

Dr. Ullas Prasanna S.

Msc., Ph.D.

Department of P.G. Studies and Research in Biotechnology,

Kuvempu University,

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CAREER OBJECTIVE

I seek to obtain a challenging position in education, research and development that can give me the scope for widening the spectrum of my knowledge, and skills with sheer determination and work which will lead to professional, organizational, and personal growth.

PROFILE SUMMARY

- **6 years** of research experience in Biotechnology as a Senior Research Fellow.
- **6 years** of teaching and guiding experience to Post-Graduate students for projects.
- Presently associated with **Kuvempu University**, Shimoga.
- Very good knowledge of Plant tissue culture, Microbiology, Phytochemistry, Pharmacology, Molecular Biology, Genetic engineering and Food technology.
- Excellent communication skills.

LABORATORY SKILLS:

Plant tissue culture	Explant collection, MS media standardization, micropropagation, mass multiplication and field-level evaluation of horticultural crops.
Microbiology	Isolation, identification and characterization of agriculture-important microbes. Development of bio-control agents for the treatment of plant diseases.
Phytochemistry	Isolation of Compounds from microbes.
Pharmacology	Uses of the compound in drug manufacture.
Molecular biology	Molecular characterization and blast analysis of microbes.
Genetic Engineering	Next-generation sequencing, Transcriptome analysis & development of disease-resistant banana plants.

PROFESSIONAL HISTORY:

BSc Project: Isolation, identification & characterization of late blight disease-causing pathogen to potato in & around Chikkamagaluru dist.

Guide: **Dr. Hanumanthappa Makari**, Dept. of UG Studies and Research Biotechnology, Govt. First-grade college, Chikkamagaluru, Kuvempu University.

MSc Project: Transferability of finger millet SSR markers to other millets and genetic diversity in finger millet using RAPD markers.

Guide: **Dr. Kumarswamy H.M.** Associate Professor, Department of PG Studies and Research in Biotechnology, Kuvempu University, Shankaraghatta, Shimogga, 577 129.

Doctor of Philosophy: Micropropagation and Evaluation of the antagonistic activity of *Trichoderma* strain against *Fusarium oxysporum* f. sp. *ubense* causing Panama disease to *Musa paradisiaca* cv. Malnad Rasabale.

Guide: **Professor V. Krishna**. Department of PG Studies and Research in Biotechnology, Kuvempu University, Shankaraghatta, Shimogga, 577 129.

Research articles published

1. **Ullas Prasanna Sadarahalli**. (2020). Exposed Proteomes of *Brachyospira pilosicoli* responsible for the overall decline in poultry and pig's meat production. *International Journal of Advance Research, Ideas and Innovations in Technology*. 6(1). www.IJARIIT.com.

<https://www.ijariit.com/manuscript/exposed-proteomes-of-brachyospira-pilosicoli-responsible-for-the-overall-decline-in-poultry-and-pigs-meat-production/>

2. **Prasanna Ullas S.**, Kumar Ravi S., Nayaka S. Sachin, Ajith S., Krishna V. (2022). Supplementation of Urea as the Nitrate Source of MS Medium and High-frequency Regeneration of Plantlets of *Musa paradisiaca* cv. Malnad Rasbale. *Indian Journal of Agricultural Research*. 56(6). 705-711. **(Scopus Indexed)**

<https://arccjournals.com/journal/indian-journal-of-agricultural-research/A-5970>

3. **Sadarahalli, U.P.**, Manjunatha, G.N. and Kuttappa, T.C., Sheshagiri, A. and Kumbar, M. (2022). Application of *Pseudomonas* Strains for Biocontrol of

Commercial Crops Susceptible to Plant Pathogens: A Review. *Agricultural Reviews*. <https://arccjournals.com/journal/agricultural-reviews/R-2451>

4. **S. Ullas Prasanna**, V. Krishna, S. Ravi Kumar, N. M. Vinay Kumar, Nayaka, S. S., K. Raagavalli, & S. Ajith. (2023). *Trichoderma* spp. intervened activation of defensive enzymes in *Musa paradisiaca* cv. Malnad Rasbale plantlets. *Journal of Biological Control*. 36(2&3). 101-111. (Scopus Indexed)
<https://doi.org/10.18311/jbc/2022/29329>

5. Sachin S Nayaka, V Krishna, J Narayana, Ravi Kumar S, Vinay Kumar N M, and **Ullas Prasanna S.** (2022). The bactericidal potential of seed, leaf and stem bark sequential extracts of *Elaeagnus conferta* Roxb. *International Journal of Botany Studies*. 7 (5): 103-108. (UGC care list)
<https://www.botanyjournals.com/archives/2022/vol7/issue5/7-4-40>

6. Sachin S Nayaka¹, V Krishna^{*1}, J Narayana², Ravi Kumar S¹, Raagavalli K¹, Shashi Kumar R¹, **Ullas Prasanna S¹** and Vinay Kumar N M¹. (2022). Phytochemical screening and in vitro antioxidant potentials of *Elaeagnus conferta* Roxb. *International Journal of Food and Nutritional Sciences*. Pp. 121-132. (UGC care list)
<https://www.ijfans.org/issue-content/phytochemical-screening-and-in-vitro-antioxidant-potentials-of-elaeagnus-conferta-roxb-2163>

7. **Ullas Prasanna Sadarahalli 1**, Krishna Venkatarangaiah 1*, Ravi Kumar Shivakumar 2, Ajith Sheshagiri 3 and Sachin Somashekar Nayaka 4 . Antagonistic potential of *Trichoderma* strains isolated from *Musa paradisiaca* cv. Malnad Rasbale grown farmyards against Foc race 4 pathogen.
<https://doi.org/10.25303/1907rjbt1200127>

8. **Ullas Prasanna Sadarahalli 1** and Krishna Venkatarangaiah 1*. High-quality RNA isolation and cDNA library construction from Panama wilt resistant *Musa paradisiaca* cv. Malnad Rasbale for Next-Generation Sequencing, 11 October 2023, PREPRINT (Version 1) available at Research Square.
<https://doi.org/10.21203/rs.3.rs-3402813/v1>

9. **Ullas Prasanna Sadarahalli 1** and Krishna Venkatarangaiah 1*. Comparative Transcriptome analysis revealed the cellular pathways associated with disease resistance induced by native *Trichoderma* spp. against Panama wilt in *Musa paradisiaca* cv. Malnad Rasbale.(Under Communication).

Book chapters published

1. **Ullas Prasanna Sadarahalli**, Thammaiah Chekkera Kuttappa, Rangappa Kantharaja, Kumbar Mudakappa Manjunath and Prajwal Banasihalli Siddappa. (2022). The Protagonist of Microbes in Pest Control of Agriculture Crops & Ecological Effects. *Recent Innovative Updates in Agricultural-Horticultural Sciences*. 167-194. Volume -5. ISBN: 978-93-5570-454-2

DOI: <https://doi.org/10.22271/ed.book.2071>

2. Basavarajappa S H, Rahul M S, Guruprasad N M & **Ullasa Prasanna S**. Study on Avian Diversity of Hosanagara Region, Shivamogga Karnataka. *Biodiversity of Our Mother Earth*. Bharathi Publications. 327-347. ISBN: 978-93-94779-42-6

https://www.researchgate.net/publication/370471525_Study_on_Avian_Diversity_of_Hosanagara_Region_Shivamogga_Karnataka

Poster Presentations

1. **Ullas Prasanna S a**, Ravi Kumar S a, Ajith S a, Sachin S Nayaka a, and Krishna V a* *Trichoderma* strains co-cultivated activation of defence enzymes in FOC race-4 infected *Musa paradisiaca* cv. Malnad Rasbale. (2022). Recent Perspectives in Biotechnology Research organized by Department of PG Studies and Research in Biotechnology, Kuvempu University, Shankaraghatta, Karnataka, 577451, India. **(Best Poster Presentation Award)**

2. **Ullas Prasanna Sadarahalli 1**, Krishna Venkatarangaiah 1*, Ravi Kumar Shivakumar 2, Ajith Sheshagiri 3 and Sachin Somashekar Nayaka 4 . Activation of defense enzymes and high-quality RNA isolation protocol in FOC race-4 infected *Musa paradisiaca* cv. Malnad Rasbale for NGS analysis. (2022). Organized by the 62nd Annual International Conference of the Association of Microbiologists of India (AIM).

3. Impact of Food on Life Style Diseases (**IFLSD-2023**).

4. **Ullas Prasanna Sadarahalli**, Krishna Venkatarangaiah. Antagonistic potential of *Trichoderma* strains isolated from *Musa paradisiaca* cv. Malnad Rasbale grown farmyards against Foc race 4 pathogen. (2024). Organized by Department of PG Studies and Research in Food Technology, Kuvempu University, Shankaraghatta, Karnataka, 577451, India on “Advances In Food Technology and Nutrition” (AFTN-2024).

Research Work-Shop

1. Work-shop on “Research Methodology” held on 27th March 2019 at Jnana Sahyadri campus, Kuvempu University, Shankaraghatta, Karnataka, 577451, India.

ACADEMIC RECORD

- Ph.D. in Biotechnology from Kuvempu University from 2018 to 2023.
- MSc in Biotechnology and Bioinformatics from Kuvempu University, Shimoga in 2017.
- Worked as a Technical assistant manager in the commercial micropropagation of Banana cultivars at Kuvempu University from 2017 July to 2018 September.
- Worked as a Assistant lecturer in the Department of PG Studies and Research in Molecular Biology, School of Life Science, JSS Institution of Higher Education and Research, Bannimantap Road Mysore, Karnataka from September 2022 to 2023.
- Working as a Assistant lecturer in the Department of PG Studies and Research in Food-Technology, JnanaSahyadri Campus, Kuvempu University , Shankaraghatta, Shivamogga dist. Karnataka from September 2023 to present.

PERSONAL INFORMATION

Date of Birth : 07/07/1993
Gender :Male
Present Address :Ullas Prasanna S. s/o Prasanna SM (late), V.
Yaradakere, Y. Mallapura post, Kadur taluk,
Chikkamagaluru - 577 548
Languages Known :English, Kannada and Hindi.

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Shivamogga

(Dr. Ullas Prasanna S.)

