

Dr. Lokesh S. T.

Guest Lecturer
Department of Microbiology
Kuvempu University,
Shankaraghatta -577451
Shivamogga. Karnataka, INDIA.
Mobile No: +91-7813856996
Email id: lokeshst20@gmail.com

**Skills Summary:****Pharmacology**

Evaluation of antibacterial and antifungal activity, anticancer activity

Important Instruments Handled

Photoelectric colorimeter & UV-VIS spectrophotometer, Polymerase chain reaction (PCR), Gel electrophoresis, refrigerated centrifuge, hot Soxhlet extractor, MTT assay, cytotoxicity assays, lyophilizer, rotary evaporator.

Microbiology

Isolation of pure microbial strains, anti-microbial screening, staining techniques-Simple staining, Differential staining (Gram's stain, Acid fast stain), Endospore staining.

Academic Record:

Course	Board/university	Institution	Year of passing	% Marks/ C.G.P.A*
Ph.D. Course work	Kuvempu University,	Jnana Sahyadri, Shankaraghatta, Shivamogga.	2017	80.0 %
Master of science (M. Sc)	Kuvempu University,	Jnana Sahyadri, Shankaraghatta, Shivamogga.	2015	74.6 %
Bachelor of science (B. Sc)	Kuvempu University	Sahyadri Science College, Shivamogga	2013	74.93%
Diploma in Education (D.Ed.)	Karnataka Secondary education examination	NSVK TTI Arehalli, Banashankari 2 nd stage Bangalore	2007	80.34 %
Pre-University Education	Department of Pre-University Education, Karnataka	K L K Govt. college, Birur.	2005	46.66%

Ph.D. Topic:

“Isolation, Characterization and Evaluation of Antimicrobial and Anticancerous Property of *Claviceps purpurea*”

Research Supervisor: Dr. B. Thippeswamy

Teaching Experience: 2 Years

Novel Microorganism Sequence Deposited at GenBank, NCBI:

1. **Lokesh S.T** and Thippeswamy, B. 2018. Dept. of Microbiology, Kuvempu University, JnanaSahyadri, Shankaraghatta-577451, Shivamogga (Dist.), Karnataka. INDIA.

GenBank Accession No.	Name of the Nucleotide	Source
MH579419	18S rRNA partial	<i>Fusarium annulatum</i> . LBT01
MN596205	18S rRNA partial	<i>Claviceps purpurea</i> . KUMB04

Research Papers Published in National and International Journals:

1. **Lokesh, S.T.**, Thippeswamy B, Akarsh S. 2020. “Qualitative and Quantitative studies of reducing sugars, Protein contents and Antifungal activity of Secondary metabolites of *Claviceps purpurea*”. Plant Archives, **(Published) (Indexing: Thomson and Reuters; Asia Pacific-Web of Science Journal Expansion) SJR Scopus.**
2. **Lokesh, S.T.**, Thippeswamy B, Ravikumar S. 2019. Antibacterial property and molecular docking studies of methanolic fungal phytochemicals of *Claviceps purpurea* infected to bajra (*Pennisetum glaucum*) crop. Asian Journal of Pharmaceutical and Clinical Research **(Published) (Indexing: Google Scholar, Scopus, Elsevier, EBSCO, EMBASE, SCImago (SJR), CAS, CASSI (American Chemical Society), DOAJ (Directory of Open Access Journal), Index Copernicus, ICAAP (International Consortium for the Advancement of Academic Publication), Open-J-Gate, Socolar).**
3. **Lokesh, S.T.**, Naveen Kumar, K. J. and Thippeswamy, B. 2016. Screening of efficient phosphate solubilizing fungi from mine soil and effect of Phosphofungi on seed germination and vigor index of Ground nut (*Arachis hypogaea* L.) and Green gram (*Vigna radiata* L.). International Journal of Biological Research, **(Published) (Indexing: SWB, ZDB, WZB, BASE and EZB Germany, Google Scholar, DOI (CrossRef) registered Research Journal, Science Central) (Reference number: IJBR 6760).**

4. Pooja K. S., Naveen Kumar K. J and **Lokesh S.T.** 2015. Isolation and screening of efficient phosphate solubilizing fungi from forest soil. *Inventi Impact: Agro Tech*, 4:1–7. **(Published) (Indexing: CNKI Scholar (China National Knowledge Infrastructure), Index Copernicus, Google Scholar)**

Workshop Participated:

1. Participated in one day workshop on “Bioprospecting of Medicinal plants and their metabolites on Mucormycosis (Black Fungus)” held at Department of Microbiology, Kuvempu University Shankaraghatta, Shivamogga, Karnataka. During 10th January 2025.
2. Participated in one day workshop on “Intellectual property rights” held at Department of human physiology, Holy cross college, Agartala. During 13th August 2024.
3. Participated in the 10 days training program on “Current Techniques and Recent Advances in Plant Growth promoting Rhizomicrobial Research” held at Department of Agriculture Microbiology college of Agriculture Navile Shivamogga, Karnataka. During 20th to 29th February 2020.
4. Participated in the 10 days National workshop of “Plant Microbial Interaction for the Production of Therapeutic Compounds” held at Department of Biotechnology (DBT) under collaboration with Ministry of Science and Technology New Delhi. Kuvempu University Shankaraghatta. Shivamogga. Karnataka. During 17th to 26th October 2019.
5. Participated in the National workshop of “Research Methodology” held at Scheduled caste and Scheduled tribe Development cell Kuvempu University Shankaraghatta. Shivamogga. During 27th March 2019.
6. Participated in the National workshop of “Diversity and importance of lichens in the Western Ghats” held at Dept. of Applied Botany Kuvempu University Shankaraghatta collaboration with CSIR-National Botanical Research Institute (NBRI) Lucknow. During 26th March 2019.
7. Participated in the Hands-on working training programme of “Molecular Taxonomy of Bacteria, Fungus, Plant and Animal” held at CytoGene Research and Development Lucknow Uttarpradesh. During 29th November- 05th December 2018.
8. Participated in the National workshop of “Methods in Cell Culture and *In Vitro* Toxicology” held at National Centre for Alternatives to Animal Experiments (NCAAE), Bharathidasan University Tiruchirappalli Tamilnadu. During 22nd- 28th May 2017.

9. Participated in the “Role of Plant Taxonomy in Conservation of Biodiversity” held at Department of PG Studies and Research in Applied Botany. During 10th -11th November 2016.

Research papers Presented in Conferences/Symposiums:

1. **Lokesh S.T.** and B. Thippeswamy. “Evaluation of secondary metabolites of *Claviceps purpurea* against different cancer cell lines”. **Oral Presented** at International conference on “The significance of Gain/loss of function and impairing transcription factors causing Genetic disorders in Human (ICSFGD-2023)” Hosur. Organized by PG and Research centre in Biotechnology, M.G.R. College, Hosur, Tamilnadu held on 2nd and 3rd March -2023.
2. **Lokesh S.T.** and B. Thippeswamy. “HR-LCMS Analysis and molecular docking studies of secondary metabolites of *Claviceps purpurea*”. **Poster Presented** at National conference on “Innovative Microbial Trends and Challenges in the Environment (IMTCE-2020)” Shankaraghatta. Organized by Department of P.G. Studies and Research in Microbiology Kuvempu University during 2nd March -2020.
3. **Lokesh S.T.** and B. Thippeswamy. “Phytochemical analysis and antimicrobial activity of methanolic fungal extract of *Claviceps purpurea*”. **Poster Presented** at National conference on “Phytochemicals and Microbial Bioactive Compounds- Role in Agriculture and Human Welfare (PMBC-2019)” Bangalore. Organized by Department of Microbiology and Biotechnology Bangalore University Bangalore during 3rd and 4th October-2019.
4. **Lokesh S.T.** and B. Thippeswamy. “Optimization for production of secondary metabolites by *Fusarium annulatum*”. **Poster Presented** at National conference on “New Horizons in Biological Sciences (NHBS-2019)” Shivamogga. Organized by Department of Botany and Seed Technology, Sahyadri Science College, Kuvempu University during 22nd and 23rd February-2019.
5. **Lokesh S.T.** and B. Thippeswamy. “Production of Ergot Alkaloids by *Claviceps purpurea* through Submerged Culture Fermentation Process”. **Poster Presented** at National conference on “Biodiversity Conservation Recent Developments and Future Strategies (BCRDFS-2018)” Shankaraghatta. Organized by Dept of P.G. Studies and Research in Wildlife and Management Kuvempu University during 16th and 17th November-2018.

6. **Lokesh S.T.** and B. Thippeswamy. “Isolation and Screening of *Fusarium annulatum* from Bajra (*Pennisetum glaucum*)”. **Oral Presented** at International conference on “Recent Scenario in Plant Science Research – Climate changes and its Associated Variations (ICRSPSR- 2018)” Chidambaram Tamilnadu. Organized by Dept. of Botany Annamalai University during 23rd to 25th March-2018.
7. **Lokesh S.T.** and B. Thippeswamy. “Optimization of cultural conditions for production of secondary metabolites by *Claviceps purpurea*”. **Oral Presented** at National conference on “Current Microbial Challenges in the Environment (CMCE-2018)” Shankaraghatta. Organized by Dept of P.G. Studies and Research in Microbiology Kuvempu University during 9th and 10th March-2018.
8. **Lokesh S.T.** and B. Thippeswamy. “Isolation and Screening of Efficient Phosphate Solubilizing fungi from mine soil”. **Poster Presented** at KSTA National Conference on Annual KSTA Conference Bangalore. Organized by Reva University during 18th and 19th January 2018.
9. **Lokesh S.T.** and B. Thippeswamy. “Isolation and Screening of *Claviceps purpurea* from Bajra (*Pennisetum glaucum*)”. **Poster Presented** at International Conference on “Advances in disease management for human welfare”. Kalburgi Organized by Gulbarga University during 21st to 23rd November 2017.

Participation in Research Seminars/ Conferences:

1. Participated in two days National Seminar on “Current Developments in Microbiology” in the Dept. of Microbiology, Kuvempu University Shankaraghatta held on 24th and 25th March 2022.
2. Participated one day National webinar on “Nutritional aspects and Molecular events during Covid-19 pandemic” Organized by Department of Studies in Food Technology and Food Tech Form, Davanagere University, Davanagere held on 21st June 2021.
3. Participated in One day National Seminar on “Emerging Viral Diseases - Covid-19 & KFD and Their Prevention” in the Dept. of Microbiology, Kuvempu University, Shankaraghatta held on 08th March 2021

4. Participated in two days National Seminar on “Toolkit to Accelerate Research” Organized by Kuvempu University Library in collaboration with LIS Academy Bangalore held on 22nd and 23rd March 2019.
5. Participated in One day State Level Seminar on “Path to Entrepreneurship in Life Sciences” Organized by Dept. of Microbiology, Kuvempu University, Shankaraghatta on 22nd February -2017.
6. Participated in Two days National Level Seminar on “Frontier Research in Diversity and Taxonomy of Medicinal Plants” Organized by Biological Science Departments Kuvempu University Shankaraghatta. On 4th and 5th November 2016.
7. Participated in One day National Level Seminar on “Advances and Challenges in Biological Research” Organized by Dept. of P.G. Studies and Research in Biochemistry Kuvempu University Shankaraghatta. On 17th March 2016.
8. Participated in One day State Level Seminar on “Current Challenges of Microbes” Organized by Dept. of Microbiology, Kuvempu University, Shankaraghatta. On 04th March -2016.

Awards and Recognition:

1. Recognized and appreciated in Ambedkar Jayanthi programme for Ph.D. in Microbiology organized by Taluk administration and Social welfare department of Tarikere, Chikkamagaluru dist. during 14th April-2022.

Best Oral and Poster Presentation Award: First Prize

1. **Lokesh S.T.** and B. Thippeswamy. “Evaluation of secondary metabolites of *Claviceps purpurea* against different cancer cell lines”. **Oral Presented** at International conference on “The significance of Gain/loss of function and impairing transcription factors causing Genetic disorders in Human (ICSFGD-2023)” Hosur. Organized by PG and Research centre in Biotechnology, M.G.R. College, Hosur, Tamilnadu held on 2nd and 3rd March - 2023.

2. **Lokesh S.T.** and B. Thippeswamy. “HR-LCMS Analysis and molecular docking studies of secondary metabolites of *Claviceps purpurea*”. **Poster Presented** at National conference on “Innovative Microbial Trends and Challenges in the Environment (IMTCE-2020)” Shankaraghatta. Organized by Department of P.G. Studies and Research in Microbiology Kuvempu University during 2nd March -2020.
3. **Lokesh S.T.** and B. Thippeswamy. “Optimization for production of secondary metabolites by *Fusarium annulatum*”. **Poster Presented** at National conference on “New Horizons in Biological Sciences (NHBS-2019)” Shivamogga. Organized by Department of Botany and Seed Technology, Sahyadri Science College, Kuvempu University during 22nd and 23rd February-2019.

Junior Research Fellowship (JRF): For Ph.D. Programme in Kuvempu University during 2016-2017.

Senior Research Fellowship (SRF): For Ph.D. Programme in Kuvempu University during 2018- 2020.

National Conference/Seminar/Symposium Organized

Organizing Member: One day National Seminar on “Emerging Viral Diseases - Covid-19 & KFD and Their Prevention” in the Dept. of Microbiology, Kuvempu University, during 08th March 2021.

Participation of Faculty Development Programme

Participated in One-week Virtual Faculty development programme on “Tools used in Digital Training and Learning” Organized by Dept. of Computer Science and BCA, Shri S.R. Kanthi Arts, Commerce and Science college Mudhol, Karnataka. On 05-07-2021 to 10-07-2021.

Project details

DEGREE PROJECT

“Bacteriological examination of bottled holi water from different temples in Karnataka”

Time of duration: 3 Months

‘Analysis of Konandur Pond water’

Time of duration: 3 Months

M. Sc. PROJECT

“Isolation and Identification of phosphate solubilizing fungi from mine soil”

Time of duration: 5 Months

Hobbies/Interests

- Playing Cricket
- Travelling
- Reading Novels

Personal details

Date of birth : 20th May 1988
Gender : Male
Father’s Name : Thimmappa H S
Contact address : Shanubhoganahalli (Post),
Ajjampura (Tq)
Chikkamagaluru (Dist)
Pin code – 577547
Linguistic proficiency : English, Kannada, Hindi

Declaration

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

Place: Shankaraghatta

Date: 13-02-2025

(Dr. LOKESH S. T.)