

Bio-Data

Dr. Nayanashree G.

Present Address

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Date of Birth : 25th January 1987

Nationality : Indian

EDUCATION PROFILE :

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

ACADEMIC EXPERIENCE :

Area of Specialization in Research : Environmental Microbiology, Mycology and Plant Pathology and Bioprospecting

Research Experience : Five 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 Rubber Degrading Microorganisms”* under the guidance of **Dr. Thippeswamy B**, Professor, Department of P.G. Studies and Research in Microbiology, Kuvempu University from **2010 to 2014**.
3. **M.Sc., Project**–*“In vitro screening of bacterial strains against Sclerotium rolfisii 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 from garden soil”*. (b)*“Estimation of enzyme activity of salivary amylase”*.

Teaching Experience : 13 years

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

2014 to till present: Worked as Guest faculty in the Department of Microbiology, Kuvempu University, Shankaraghatta, Shimoga from 2014 to till now.

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., Thippeswamy B.*, Krishnappa M.. 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 and Symposium Participated and Presented the research work

1. 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**.
2. Participated Two days national Seminar on **“Impact of Microbes on Health”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnanasahyadri, Kuvempu University, Shankaraghatta- 577 451, during 27th and 28th February- **2010**.
3. Participated one day Seminar on **“Recent Advances in Microbiology”** organized by Dept. of P.G. Studies and Research in Microbiology, Sahyadri Science College (A), Kuvempu University, Shivamogga on 19th March- **2010**.
4. 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**.
5. Participated in National Seminar on **“Role of Microbes: Past, Present & Future”** organized by Dept. of P.G. Studies and Research in Microbiology, Jnanasahyadri, Kuvempu University, Shankaraghatta- 577 451, during 28th and 29th **March, 2012**.

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.

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: 22/06/2024

Place: Shankaraghatta

(Nayanashree. G)

