



**Dr. RAMALINGAPPA M.Sc., Ph.D.**

Professor

Department of Studies & Research in Microbiology

Davangere University, Shivangothri

Davangere -570 002, Karnataka

[ramalingappa.88@gmail.com](mailto:ramalingappa.88@gmail.com)

**Education**

2006 Ph.D in Applied Botany

Kuvempu university

1993 M.sc Life Science

Kuvempu University

**Professional Experience**

2013-present Professor, Department of Studies & Research in Microbiology

Davangere University. Research Focus: Studies on Characterization of Lipase Catalyst Microorganisms from Groundnut oil Industrial Waste.

2010 August to 2013- Associate Professor, Department of Studies & Research in Microbiology Davangere University.

2007-10 Reader Department of Studies & Research in Microbiology Kuvempu/ Davangere University

2002-07-Senior scale lecturer Department of Studies & Research in Microbiology Kuvempu University.

1996-2002- Lecturer Department of Studies & Research in Microbiology Kuvempu University.

1995-1996- Lecturer (Guest) Department of Studies & Research in Microbiology Kuvempu University.

1994-1995- Lecturer (Part-time) Department of Zoology. Govt. Science College Chitradurga.

**Professional Recognition:**

- Chairman BOS, Botany, (P.G.) 2009-11 Davangere University- Davangere-2.
- Member BOS &BOAE member, 2009- Till date, Davangere university- Davangere-2.
- Member- Board of Studies in Microbiology (BOS) Kuvempu University- (2001-09).
- Evaluator of M Phil thesis (BIOTECHNOLOGY) Karnataka University Dharwad 2015.
- Evaluator of M. Sc (BIOTECHNOLOGY) by Research VTU, Belgaum 2012-13.
- Member-BOS, Doctoral Committee member, Microbiology and Applied Botany, Kuvempu University- (2013-14).

## **Organizational Membership**

1. Mycological Society of India.
2. Society of Biological Chemists India.
3. Academic advisory member, school of Biosciences, Kuvempu University (2002-07).
4. BOE (Chairman) Microbiology 2006-07, BOS member & BOAE member, (2005-2007) Kuvempu University.
5. BOE (Chairman), BOS (chairman) & BOAE member of Botany, Davangere University. Davangere- 2009-10 and 2010-11.
6. BOE (Chairman/PG-combined) Microbiology, 2013-14 & Member BOS & BOAE member, Davangere university- Davangere

## **Professional Workshops and Training**

1. National Workshop on Nuclear Power & Environmental Radioactivity from 20-21<sup>st</sup> March 1993 organized by Department of Studies in Physics, Kuvempu University, Sahyadri Science College Campus, Shimoga.
2. National Seminar on Biotechnology for Rural & Industrial Development organized by D.O.S in Biotechnology, Gulbarga University, Gulbarga, (Karnataka State) from 22<sup>nd</sup> and 23<sup>rd</sup> December 1995.
3. Diamond jubilee Symposium of association of Microbiologists of India and 9<sup>th</sup> Annual Conference 5<sup>th</sup> and 6<sup>th</sup> December 1998, organized at College of Fisheries, Mangalore-575 002.
4. National Seminar of “Recent Trends in Plant diseases and Management from 16<sup>th</sup> and 17<sup>th</sup> March 2001, organized by Department of Studies in Applied Botany, Kuvempu University, Shankaraghatta-577 451.
5. National Seminar on New Trends in Biochemistry and Biotechnology, 24<sup>th</sup> March 2001, organized by D.O.S in Biochemistry and SBC (1) Kuvempu University Chapter, Davangere-577 004. Karnataka.
6. 42<sup>nd</sup> Annual Conference “Microbial Biotechnology-Millennium 5 New Vision Association of Microbiologists of India. Dept. of Microbiology, Gulbarga University, Gulbarga.
7. Participated in the Symposium of “Fundamentals of Molecular Biology” organized by Department of Studies in Microbiology, P.G. Centre, Davangere and Indian Academy of Sciences, Bangalore from 4<sup>th</sup> and 5<sup>th</sup> March 2000.
8. Participated in the “National seminar on Emerging areas in biomedical sciences” organized by Department of Studies in Biochemistry, Food technology P.G. Centre, Davangere of March 29<sup>th</sup> 2008.
9. Participated in the Seminar on “BIO NANO INFORMATICS” Organized by Department of Biotechnology and Department of biomedical engineering BIET, Davangere on held 3<sup>rd</sup> march 2008.
10. Participated in the Lecture Series On “DNA structure & Replication and Diagnosis of plant diseases” at A.V. Kamalamma college for women On august 2007.

11. Participated in the national seminar on **Pharmaceutical chemistry and technology**  
On 2-05-2012 Conducted at P. G. Centre Kuvempu University KADUR.
12. Participated in the one-day seminar on “Emerging Trends for Microbiologist in Corporates”  
organized by Department of On 22<sup>nd</sup> March 2009. Held in P.G Centre, Kuvempu University,  
Organized by KUMBAA.

## International Seminar

1. Attended Prof. Sune Berg Strom Public lecture delivered by Dr. Jose Verghese, held at J.N. Tata Auditorium, National Science Seminar Complex I.I.Sc., Bangalore-560 012 in April 29, 2004.

## International Workshop

1. International workshop on Microbial Genetics organized at Ayya Nadar Janaki Ammal College, Sivakasi, Tamilnadu (UNESCO, CSIR & INSA, New Delhi sponsored) 10<sup>th</sup>-14<sup>th</sup> July 2002.

## Workshop (National Level)

2. Attended the Bioinformatics Training Workshop on **Applications of Bioinformatics** in Department of Fishery Microbiology, College of Fisheries, Mangalore during Feb 21-23. 2005.
3. Attended the Orientation workshop on 21<sup>st</sup> and 22<sup>nd</sup> October 2003 at UBDT College of Engineering, Davangere.
4. Attended the Campus Diversity Initiative, Participation in a self-development workshop held at Kuvempu University, August 3-5 2001.
5. Attended the national workshop on Research methodology & scientific publication held at J.N Tata auditorium, IISc, Bangalore 4<sup>th</sup> and 5<sup>th</sup> June 2008.
6. Attended the Bioinformatics National Workshop on **Bioinformatic tools for gene & protein analysis in** Department of Studies in Biochemistry S.K University, Anaparthi, Andhra Pradesh during 9<sup>th</sup> -12<sup>th</sup> Aug, 2003.
7. Attended the three day Bioinformatics national workshop on “**Sequence analysis & visualization tools**”, 19<sup>th</sup>-21<sup>st</sup> Sep 2005. at Dr. Damodaran College of science. Coimbatore, Tamilnadu.
8. Attended the **National Microbiology CME & Workshop on 30<sup>th</sup> April 2011** Organized by Department of Microbiology, S.S Medical College Davangere.
9. Attended the Indian Aerobiological Society National Conference on –**AEROBIOLOGY 2010**, held at BIET 19<sup>th</sup> -21<sup>st</sup> Nov. 2010.
10. Attended two day IUSBC (VGST) on Zoology and Genetics during **23, 24 May 2011**. Held at Karnataka State Women’s University, Department of Bioinformatics, Bijapur.
11. Attended the one day seminar on **Pharmaceutical Chemistry and Technology** Organized by Pharmaceutical Chemistry, Kuvempu University, P.G. Centre, Kadur, Chikkmagalur on **2<sup>nd</sup> May 2012**.

**Organizing secretary**-One day seminar on Concepts in mathematics and their applications on 19 April 2013 held at Davangere University Davangere.

One day seminar on COACHING UGC- CSIR NET for SC/ ST students held on 15-Feb 2014 in Davangere University, Davangere.

**Orientation/Refresher Course/Training Attended:**

1. UGC sponsored refresher course, 12<sup>th</sup> June and 3<sup>rd</sup> July 2001, conducted at Department of Life Sciences, Kuvempu University, Shankaraghatta-577 451.
2. UGC sponsored four week orientation courses from 27-08-2001 to 22-09-2001 conducted at S.V. University, Thirupathi-517 502.
3. Campus diversity initiative- A project sponsored by Ford Foundation; the faculty workshop from August 3<sup>rd</sup> to 5<sup>th</sup> 2001, Kuvempu University, Shankaraghatta.

**Organization of Programmes:**

Year	Programme	Sponsor	Position held
2007	Seminar	Microbiology alumni	Organizing secretary
2008	Seminar	Microbiology alumni	Organizing secretary
2010	Seminar	Microbiology alumni	Organizing secretary

**Member for Professional Societies**

1. Life Member for Association of Microbiologists of India (AMI).
2. Life Member for Association of industrial Microbiologists of India (AMIM).
3. Life Member for Society of Biological Chemists (SBCI).
4. Life Member for Society of Mycology and Plant pathology.

**Reviewer of International Journals**

1. Environmental Science Pollution and Research- Springer
2. African Journal of Microbiology Research- Academic Journals
3. Bioinfo Journals-Pubmed

**Student and Research Scholar training**

2. **Ramalingappa.** Presented a Paper “Screening of Lipase Catalyst Microorganism from groundnut oil mill wastes & oil contaminated soil samples of Davangere” at in 42<sup>nd</sup> AMI, Annual Conference held at Gulbarga University, from 9<sup>th</sup>-11<sup>th</sup> Nov. 2001.
3. **Ramalingappa.** Presented a paper in 44<sup>th</sup> Annual Conference of Association of Microbiologists of India, from 12-14<sup>th</sup> Nov. 2003, held at Department of Agricultural Microbiology University of Agricultural Sciences, Dharwad-580 005.
4. **Ramalingappa.** Presented a paper on “Impact of IPRS on development of Biotech industry at National

level seminar on Intellectual Property Rights” (March 14 and 15) 2004, As a delegate, organized by Ministry of Human Resource Management, GOI and Dept. of Commerce, PG Centre, Davangere.

5. **Ramalingappa**. Presented a paper on “Screening of mycotoxigenic fungi through novel methods” at a National symposium on Molecular Innovation in Food Processing and Safety Management and Awareness programme on Career Prospects and Business Opportunities in Food processing 5<sup>th</sup> and 6<sup>th</sup> April, 2010. Jointly organized by National Institute of Food Technology Entrepreneurship Management, Haryana, Indian Institute of Crop Processing Technology, Thanjavur, Ministry of Food Processing Industries, Government of India & the Oxford College of Science, Bangalore.
6. **Ramalingappa**. Presented a Paper on “Quantitative study of esterase’s from the latex of *E. thirukalli*” In UGC Sponsored national conference on Recent trends in analytical techniques. NCRTAT.19<sup>th</sup> Feb. 2011.
7. **Ramalingappa** and Shantaveera Swamy. Presented a Paper on “Screening of Lipases producing yeast oil contaminated soil samples of Davangere” at an annual conference held at Yuvajanas college, Mysore, from 27<sup>th</sup> – 29<sup>th</sup> March, 2013.
8. **Ramalingappa**. Presented a paper on “*In vitro* Evaluation of Antibacterial Activity and Phytochemical Analysis of *Vitexnegundo* Linn. Against Selected Human Pathogens” at National seminar on Applications of Biotechnology in Human Welfare (March 28<sup>th</sup> and 29<sup>th</sup>) 2014. Organized by Department of Microbiology, Davangere University.
9. G.L.Aruna, Poojitha, H.S. and **Ramalingappa**. Presented a paper on “In Vitro Evaluation of Antibacterial Activity and Phytochemical Analysis of *Vitexnegundo* Linn., against Selected Human Pathogens”. National Conference on Applications of Biotechnology in Human Welfare” held on 28-29<sup>th</sup> March, 2014. Organized by Dept. of Microbiology, Davangere University, Davangere (Poster presentation).
10. Naveena K.C and **Ramalingappa**. Presented a paper on “Antifungal activity of lactic acid bacteria against mycotoxin producing fungi” at National conference of Indian Aerobiological Society on Impact of Aerosols on Health, heritage and environment 28<sup>th</sup> - 30<sup>th</sup> September 2015. Organized by Department of science, Tumkur University.
11. **Ramalingappa** and Research Students. Presented a paper on “Biodegradation of Polyethylene from Microbes” 103<sup>rd</sup> Indian Science Congress 3<sup>rd</sup> to 7<sup>th</sup> January, 2016. Organized by University of Mysore. Mysore.

12. Naveena K.C and **Ramalingappa**. Presented a paper on “Isolation and screening of oleaginous yeasts for the production of biodiesel” at National seminar on Recent Trends in Environmental Biotechnology and Sustainable Energy. 10<sup>th</sup> August 2016. Organized by P.G Department of Biotechnology and Microbiology, Karnatak University.Dharwad-03.
13. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Production, Partial Purification and Characterization of *Trichophyton rubrum* Antigens by Indirect ELISA”. National Conference on Recent Advancement in Nano- Science and Technology held on 21<sup>st</sup> and 22<sup>nd</sup> April 2017. Organized by Dept. of P.G. Studies in Chemistry, Govt. Science College, Chitradurga (Oral presentation).
14. Shantaveera Swamy and **Ramalingappa**. Presented a Paper on “Production, characterization and optimization of laacase from *Pleurotus* sps.,
15. Shantaveera Swamy and **Ramalingappa**. Presented a Paper on “Lignolytic enzymes production from mushrooms.
16. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Diagnostic Potential of Indirect ELISA for Identifying *M. canis* infection in Humans”. National Conference on Advances in Biotechnology held on 29<sup>th</sup> January, 2018. Organized by Dept. of Biotechnology, University College of Science, Tumkur University, Tumkur (Poster presentation).
17. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Optimization of Environmental Parameters for *Trichophyton rubrum* Growth and its Antigen Production. National Conference on “Applications of Microbiology in Human Welfare” held on 30<sup>th</sup> January, 2018. Organized by Dept. of Microbiology, University College of Science, Tumkur University, Tumkur (Poster presentation).
18. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Development and Evaluation of Indirect Enzyme Linked Immunosorbent Assay for the Serological Diagnosis of *Trichophyton rubrum* Infection in Humans”. National Conference on Applications of Microbiology in Human Welfare held on 30<sup>th</sup> January, 2018. Organized by Dept. of Microbiology, University College of Science, Tumkur University, Tumkur (Oral presentation).
19. Naveena K.C and **Ramalingappa**. Presented a paper on “Production of biodiesel from oleaginous yeasts” at National Conference on Current Microbial Challenges in the Environment-March 9<sup>th</sup> and 10<sup>th</sup> 2018 (CMCE-2018). Organized by Dept. of P.G. Studies and Research in Microbiology Kuvempu University, Shankaraghatta-577451.
20. Sowmya H.V and **Ramalingappa**. Presented a paper on "Biodegradation of polyethylene by fungal consortium of SEM and FTIR analysis" in National Conference on “Current Microbial Challenges in the Environment (CMCE-2018)” organized by Dept. of P.G. Studies and Research in Microbiology during 09th and 10th March 2018.
21. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “*In vitro*, Optimization of Environmental conditions for growth and antigen production of *Epidermophyton floccosum*”. National Conference on "Current Microbial Challenges in the Environment (CMCE-2018)."Organized by Dept. of Microbiology, Kuvempu University, Kuvempu University, Jnanasahyadri, Shankaraghatta (Poster presentation).
22. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Diagnostic Potential of Indirect Enzyme Linked Immunosorbent Assay for the Immunological Diagnosis of *Trichophyton rubrum* Infection in Humans”. National Conference on “Current Microbial Challenges” in the Environment (CMCE-

2018)."Organized by Dept. of Microbiology, Kuvempu University, Kuvempu University, Jnanasahyadri, Shankaraghatta (Oral presentation).

23. Naveena K.C and **Ramalingappa**. Presented a paper on “Selection and characterization of lipid producing yeasts for production of biodiesel” at National conference organized by Dept. of faculty of life sciences, JSS College, mysuru held on 27<sup>th</sup> and 28<sup>th</sup> October 2018.
24. Niranjana K and **Ramalingappa**. Presented a paper at National conference organized by Dept. of faculty of life sciences, JSS College, mysuru held on 27<sup>th</sup> and 28<sup>th</sup> October 2018.
25. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Optimization of Environmental Parameters for *Microsporium canis* Growth and Antigen Production”. National Conference on “Recent Innovation in Microbial Biotechnology”. Held on 28<sup>th</sup>-29<sup>th</sup> November, 2018. (Oral presentation). Organized by Dept. of Studies in Biotechnology and Microbiology, Karnatak University, Dharwad (Oral presentation).
26. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Statistical Comparison of Diagnostic performance of in house Indirect ELISA with KOH hydrolysis and Fungal culture for the *Trichophyton rubrum* infection in Humans”. Annual Conference on “New vistas in Science and Technology for Common Good”. Organized by Karnataka Science and Technology Academy (KSTA) and NMKRV College for Women, Bangalore on February 1-2, 2019.
27. Naveena K.C and **Ramalingappa**. Presented a paper on “Isolation and characterization of novel lipid producer *Candida scorzettiae* MBY- 08”, at National conference on Sustainable Environment through Biological Sciences and Technology. Organized by Dept. of Microbiology, Davangere University held on 7<sup>th</sup> and 8<sup>th</sup> Feb. 2019. Davangere.
28. Naveena K.C and **Ramalingappa**. Presented a paper on “Characterization of novel oleaginous yeast *Candida scorzettiae* isolated from soil” at National conference jointly organized by Dept. of Biotechnology and - Society for Cytologists and Genetics in India. Held on Feb. 18<sup>th</sup>-20<sup>th</sup>. 2019. BIET. Davangere.
29. G.L. Aruna<sup>1</sup> and **Ramalingappa**<sup>2</sup>. Presented a paper on “Development and Evaluation of Indirect ELISA for the Diagnosis of *Epidermophyton floccosum* Infection in Humans”. Conference on “Frontier areas in Chemical Biology” Organized by Dept. of Chemistry and Dept. of Biological Sciences, Dayananda Sagar University, Bangalore, held on 21<sup>th</sup>-22<sup>th</sup> February, 2019 (Oral presentation).
30. Sowmya H.V and **Ramalingappa**. Presented a paper on "Comparison of polyethylene degradation by *Trichoderma harzianum*, *Penicillium simplicissimum* and by their combination" in National Conference on “Phytochemicals and Microbial Bioactive Compounds-Role in agriculture and Human Welfare (PMBC-2019)” organized by Dept. of Microbiology and Biotechnology, Bangalore University, Bangalore during 3<sup>rd</sup> and 4<sup>th</sup> October 2019.
31. Geeta D and **Ramalingappa**. Presented a paper “isolation of low density polyethylene biodegradation by microorganisms”. Organized by Swadeshi Vignana Andolana-karnataka, held on 15<sup>th</sup> and 16<sup>th</sup> September 2019, at Davangere University.
32. Geeta D and **Ramalingappa** Presented a paper entitled “Isolation, Identification and Screening of LDPE Biodegradation by Microorganisms from Municipality Dumpsite Soil”, organized by Environment, Human Health and Sustainable Development Goals and World Environment Day 2020 Celebration held on 5-6 June 2020 at National Online Conference, Noida.



### Research (MINOR) Projects:

Sl. No.	Project Title	Funding Agency	Duration		Grant Amount (INR)	PI/Co.PI
			From	To		
1.	Isolation, characterization of catalyst microorganisms from Ground nut industrial waste.	UGC-Minor project	2001	2002	12,000/	Principal Investigator
2.	Production of biodiesel from oleaginous fungi.	Minor project KSCST	Feb 2015	June 2015	10,000/	Principal Investigator
3.	Production of bioethanol from agro wastes.	Minor project KSCST	Feb 2018	June 2018	13.000	Principal Investigator

### Major research projects: Principal Investigator

Sl.No	Title of Project	Funding Agency	Duration	Amount Sanctioned
1.	Phylogenetic and molecular Characterization of lipases producer bacteria from oil contaminated soil.	UGC-Major project	2013-2016	Rs. 8.39 Lakhs

### Research Experience and Publications:

1. Shantaveera swamy H. M. and **Ramalingappa** 2015 Production and characterization of laccase from *Pleurotus* sp. Current Research in Microbiology and Biotechnology Vol. 3(4): 658-662. ISSN: 2320- 2246.
2. Shantaveera swamy H.M. and **Ramalingappa** 2015 Lignolytic enzymes production from selected mushrooms. International Journal of Applied Sciences and Biotechnology. Vol. 3(2):1-7. IF: 1.422 ISSN 2091-2609.
3. *G.L. Aruna, Ramalingappa B* 2017 A Clinico-Mycological Study of Human Dermatophytosis in Chitradurga, Karnataka, India Journal of Medical Science and Research ISSN(e)-2347- 176x ISSN(P)2455-0450
4. Divya N., Pramod V. Pattar and **Ramalingappa** 2017 TRIKATU CHURNA: COMPARATIVE STUDY OF POLYHERBAL AYURVEDIC FORMULATIONS ASIO Journal of Pharmaceutical & Herbal Medicines Research ISSN:2455-281X
5. Naveena KC and **Ramalingappa** 2018 Production of Polyunsaturated Fatty Acids (PUFAs)

- from Microbes and their Secondary Metabolites. International Journal of Current Microbiology and Applied Sciences ISSN:2319-7706
6. Vinay Kumar P.G., and **Ramalingappa B** 2018 Molecular characterization of extracellular lipase producing soil bacteria *Bacillus* sp. RV 12 and *Bacillus* sp. RV 18 and optimization for process parameters. International Journal of Advanced Life Sciences. E-ISSN: 2277 -758X,
  7. G.L. Aruna, **Ramalingappa B.** 2018 Development and evaluation of indirect enzyme linked immunosorbent assay for the serological diagnosis of *Microsporium canis* infection in humans. Journal of Mycologie Medical
  8. G.L. Aruna, **Ramalingappa B.** 2018 Optimization of Environmental Parameters for *Trichophyton rubrum* Growth and its Antigen International Journal of Health Sciences and Research ISSN:2249-957
  9. Sahana Sonter, Pramod V. Pattar , **Ramalingappa.** 2018 Effect of *Eichhornia crassipes* (Mart.) Solms. Compost on Morpho Physiological Parameters of Blackgram (*Vigna mungo* (L) Hepper) International Journal of Science and Healthcare Research
  10. Vaishali S, Pramod V. Pattar & **Ramalingappa.** 2018 Phytochemical and Antimicrobial Screening of *Spermacoce ocymoides* Burm International Journal of Recent Research and Applied Studies
  11. Naveena KC and **Ramalingappa** 2018 Production of Polyunsaturated Fatty Acids (PUFAs) from Microbes and their Secondary Metabolites. International Journal of Current Microbiology and Applied Sciences. (2018). 7(12): 2680-2689.
  12. Vinay Kumar PG and **Ramalingappa** 2019. Characterization of extracellular lipase producing bacteria RV22 isolated from soil samples of Karnataka, India. International Journal of Life Sciences Research.
  13. Naveena KC and **Ramalingappa** 2019 Omega ( $\omega$ )-3 Polyunsaturated Fatty Acids (PUFAs) Derived from Microorganisms and Their Role in Human Health. International Journal of Research Studies in Biosciences
  14. Naveena KC and **Ramalingappa** 2019 Isolation, Screening, FTIR Analysis and GC-MS Studies of Oleaginous Fungi *Pleurotus ostreatus* International Journal of Research Studies in Biosciences (IJSB). Volume 7, Issue 12, 2019, PP 22-26.
  15. Naveena KC and **Ramalingappa** 2020 Characterization of lipid producing fungi isolated from soils International Journal of Life Sciences Research.
  16. Geeta D and **Ramalingappa** 2020 Biodegradation of UV treated LDPE by *Aspergillus niger* isolated from dumpsite soil. Environment and Social Development Association (ESDA)

