


I. Personal Information

Name	Dr. Jyothi, V	
Designation	Lecturer	
Address	B. O. B. Camp, Lakkavalli post, Lakkavalli – 577 128, Tarikere (Tq), Chikkamagalore (D), Karnataka, INDIA.	
Contact No.	+91 9164677049	
E mail	jyothi.chaya17@gmail.com	
Qualification	M Sc., Ph. D., (Microbiology)	
Area of Specialization	Agricultural Microbiology, Mycology, Industrial Microbiology.	
Special category	SC (Bhoi), Kannada medium and Rural Study from 1 to 10 th Standard	

II. Academic Qualification

Sl No.	Name of the Degree	Institute	Year of Pass	Remarks
1	Doctor of Philosophy (Microbiology)	Kuvempu University Shankaraghatta.	2021	Awarded by Kuvempu University
2	Ph D., (Course work)	Kuvempu University Shankaraghatta.	2017	72%
3	Master of Science (Microbiology)	Kuvempu University Shankaraghatta.	2013	64.50%
4	Bachelor of Science (BtBC)	Sahyadri Science College Shivamogga.	2011	60.28%
5	PUC	Department of Pre-University Education	2008	45%
6	SSLC	Karnataka Secondary Education Examination Board	2005	65.76%

III. Research Experience

Degree	Topic	Guidance	Year
Ph D., Research work (Microbiology)	Isolation and Evaluation of Phosphate Solubilizing Fungi from Rhizosphere soil of Medicinal Plants of Shivamogga District.	Dr. B. Thippeswamy Associate Professor, Dept. of Microbiology, Kuvempu University	2021
M Sc., Project work (Microbiology)	Response of Sorghum (<i>Sorghum bicolor</i>) for different VAM inoculants: Screening Study	Dr. S. Pradeep Co – Ordinator, OFRC, UAHS, Shivamogga	2013

IV. Work Experience

Lab Assistant	RKVY funded project “Farmers Participatory Research for Standardization and Promoting Organic Farming Practice for Sustained Production” at Organic Farming Research Centre, ZAHRS, Navile, Shivamogga. (1 Year)	2013 – 2014
Lecturer	Department of Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta (5 Years).	2014-16, 2020-21, 2023-till

V. Research papers published in Journals

1. Vijayalakshmi, V., Kusuma, S. N., Chethan kumar, B. D., Sneha, M. B., Karthik, N. S., Neelgund, S.E., Sathisha, G. J. and **Jyothi, V.**, 2024, Formulation and Quality Evaluation of Sugar-free and Low-sugar Nutritional Cookies from Bitter gourd (Karela); A Sustainable Health Impediment of Diabetic., *Global Scientific and Academic Research Journal of Multidisciplinary Studies*, 3(11); 1-10.
2. **Jyothi, V.**, Manjunatha, D., Akarsh, S. and Thippeswamy, B., 2024, Impact of phosphofungi isolated from rhizosphere soil of medicinal plants on growth, yield and phosphate uptake in Sorghum, *Journal of Mycopathological Research*, 62(3); 669 – 677.
3. Prakash, J., Manjunatha, D., Akarsh, S., Nandish, G., **Jyothi, V.**, Sowmya, H V. and Thippeswamy, B., 2023, Isolation and pathogenecity evaluation for causal agent of Panama Wilt in Banana, *Journal of Mycopathological Research*, 61(3); 343 – 348. DOI: 10.57023/JMycR.61.3.2023.343.
4. Nandish, G., Akarsh, S., Manjunatha, D., **Jyothi, V.**, Prakash, J. and Thippeswamy, B., 2023, Production and characterization of thermostable Polyhydroxybutyrate synthesized by *Achromobacter marplatensis* KUMBNGBT – 38, *Advances in Bioresearch*, 15(1); 463 – 472.
5. **Jyothi, V.**, Nandish, G., Prakash, J. and Thippeswamy, B., 2023, Isolation of Phosphofungi and Screening of their Silver Nanoparticles Biosynthesis”, *International Journal of Advanced Multidisciplinary Research*, 10(2); 7 – 21. DOI: <http://dx.doi.org/10.22192/ijamr.2023.10.02.002>.
6. **Jyothi, V.**, and Thippeswamy, B., 2023, Phosphatase activity of Phosphate Solubilizing Fungi Isolation from Rhizosphere Soil of Medicinal Plants of Shivamogga District, *Research Journal of Biotechnology*, 18(5); 56 – 62. DOI: <https://doi.org/10.25303/1805rjbt05606>.
7. Vijayalakshmi, V., Manjunatha, H., Preema, K. A., Nayana, P. and **Jyothi, V.**, 2023, Unraveling the Molecular Mechanism of Allyl Isothiocyanate (AITC) through network Pharmacological Approach: Protein-Ligand Interaction study and its Validation on Biological System, *International Journal of Biology and Biotechnology*, 20(1); 17 – 29.

8. **Jyothi, V.,** Akarsh, S., Sowmya, H. V. and Basaiah Thippeswamy, 2022, Phosphate solubilization and screening for biosynthesis of silver nanoparticles by *Aspergillus awamori* isolated from rhizosphere soil of medicinal plant *Coleus aromaticus*, *Journal of Food, Agriculture and Environment*, 20(3&4); 105 – 112.
9. **Jyothi, V.,** Thippeswamy, B., Noor Nawaz, A, S., Pradeep, S. and Vijayalakshmi, V, 2022, Response of Sorghum (*Sorghum bicolor*) for Different VAM Inoculants: Screening Study, *International Journal of Current Science*, 12(4); 1 – 14.
10. **Jyothi, V** and Thippeswamy, B., 2022, Effect of Phosphate Solubilizing Fungi from Rhizosphere soil of Medicinal plants on Growth and Phosphate uptake in *Raphanus sativus*, *International Journal of Current Science Research and Review*, 05(12); 4402-4408. DOI: 10.47191/ijcsrr/V5-i12-02.
11. **Jyothi, V** and Thippeswamy, B., 2022, *Talaromyces amestolkiae* - A Potential Phosphate Solubilizer Isolated from Rhizosphere Soil of Medicinal Plants, *International Journal of Science and Research*, 11(12); 299 – 303. DOI: 10.21275/SR221128123619.
12. **Jyothi, V** and Thippeswamy, B., 2020, Biosynthesis of silver nanoparticles and phosphate solubilizing activity of *Penicillium oxalicum*, *Plant Archives*, 20(2); 4423 – 4430.
13. **Jyothi, V.,** Sowmya, H. V. and Thippeswamy, B., 2020, Siderophore production by Phosphate solubilizing fungi from rhizosphere soil of medicinal plants, *International Journal of Biology and Biotechnology*, 17(3); 599 – 606.
14. **Jyothi, V** and Thippeswamy, B., 2020, *Aspergillus carbonarius* as a potential phosphate solubilizer, *Asian Journal of Microbiology, Biotechnology and Environmental Science*, 22(3); 472 – 478.
15. Vijayalakshmi, V., Pradeep, S., Manjunatha, H. and **Jyothi, V.,** 2020, The Impact of Nitrogen Fixers and Phosphate Solubilizing Microbes on Sorghum (*Sorghum bicolor*) Yield, *Current Biotechnology*, 9(3); 198 – 208. DOI: 10.2174/2211550109666191218125559.

VI. Participated and presented Research Papers in conference

Oral Presentation:

1. **Jyothi, V,** “Impact of Traveler’s Diarrhea caused by *Escherichia coli* during Traveling”. **Oral Presented** at One Day National seminar on “Tourism Management in India – A Development Perspective” organized by Department of Studies in Tourism Administration and IQAC, Sahyadri Commerce and Management College, Shivamogga during 5th March 2025.
2. **Jyothi, V** and B. Thippeswamy, “Plant Growth and Phosphate uptake of leafy vegetable (Methi and Palak) as influenced by Phosphate Solubilizing Fungi”. **Oral Presented** at

Two Days International Virtual Conference on “Biological Innovations and Computational Exploration for Pandemic Challenges (BICPAC - 22)” organized by Department of Biotechnology and Bioinformatics, BISHOP HEBER COLLEGE (Autonomous), Tiruchirappalli – 620017, Tamilnadu, sponsored by Department of Biotechnology and Council of Scientific and Industrial Research Ministry of Science and Technology Government of India, during 24th and 25th February 2022.

3. **Jyothi, V** and B. Thippeswamy, “Phosphate solubilizing potential of *Talaromyces amestalkiae* isolated from rhizosphere soil of medicinal plant – *Costus igneus*”. **Oral Presented** at One Day National Conference on “Innovative Microbial Trends and Challenges in Environment (IMTCE – 2020)” organized by Department of P. G. Studies and Research in Microbiology, Kuvempu University, Shankaraghatta during 2nd March 2020.
4. **Jyothi, V** and B. Thippeswamy, “*Aspergillus carbonarius* as a potential Phosphate Solubilizer”. **Oral Presented** at Two Days National Conference, “Phytochemicals and Microbial Bioactive Compounds – Role in Agriculture and Human Welfare (PMBC - 2019)” organized by Department of Microbiology and Biotechnology, Bangalore University, Bangalore, during 3rd and 4th October 2019.
5. **Jyothi, V** and B. Thippeswamy, “Analysis of Phosphate by Phosphate Solubilizing Fungi”. **Oral Presented** at Two Days National Conference, “Exploring Innovative Research and Developments in Chemical Sciences (EIRDCS - 2019)” organized by Department of P. G. Studies and Research in Chemistry, Kuvempu University, Shankaraghatta during 1st and 2nd March 2019.
6. **Jyothi, V** and B. Thippeswamy, “Isolation, Identification and Characterization of Phosphate Solubilizing Microorganisms from Rhizosphere soil, Bhadra Wildlife Sanctuary, Karnataka”. **Oral Presented** at Two Days National Conference on “Current Microbial Challenges in the Environment (CMCE - 2018)” organized by Department of P. G. Studies and Research in Microbiology, Kuvempu University, Shankaraghatta during 9th and 10th March – 2018.

Poster Presentation:

1. **Jyothi, V** and B. Thippeswamy, “Impact of Phosphofungi Isolated from Rhizosphere soil of Medicinal plants on Growth, Yield and Phosphate uptake in Sorghum”. **Poster Presented** at Two Days National Conference on “Impact of Food on Life Style Diseases (IFLSD - 2023)” organized by Department of Food Technology, Kuvempu University, fShankaraghatta during 28th and 29th March 2023.
2. **Jyothi, V** and B. Thippeswamy, “Effect of Phosphate Solubilizing Fungi from Rhizosphere soil of medicinal plants on Growth and Phosphate uptake in *Raphanus sativus*”. **Poster Presented** at Two Days National Conference on “Impact of Research Development in Life Science (IRDLS - 22)” organized by Department of Biochemistry and Food Technology, Kuvempu University, Shankaraghatta during 30th and 31st March 2022.

3. **Jyothi, V** and B. Thippeswamy, “Isolation, Characterization and plant growth promoting activities of phospho fungi from rhizosphere soil of Medicinal plants”. **Poster Presented** at Four Days International E-Conference on “Multidisciplinary approaches for plant disease management in achieving sustainability in agriculture” organized by Department of Plant Pathology, College of Horticulture, Bengaluru, University of Horticultural Science, Bagalkot, India during 6 - 9th October 2020.
4. **Jyothi, V** and B. Thippeswamy, “Isolation and Characterization of Phosphate Solubilizing Fungi from Rhizosphere soil of Medicinal Plants”. **Poster Presented** at Two Days National Conference on “New Horizons in Biological Sciences (NHBS – 2019)” organized by Department of Botany and Seed Technology, Sahyadri Science College, Shivamogga during 22nd and 23rd Feb 2019.
5. **Jyothi, V** and B. Thippeswamy, “Isolation and characterization of Phosphate Solubilizing Fungi from Rhizosphere soil of Medicinal plants”. **Poster presented** at Two Days National Conference on “Biodiversity Conservation – Recent Development and Future Strategies” organized by Department of P. G. Studies and Research in Wildlife and Management, Kuvempu University, Shankaraghatta during 16th and 17th November 2018.
6. **Jyothi, V** and B. Thippeswamy, “Response of Sorghum (*Sorghum bicolor*) to different VAM inoculants”. **Poster Presented (Third Prize)** at Two Days National Conference on “Current Microbial Challenges in the Environment (CMCE - 2018)” organized by Department of P. G. Studies and Research in Microbiology, Kuvempu University, Shankaraghatta during 9th and 10th March – 2018.

VII. Participated in Seminars/Conferences/Workshops

Conferences:

1. Participated in Two Days National conference on “**Advances in Food Technology and Nutrition (AFTN - 2024)**” held at Department of P. G. studies and Research in Food Technology, Kuvempu University, Shankaraghatta, Karnataka, INDIA during 15th and 16th March 2024.
2. Participated in Two National conference on “**Emerging Multi Disciplinary Trends in Biotechnology and Engineering: A Future Perspective**” held at Acharya Institute of Technology, Acharya Dr. Sarvepalli Radhakrishnan Road, Soladevanhalli, Hesaraghatta road, Bangalore – 107, sponsored by AICTE during 23rd and 24th August 2019.

Seminars/Webinars:

1. Participated an Interdepartmental National webinar on “**Nanoparticles and its Impact on human Microbiome**” organized by the Science Department of Sri Venkataramana Swamy College in association with IQAC under Star College Scheme on DBT during September 2021.
2. Participated the NAAS Sponsored National webinar on “**The Impact of COVID – 19 Pandemic crisis on higher Education Institutions in Karnataka and its Challenges**”

(ICPCHEIKC - 2021)” organized by Internal Quality Assurance Cell (IQAC), HKE Society’s, Shri Prabhu Arts, Science and J. M. Bohra Commerce Degree College, Shorapur District, Yadgiri, Karnataka, India during 20th July 2021.

3. Participated in One day national seminar on **“Emerging Viral Disrases – Covid-19 and KFD and Their Prevention”** held at Department of Microbiology, Kuvempu University, Shankaraghatta, Karnataka, INDIA during 8th March 2021.
4. Participated the webinar on **“Importance of Research and Funding Opportunities in AICTE with Respect to New National Education Policy of India”** organized by Center for Research and Development, The Oxford College of Engineering, Bangalore – 560 068 held on 5th November 2020.
5. Participated the webinar on **“GROW, NOURISH, SUSTAIN: TOGETHER”** conducted on the occasion of ‘World Food Day - 2020’ by department of Studies in Food Technology and Food Technology Forum, Davanagere University, Shivagangothri, Davanagere 577007 held on 16th October 2020.
6. Participated the webinar on **“Nanotechnology in Medical Field: Promises & Challenges”** Co-ordinated by SDM Research Institute for Biomedical Science, Shri Dharmasthala Manjunatheshwara University, Dharwad, Karnataka, during 29th September 2020.
7. Participated in Three days International days Webinar on **“Emerging Trends in Biotechnology and Bioinformatics 2020”** organized by the Department of Biotechnology and Bioinformatics, Yogi Vemana University, Kadapa, Andra Pradesh, India, during 3rd to 5th September 2020.
8. Attending the International webinar on **“Natural Products Development”** by Dept. of Food Technology, Shivagangothri, Davanagere University, Davanagere held on 31st May 2020.
9. Participated in Two days National Seminar on **“Toolkit to Accelerate Research”** organized by Kuvempu University, Jnana Sahyadri, Shankaraghatta and LIS Academy, Bangalore during 22nd and 23rd March – 2019.
10. Participated in Two days National Seminar on **“Frontier Research in Diversity and Taxonomy of Medicinal Plants”** organized by Biological Science Departments, Kuvempu University, Shankaraghatta, Sponsored by DBT, Ministry of Science and Technology, New Delhi during 4th and 5th November 2016.
11. Participated in One day State Level Seminar on **“Current Challenges of Microbes”** organized by Department of P. G. Studies and Research in Microbiology, Kuvempu University, Shankaraghatta during 4th March – 2016.

Workshops:

1. Participated in One day Workshop on “**Research Methodology**” organized by Scheduled Caste and Scheduled Tribe Development Cell, Jnana Sahyadri, Kuvempu University, Shankaraghatta during 27th March – 2019.
2. Participated in One day Workshop on “**Bioprospecting of Medicinal Plants and their Metabolites on Mucormycosis (Black Fungus)**” organized by Department of P. G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta during 10th January - 2025.

Online Quiz:

1. Attending the State level Awareness Quiz on “**Kyasanur Forest Disease**” organized by the Dept. of Microbiology, S.R.N.M.N College of Applied Science, Shivamogga – 577 201, Karnataka, during 23rd August 2020.
2. Attending the National level Quiz on “**Importance of Algae**” organized by the Dept. of Microbiology, S.R.N.M.N College of Applied Science, Shivamogga, Karnataka, during 29th to 31st July 2020.

Novel Fungal Sequences Deposited in GeneBank, NCBI

SI No.	Code No.	Sample	Accession No.
1	KUMBJBT06	<i>Penicillium oxalicum</i> (PSF 39)	MN733168
2	KUMBJBT07	<i>Talaromyces amestolkiae</i> (PSF 10)	MN904859
3	KUMBJBT08	<i>Aspergillus carbonarius</i> (PSF 37)	MN904861
4	KUMBJBT09	<i>Aspergillus niger</i> (PSF 40)	MN904862
5	KUMBJBT10	<i>Aspergillus awamori</i> (PSF 44)	MN904869
6	KUMBJBT11	<i>Penicillium oxalicum</i> (PSF 5)	MN904870
7	KUMBJBT66	<i>Aspergillus aculeatus</i> (PSF 8)	OK326731
8	KUMBJBT67	<i>Talaromyces purpureogenus</i> (PSF 33)	OK376278
9	KUMBJBT86	<i>Talaromyces</i> sp.	OP740987
10	KUMBJBT87	<i>Aspergillus niger</i>	OP740988
11	KUMBJBT88	<i>Penicillium oxalicum</i>	OP741082
12	KUMBJBT90	<i>Aspergillus floridensis</i>	OP741098