococcus Lacties from Fermented Dairy Products. International of Aquatic Research and Environmental Studies **(IF-, Q2)**
3.	Unnathi G.S., Navya H.M.*, Kumara B.P. and **Prabhurajeshwar Chidre*** (2026). A Review on Exploration of Postbiotics as Health Promoting Metabolites for Biotherapeutic Applications. Research Journal of Biotechnology. (**IF- *0.233*, Q4**)
4.	**Prabhurajeshwar Chidre,** Varun Shankarappa, Kumara Bosepalaiah, Chandranaik Dharmanaik, and Navya Hulikunte Mallikarjunaiah (2026). Bio-fabrication of sustainable MnO2 nanoparticles using *Basella alba* L. aqueous extract, its physicochemical characterization and *in-vitro* biological explorations. Discover Green Chemistry (**Springer Nature**)
5.	Varun Shankarappa, **Prabhurajeshwar Chidre,** Ajaykumar oli, Navya Hulikunte Mallikarjunaiah (2026). Toxicological implications and human health risk assessment of heavy metal contaminated green leafy vegetables and their cultivated soil. Toxicology and Industrial Health **(Sage, IF, 1.6, Q3)**

6.	Sai Sandeep Yanamandra, Blessy Hadassah Vathsalya Gorremuchu, **Prabhurajeshwar Chidre*,** Danamma Shettar, Ashajyothi Chavan, Harish Handral **(2025)**. Heavy metals tolerance plants and their Rhizobacterial: Ecological insights from Tumatti Hill, Ballari, India. International Journal of Environmental research (**Springer Nature, IF3.5, Q2**).
7.	Navya H M, Varun S, Nagesh Gunavanthrao Yernale, **Prabhurajeshwar Chidre* (2025).** Harnessing the Pharmacological Activities (Invitro and Insilico) of Schefflera venulosa and identification of potent phytochemicals using GC-MS, Journal of Herbs Spices & Medicinal Plants. (**Taylor and Francis, IF 2.5, Q2**)
8.	Nagesh Gunavathrao Yernale, Basavarajaiah S M, Oruganti Anjaneyalu, N Basamma, N D Sudharani, P Kaveri, Prashantha Karunakar, **Prabhurajeshwar Chidre ***, H M Navya **(2025).** Harnessing the therapeutic potential of macromolecular metal (II) complexes derived from quinoline and thiazole core ligands: synthesis, spectral analysis, in vitro and *in silico* biological evaluation. Journal of Molecular Structure, Vol 1338 (**Elsevier, IF 4.7, Q2**).
9.	Navya H M, **Prabhurajeshwar Chidre ***, Nagesh Gunavanthrao Yernale, Mangalagouda S,Basavarajaiah S M **(2025).** Eco-friendly synthesis of iron oxide nanoparticles (IO–NPs) from aqueous extract of *Cissus quadrangularis L.* (Veld grape): Characterization and pharmaceutical evaluation. **Journal of Molecular Structure, Vol. 1332.** 141685
10.	Navya H M and **Prabhurajeshwar (2024).** Exploring inhibitory potential of α–Glucosidase and α–Amylase activity and cytotoxic effect of Glycyrrhiza glabra traditionally used in Ayurveda for Diabetes management. African Journal of Biological Sciences; 6(5) (2024). 6150-6165 ISSN: 2663-2187
11.	**Prabhurajeshwar C,** Ashajyothi Chavan, Navya HM and Kelmani Chandrakanth R (2022). Nanomaterials: A Potential Broad-Spectrum Antimicrobial Agent. Journal of Materials Science and Nanomaterials. 6(1): 1-5.
12.	H. M. Navya**,** J. Naveen, P. Hariprasad, G Hithamani, **Prabhurajeshwar,** S. R. Niranjana **(2021).** Seed-Phytopriming with *Decalepis hamiltonii* extracts improves plant health by suppressing *Aspergillus flavus* infection in groundnut. Journal of Biologically Active Products from Nature; 11, 70-81.
13.	Phytochemical Analysis and Antimicrobial Activity of Leaf and Stem Extracts of Priva cordifolia (L.f.) Druce. Niranjan M. H. and **Prabhurajeshwar**. European Journal of Medicinal Plants. 31(7): 42-53, 2020
14.	Evaluation of antimicrobial properties and their substances against human pathogenic bacteria in-vitro by the probiotic properties of *Lactobacilli* strains isolated from different brands of Yoghurt". **Prabhurajeshwar c** and kelmani Chandrakanth R.. Clinical Nutritional Experimental.23, 2019, 97-115 **(ELSEVIER).**

15.	Probiotic potential of Lactobacillus spp with antagonistic activity against some human pathogenic strains: A validation for the production of inhibitory substances. **Prabhurajeshwar c** and kelmani Chandrakanth R. Biomedical Journal. 40(5), 2017, 270-283 **(ELSEVIER).**
16.	Molecular evaluation of high fluoroquinolone resistant genes in endemic cases of Shigellosis, North- east part of Karnataka, India. **Prabhurajeshwar C**, Pramod Desai and R kelmani Chandrakanth. Annals of Global Health. 82(5), 2016, 832-839 **(ELSEVIER).**
17.	Development of *in vitro* methodologies for inhibition of pathogenic bacteria by potential probiotic *Lactobacillus* sps; an evidence for production of antimicrobial substances. **Prabhurajeshwar C** and kelmani Chandrakanth R. International Journal of Pharma and Bioscience. 7(3), 2016, 277-286 **(ELSEVIER INDEXED).**
18.	Prevalence and antibiotic susceptibility pattern of fluoroquinolone resistant *Shigella* species isolated from infants stool in Gulbarga district, Karnataka, India. **Prabhurajeshwar,** Ajaykumar oli, Ashajyothi C, Kelmani Chandrakanth R. Asian Pacific Journal of Tropical Diseses, 5(1), 2014,930-934 **(ELSEVIER).**
19.	Investigation of antifungal and anti-mycelium activities using biogenic nanoparticles: An eco-friendly approach. Ashajyothi C, **Prabhurajeshwar C,** Harish K Handral, Chandrakanth Kelmani R. Environmental Nanotechnology, Monitoring & Management, 5, 2016, 81-87 **(ELSEVIER).**
20.	Hydrothermal assisted biosynthesis of silver nanoparticles from *Streptomyces* sp. GUT 21 (KU500633) and its therapeutic antimicrobial activity. Desai P P, **Prabhurajeshwar C** and Chandrakanth KR. Journal of Nanostructure Chemistry. 6, 2016, 235 **(SPRINGER).**
21.	Molecular Genotyping and Antimicrobial Activities of Secondary Metabolites from *Streptomyces* sp: Taxonomy, Extraction and Purification. Pramod P Desai**, C Prabhurajeshwar and** R Kelmani Chandrakanth. Journal of Biological Active Products from Nature. 6(4), 2016, 282-298 **(Taylor and Francis).**
b) National Journals	
1.	Tulasabai Chavhan, Navya H M, Kumara B P, **Prabhurajeswar Chidre** (2026). *In-vitro* Screening and Evaluation of Probiotic Potentials of Lactic acid Bacteria Isolated from Dairy Products. Asian Journal of Dairy and Food research **(IF-1.12, Q3)**
2.	**Prabhurajeshwar** and Navya H M. (2023) Bio-agents for the management of blast disease of finger millet (Eleusine coracana): A brief review. Agricultural reviews DOI:10.108805/ag.R-2633
3.	Niranjan M H and **Prabhurajeshwar** (2022). Screening Of Phytochemicals And Antimicrobial Properties Of Crude Extracts Of *Tecomacapensis* (Thunb.) Lindl And *Alstoniascholaris* (L.) R. Br. International Journal of Pharma and Biosciences, ijpbs 2022;doi 2022.13.1.B60-69.

4.	Ashajyothi C, Gulappa Gouda, Eresh, Arunkumar Lagashetty, **Prabhurajeshwar (2022).** Biosynthesis of silver nanoparticles from curd whey for its anticancer activity. Journal of Chemical, Biological and Physical Sciences.12 (4); 371-382.
5.	**Prabhurajeshwar C,** Navya HM, Sarfaraz Ahmed, Madhuri Biradar, R. Chandrakanth Kelmani, Nawaz Umar (2022). A Study on Seroprevalence among Clinically Suspected Dengue Viral Infection using IgM Antibody Capture ELISA for the Early Diagnosis. International Journal of Pharmaceutical Sciences and Clinical Research 2021; 1(4):390-395
6.	Sarfaraz Ahmed, **Prabhurajeshwar** and Lingappa Kattimani **(2021)**. Potential Probiotic *Lactobacillus casei* KLSA22 producing Lactase for Lactose intolerant with an antibiotic susceptibility pattern. Research Journal of Biotechnology. 16(2): 1-7.
7.	Mallikarjun Gundappa, **C. Prabhurajeshwar**, Sarfaraz Ahmed, H.M. Navya, M. Vijayasarathy, Shanmugam Velayuthaprabhu **(2021).** Microbiological Evaluation and Antibiotic Susceptibility Pattern of Bacterial Isolates Associated with Some Contaminated Edible Fruits and Vegetables. Indian Journal of Agricultural Research. Indian Journal of Agricultural Research, DOI: 10.18805/IJARe.A-5681
8.	Biofilm formation and Electron microscopic studies in multidrug resistant clinical isolates of *Shigella sps* isolated from infant's stool, north part of Karnataka, India. **Prabhurajeshwar C** and kelmani Chandrakanth R. International Journal of Pharma and Bioscience. 7(3), 2016, 144-154.
9.	Characterizations and optimization study on influence of different parameters on fabricated spherical nanoparticles from *Streptomyces* sp. Kelmani Chandrakanth R, Pramod P Desai, **Prabhurajeshwar C,** B.V.Hudge and Krishnaraj P U. International Journal of Research in Engineering and Technology, 5(1), 2016, 161-172.
10.	Potential Bactericidal Effect of Silver Nanoparticles Synthesized from *Enterococcus Species*. Kelmani Chandrakanth R*, Ashajyothi C, Ajay Kumar Oli, **Prabhurajeshwar C.** Oriental journal of Chemistry,30(3), 2014,1253-1262.
11.	Isolation and Characterization of Multi drug resistant *Escherichia coli* from clinical samples. Jahanara K, **Prabhurajeshwar C** and Kelmani Chandrakanth R. Journal of Advances and scholarly Researchers in Allied Education. 15(6), 2018.
12.	PCR Amplification and RFLP Analysis of Meca Gene Isolated from MRSA. Jahanara K, **Prabhurajeshwar C** and Kelmani Chandrakanth R. Biodiversity and Aquatic Research: An International Journal. 1, 2019, 1-4
13.	Molecular Characterization and Bio-Computational Analysis of Multi-Drug Resistant *E. coli* Isolated From Clinical Samples. Jahanara K, **Prabhurajeshwar C** and Kelmani Chandrakanth R. Advances in Bioresearch, 10, 2019.

14.	Shigellosis: A conformity review of the Microbiology, Pathogenesis and Epidemiology with consequence for Prevention and Management issues. **Prabhurajeshwar C** and Kelmani Chandrakanth R. Journal of Pure and Applied Microbiology. 12(1), 2018, 405-417 **(Review Article)**
15.	Emergence And Management Of Disease Burden Of MRSA; A Review For The Global Challenges. **Prabhurajeshwar C.** International Journal of Advanced Research.6 (11), 2018, 843-847 **(Review Article).**
16.	An Emergence of Antibiotic Resistance Enterococcus Infection and Its Management; An Overview. **Prabhurajeshwar C.** International Journal of Advanced Research. 2019 **(Review Article).**
17.	A review on Emergence of Antibiotic Resistance in *Pseudomonas aeruginosa;* its risk factors and clinical impacts. **Prabhurajeshwar C.** International Journal of Recent Scientific Research. 10(5), 2019, 32502-32505 **(Review Article).**

Book Published / Book Chapters Published:

- **Title** : Medicinal potentials of Phytochemicals for the management of Rabies. Neglected Tropical Diseases and Phytochemicals in Drug Discovery
  Topic : Rabies
  Authors : Prabhurajeshwar and Chandrashekar C
  Publisher: Elsevier Publisher , pp 441-451, 2022

- **Title** : Application of molecular docking and dynamics tools in SARS-CoV-2 drug design:
  Ligand protein interaction studies.
  Topic : Coronavirus Drug Discovery; Druggable targets and In silico update
  Authors : Chandrashekar Srinivasa, Chandan Shivamallu, Sharadadevi Kallimani, P. Sushma, Shiva Prasad Kollur, Prabhurajeshwar and S.M. Gopinath
- Publisher : Elsevier Publisher Vol 3. May 25, 2022,

- **Title** : Microbial metallonanoparticles-an alternative to traditional nanoparticle synthesis
- **Topic** : *Applications of Microbial Nanotechnology*
- **Authors** : D. Srividya, J. Patel Seema, Prabhurajeshwar and H.M. Navya
- **Publisher:** Springer, 2022

- **Title** : Handbook of Research on Green Synthesis and Applications of Nanomaterials
- **Topic** : *Applications of Metal and Metal Oxide-Based Nanomaterials in Medical and Biological Activities*
- **Authors** : Ashajyothi C, Harish K. Handral and Prabhurajeshwar C
- **Publisher:** IGI Global Publisher, 2022

- **Title** : Handbook of Research on Green Synthesis and Applications of Nanomaterials
- **Topic** : *Neglected Tropical Diseases and Phytochemicals in Drug* ***Discovery***
- **Authors** : Chandan, Shivprasad Kollur, Shashanka K Prasad, Chandrashekar Srinivasa, Prabhurajeshwar, S M Gopinath, Chukwuebuka Egbuna and Chandan Shivamallu
- **Publisher:** Elsevier, 2022, 441-451

- **Title** : Screening of Novel Metabolites from Actinobacteria. Actinobacteria,
- **Topic** *:* Rhizosphere Biology
- **Authors** : Prabhurajeshwar, H. M. Navya, Jayshree Uppin, Seema J. Patel, and Chandrakanth Kelmani
- **Publisher:** Springer Nature**,** 2021

- **Title** : Shigellosis; Its Prevention and Management issues.
  Topic : *International Journal of Medical Science and Diagnosis Research*
  Authors : Prabhurajeshwar C and Chandrakanth Kelmani R
  Publisher: Medical Publication Service, 2018, 80-94.

- **Title** : Probiotics; A Biotherapeutic Approach for Human Health and Diseases
  Topic : *Advances in Food and Nutrition Research*
  Authors : **Prabhurajeshwar C**
  Publisher: Akinik Publication, 2019 (In Press).

- **Title** : Extended-spectrum β-lactamases in *Escherichia coli :* implication for an Antibiotic Therapy
  Topic : Research in Microbiology
  Authors : Prabhurajeshwar C and Jahanara Utsad
  Publisher: Akinik Publication, 2018, 43-68.

Sponsored Research

Funding Agency	Title	Amount	Duration	Status	PI/Co-PI
Davangere University	Seed money for young teachers for research	20000/-	2Y	Competed	PI

Research Guidance					
Sl. No	**Name of the Scholar**	**University**	**Registration (DD/MM/YYYY)**	**Research Area**	**Date of Award**
1	Tulasabai Pundalika chavan	Davangere University	10/12/2021	Biotechnology	Pursuing
2	Kumara B P		01/04/2023		
3	Unnathi G S		22/04/2024		
4	K Kamalesh Gouda		2026		

Academic & Administrative Responsibilities (BOS, Academic Council, Syndicate, IQAC, NAAC, NIRF, Committees)					
Sl. No.	**Academic Responsibility / Position Held**	**Department / Institution / University**	**Role (Chairperson / Member / Coordinator / Convener / Nodal Officer, etc.)**	**From (DD/MM/YYYY)**	**To (DD/MM/YYYY)**
1	Member BOS	DoS in Biotechnology, Davangere University	Member	01-02-2019	01-02-2021
2	Member BOE	DoS in Biotechnology, Davangere University	Member	29-12-2020	28-12-2021
3	Research and Development Cell	DoS in Biotechnology, Davangere University	Coordinator	08-10-2021	--
4	Environmental and Conservation Cell	Davangere University	Member	8-10-2021	
5	Science and Technology Dean Composition	Davangere University	Member	05-03-2020	04-03-2022
6	Member BOE	DoS in Biotechnology, VSK University Ballari	Member	31-10-2023	30-10-2024
7	Member BOE	DoS in Biotechnology, KSAWU, Bijapur	Member	21-02-2024	20-02-2025

Awards & Recognition					
Sl. No	**Name of the Award / Honour**	**Awarding Organization / Agency**	**Level (University / State / National / International)**	**Year**	**Cash Award / Citation / Medal (if applicable)**
1	Best Poster presentation	Bapuji Educational associations and Davangere University, Davangere	International conference	2026	
2	First Prize in Oral presentation	Karnatak University, Dharwad	National conference	2025	
3	First Prize in poster presentation	Karnatak University, Dharwad	National conference	2025	
4	48th series of student project proposal approved for sponsorship	KSCST	Govt. of Karnataka	2024	
5	47th series of student project proposal approved for sponsorship	KSCST	Govt. of Karnataka	2023	
6	Best Research Publication Award	Davangere University	Davangere University	2021	
7	Best Research Publication Award	Davangere University	Davangere University	2020	
8	Best Researcher of the Year 2019	RULA Awards	RULA Awards, Malaysia	2019	
9	Shankar shri Prashasti	Department of Kannada and Culture, Govt of Karnataka,	Bangalore and Hyderabad Karnataka Sangeeth Seva Samithi, Kalaburagi	2018	
10	First Prize in Oral presentation	KSCST Govt. of Karnataka	National Level Conference	2018	

Membership in Professional Bodies					
Sl. No	**Name of the Professional Body / Society**	**Membership Category (Life / Annual / Fellow / Senior Member / Honorary)**	**From (DD/MM/YYYY)**	**To (DD/MM/YYYY)**	**National / International**
1	AFSTI-CSIR, CFTRI, Mysore, Karnataka	Life-time	2019	Till date	National
2	Probiotic association of India, ICAR-NDRI, Karnal		2019		National
3	International association of Engineers		2020		International

Extension & Outreach						
Sl. No	**Activity / Programme**	**Nature of Contribution (Coordinator / Convener / Resource Person / Expert / Volunteer / Consultant)**	**Organizing Institution / Agency**	**Level (University / State / National / International)**	**Date / Academic Year**	**Outcome / Impact**
1	BIG Proposal Scheme	Reviewer	DBT-BIRAC	National	2023,2024 and 2026	
2	National Conference	Co-chair technical session	Karnatak University, Dharwad	University	2025	
3	International Conference	Co-chair technical session	Garden city University, Bangaluru	State	2023	

Expert Talks					
Sl. No	**Title of Lecture / Programme**	**Organizing Institution**	**Role (Keynote / Invited Speaker / Resource Person / Panel Expert)**	**Level (University / State / National / International)**	**Date**
1	FDP- Programme	Surana college Bangalore KSTA sponsored	Resource Person	State	2023
2	Special Lecture	Lokamangal college of Agriculture Biotechnology Wadala	Resource Person	National	2023
3	Special Lecture	Walchand centre for Research in Nanotechnology and Biotechnology,	Resource Person	National	2020
4	Special Lecture	Walchand centre for Research in Nanotechnology and Biotechnology,	Resource Person	National	2020
5	Invited talk	Department of Biotechnology, Gulbarga University	Resource Person	University	2017

Collaborative Research Work					
Sl. No	**Name of Collaborating Institution / Organization of the Collaborator**	**Country**	**Nature of Collaboration (Research Project / Publication / MoU / Consultancy / Academic Exchange / Joint Supervision / Others)**	**Role (PI / Co-PI / Collaborator / Coordinator)**	**Major Outcome / Deliverables**
1	Bangalore Bio-innovation center	India	MOU	Collaborator	

Research Metrics (as on 01/10/2026)		
Sl. No	**Research Metric**	**Value Source**
1	Total Research Publications	38
2	Book Chapters Published	07
3	Edited Books	02
4	Total Citations (Google Scholar)	951
5	**h-index (Google Scholar)**	12
6	**i10-index (Google Scholar)**	16
7	Patents Published/Granted	03
8	Sponsored Research Projects Completed	01
9	Ph.D. Scholars Guiding	04
10	Research Awards / Honours	04
11	Invited / Keynote Lectures Delivered	05
12	Research Collaborations	01
13	Editorial Board Memberships	05
14	Reviewer for International Journals	05

Personal Details		
Gender	MALE	
Date of Birth	01-01-1990	
Contact details	**Address for Communication**	**Permanent address**
	Dr. PRABHURAJESHWAR Assistant Professor Department of Biotechnology Davangere University, Davangere Karnataka, India	**C/0 Vijaykumar Chidre H.No: 22/1 Biradar Colony, Basavakalyan, Bidar, Karnataka – 585327 India**

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