

Bio-Data

Dr. Nayanashree. G M.Sc., Ph.D.

Present Address

**Nayanashree . G,
W/O Naveenkumar. B.
C/O M. Gopinath,
Advocate, Shrinivasa krupa,
Ratnagiri extension,
Chikmagalur-577101, Karnataka**

Mobile No.: +91 9611636104

E-mail: nayanashree.g@gmail.com

Date of Birth : 25-1-1987

Nationality : Indian

EDUCATION PROFILE :

Examination Passed	Subjects	Year	Result
Ph.D.	“Isolation, Screening and Characterization of Natural Rubber Degrading Microorganisms”	2014	Awarded
M.Sc.,	Microbiology	2009	I Class
B.Sc.,	Biochemistry, Botany, Microbiology.	2007	I Class
S.S.L.C.	Kannada, English, Hindi, Maths, Science, Social	2002	Pass

ACADEMIC EXPERIENCE :

Area of Specialization in Research : Environmental Microbiology, Agricultural microbiology, Mycology and Phytopathology.

Research Experience : 06 Years

1. Research Guidance for M.Sc., Students
2. Conducted an extensive investigation for **Ph.D. Thesis** on the topic “*Isolation, Screening and Characterization of Natural Rubber Degrading Microorganisms*” under the guidance of **Dr. B. Thippeswamy** Associate Professor, Department of P.G. Studies and Research in Microbiology, Kuvempu University.
3. **M.Sc., Project** “*In vitro* screening of bacterial strains against *Sclerotium rolfsii* the causal Organism of Soft rot disease of Coffee” at Central Coffee Research Institute (CRS), Balehonnur, Chickmagalur district.

4. **B. Sc., Project-**
- a. Microbial and chemical analysis of cultivated, uncultivated and garden soil.
 - b. Estimation of enzyme activity of salivary amylase.

Teaching Experience : 14 years

2009 to 2012: Worked as Guest faculty in the Department of Microbiology, Kuvempu University, Shankaraghatta, Shimoga from 2009 to 2012 and 2014 to till date.

Served as subject expert in the regular practical examinations conducted by Department of Microbiology, Kuvempu University.

Research Papers Published in National and International Journals:

1. Nayanashree G. and Thippeswamy B. 2013. Natural rubber degradation by *Verticillium* sp. and *Chaetomium* sp., *International journal of current research*. 05 (2): 007-012. (ISSN: 0975-833X, Impact factor-1.125).
2. Nayanashree G. and Thippeswamy B. 2013. Natural rubber degradation by *Trichoderma* sp., and *Aspergillus flavus* *Kuvempu University Science journal*. 04: 44-56. (ISSN: 2277-9523).
3. Nayanashree G. and Thippeswamy B. 2013. Natural rubber degradation by *Aspergillus niger* and *Penicillium* sp., *International Journal of Recent Scientific Research*, 04(9):1337-1341. (ISSN: 0976-3031, Impact Factor: 1.136, IC Value-5.72).
4. Nayanashree.G, Thippeswamy.B* and 1Krishnappa.M. 2014. Study on Biodegradation of Natural Rubber by *Aspergillus candidus* and enzymes responsible for degradation *International Journal of Research in Environmental Science and Technology*, 4(2): 25-29(ISSN 2249-9695).
5. Nayanashree G.a, Thippeswamy B.a*, Krishnappa M.b. 2014. Study on Natural Rubber Degradation by *Trichoderma harzianum* and enzymes

involved in its degradation, *The Journal of Bioprocess Technology*. Photon 100 , 444-452 (ISJN: 6383-4392: Impact Index: 3.94).

6. Nayanashree.G¹, Thippeswamy.B^{1*} and ²Krishnappa.M. 2014 .Natural Rubber Biodegradation by *Cladosporium fulvum* and Enzymes responsible for Biodegradation, *International Journal of Advanced Research*, 2(4):1206-1212.
7. Nayanashree.G¹, Thippeswamy.B^{1*} and ²Krishnappa.M. 2014. Enzymatic studies on Natural Rubber biodegradation by *Bacillus pumilus*, *International Journal of Biological Research*, 2(2): 44-47.
8. Nayanashree.G¹, Thippeswamy.B^{1*} and ²Krishnappa.M. 2014. Enzymatic studies on natural rubber degradation by *Streptomyces* sp., *International Journal of Biological Science and Technology*, 6(5): 26-30.
9. Nayanashree G. and Thippeswamy B. 2015. Natural Rubber degradation by Laccase and Manganese peroxidase enzyme of *Penicillium chrysogenum*, *International Journal of Environmental Science and Technology*, 12 (8):2665-2672.
10. Sowmya H.V., Ramalingappa., Nayanashree, G., Thippeswamy, B. and Krishnappa, M. 2015. Polyethylene Degradation by Fungal Consortium. *International Journal of Environmental Research*. 9(3):823-830. (ISSN: 1735-6865)
11. Nayanashree G. and Thippeswamy B. 2015. Biodegradation of Natural Rubber by Laccase and Manganese peroxidase enzyme of *Bacillus subtilis*, *Environmental Process an International Journal* 2(4):761-772 (ISSN:2198-7491).

Conference, Seminar, Symposium and Work shop Participated and Presented the research work

1. Participated in National Conference of ISCAP on “**Biotechnological Strategies for Biodiversity Conservation**” organized by Department of P.G. Studies and research in Applied Zoology, Kuvempu University, Shankaraghatta on 13th -15th March-2008.
2. Participated in the DBT & UGC sponsored – Two days National Seminar on “**Recent Advances and Challenges in Biochemistry and Biotechnology-2009**”

organized by Department of Studies and Research in Biochemistry, Jnana Sahyadri, Kuvempu University, Shankaraghatta on **1st and 2nd April-2009**.

3. Participated in XXXII All India Botanical Conference and International Symposium on **“Diversity of Plants and Microbes: Present scenario”** organized by Department of P.G. Studies and research in Applied Botany, Kuvempu University, Shankaraghatta on **28-30th December-2009**.
4. Participated Two days national Seminar on **“Impact of Microbes on Health”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **27th and 28th February- 2010**.
5. Participated in 2 days National Seminar on **“Present Scenario of Microbial Life”** organized by Department of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Shankaraghatta during **28th and 29th March-2011**.
6. Participated in 2 days National Seminar on **“Challenges in Malaria and Other Infectious Disease Research”** organized by Department of P.G. Studies and Research in Biochemistry, Jnana Sahyadri, Shankaraghatta during **3rd and 4th May- 2011**.
7. Participated in National Seminar on **“Role of Microbes: Past, Present & Future”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **28th and 29th March-2012**.
8. Participated in National Seminar on **“Progress in Biomedical Research and Its Impact on Human Health”** organized by Dept. of P.G. Studies and Research in Biochemistry, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **2nd and 3rd April-2012**.
9. Participated in State level Seminar on **“Emerging trends in Microbiology: Issues And Challenges”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **31st March-2015**.
10. Participated in State level Seminar on **“Current Challenges of Microbes”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnana

- Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **4th March-2016**.
11. Participated in Science Academies Lecture Workshop(SALW) on “**Role of Plant Taxonomy in Conservation Of Biodiversity**” organized by Department of P.G. Studies and research in Applied Botany, Kuvempu University, Shankaraghatta on **10th -11th November-2016**.
 12. Participated in State level Seminar on “**Path to Entrepreneurship in Life Sciences**” organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **22th Februry -2017**.
 13. Participated in International conference on “**Advances in Disease Management For Humans**” organized by Gulberga University, Kalburgi, Karnataka, India, during **21st to 23rd November 2017** and presented poster on “**Natural rubber degradation by *Rizopus* sp., isolated from soil and enzymes responsible for biodegradation**”.
 14. Participated in National conference on Current Microbial Challenges in the Environment (CMCE-2018) organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **09th and 10th March-2018** and presented oral presentation on “**Comparison between the biodegradation of Natural Rubber by *Mucor* sp., and *Aspergillus terrus* isolated from Rubber latex contaminated soil**”.
 15. Participated in National conference on “**Biodiversity conversation- Recent Development and Future Strategies**” organized by Dept. of P.G. Studies and Research in Wild life and Management, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **16th and 17th November-2018** and presented oral presentation on “**Biodegradation of Rubber by Microbial consortium and Enzymes**”.
 16. Participated in work shop on “**Research Methodology**” organized by Kuvempu University, Shankaraghatta- 577 451, during **27th March -2019**.
 17. Participated in National conference on “**Phyto-chemicals and Microbial bioactive compounds- Role in agriculture and Human Welfare(PMBC-2019)**” organized by Dept. of Microbiology and Biotechnology, Bangalore Univerisity, Bangalore during **3rd and 4th October-2019** and presented oral presentation on “**Biodegradation of Natural Rubber by Bacterial consortium and Enzymes responsible for Biodegradation**”.
 18. Participated in National conference on “**Innovative Microbial Trends snd Challengs in the Environment(IMTCE-2020)** ” organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **2nd March-2020** and presented oral presentation on “**Enzymatic Degradation of Rubber by fungal Consortium**”.
 19. Participated in National Seminar on “**Emerging Viral Disease- Covid-19 and KFD and their previantion**” organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **8th March-2021**.

20. Participated in National Seminar on “**Current Development in Microbiology**” organized by Dept. of P.G. Studies and Research in Microbiology, Jnana Sahyadri, Kuvempu University, Shankaraghatta- 577 451, during **24th and 25th March-2022.**

Techniques Familiar with:

- a. Isolation and pure culture maintenance.
- b. Electrophoretic and Chromatographic Techniques.
- c. Qualitative and Quantitative estimations of Biomolecules.
- d. Handling all microbiological techniques especially related to industrial microbiology and biotechnology.
- e. Screening biocontrol agents for metabolite production using biological assays.
- f. Medical Microbiology and immunological tests.

Other Skills / Information:

Languages known: Kannada, English and Hindi.

Hobbies: Reading books, Drawing, and Listening music.

Computer Proficiency: Diploma in Microsoft Office, MS-Office, data analysis and presentation, handling databases related to Life science.

Science related and cultural activities:

1. Participated in “**Kuvempu University Silver Jubilee Science Exhibition-2012**” (Silver Jubilee Celebrations-2012) organized by Committee for Popularization of Science Education, Kuvempu University, Jnanasahyadri, Shankaraghatta-577 451. at the University Campus during 16th - 19th February-**2012.**

I hereby declare that all the statements made above are true, complete and correct to the best of my knowledge.

Date:

Place:

(Nayanashree. G)