

## Covering Letter

Sir,

I am working as a Lecturer in the Department of Biochemistry, Kuvempu University, Karnataka, India since year 2005 (more than 19 years of teaching experience). I have also qualified CSIR-UGC NET examination which is a national level eligibility exam for the post of Assistant professor in Universities in India. I was awarded Ph.D in Biochemistry from Kuvempu University in the year 2016. My Ph.D research topic was “Identification and characterization of novel plasma protein biomarkers of alcoholism in human population”. I have published 18 research papers in reputed journals. Apart from that, I am interested in Enzyme technology and Biomaterials. Currently I am working on nanotechnology. I am very much interested to learn new avenues and work in your prestigious University/ institute/company. I hope you will consider my application and give me an opportunity to serve your institute.

Thanking you

**Dr. Raghu H.S**

## RESUME

**Dr. RAGHU. H.S., M.Sc., N.E.T., Ph.D., PGDHRM**

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### **EDUCATIONAL QUALIFICATION:**

<b>Ph.D -Biochemistry</b>	2016	Kuvempu University	
<b>M.Sc. (Biochemistry)</b>	2005	Kuvempu University	69%
<b>B.Sc. (Biochemistry)</b>	2003	Kuvempu University	72 %
<b>CSIR -UGC NET</b>	2004		
<b>P.G. Diploma in H.R.M</b>	2009	Kuvempu University	

### **Ph.D RESEARCH TOPIC:**

- ***'Identification and Characterization of Novel Plasma protein Biomarkers of Alcoholism in Human Population.'***

### **PROJECTS CARRIED OUT:**

- Study of extraction and Antimicrobial Activity of '*Phyllanthus emblica*'

### **RESEARCH EXPERIENCE:**

- Guided **more than 30 post graduate students** for their project work.
- Currently working on Enzyme technology, Nanobiotechnology, **Bioremediation (Dye degradation) of textile dyes using microorganisms**

### **TEACHING EXPERIENCE:**

- Working as Lecturer in Dept. of P. G Studies and Research in Biochemistry, Kuvempu University, Shankaraghatta since August 2005 (**19 years of teaching experience for M.Sc Biochemistry students**).

### **EDITORIAL BOARD MEMBER OF JOURNAL:**

- **Pharmaceutical Sciences & Analytical Research Journal (PSARJ)**

### **REVIEWER FOR JOURNALS:**

- **1. Turkish journal of zoology**
- **2. European Journal of Medicinal Plants**
- **3. South Asian Research Journal of Natural Products**

### **ADMINISTRATIVE AND ACADEMIC EXPERIENCE:**

- **Member of admission committee** for M.Sc Biochemistry involving application scrutiny, selection list announcement and admission of selected candidates.
- **Member of Organizing Committee** of National seminars/conferences organized by Department of Biochemistry, Kuvempu University.

### **CONFERENCES AND SEMINARS ATTENDED:**

- **Paper presented in 5 international conferences (with 1 best paper award) and 2 national conferences.**
- Attended 1 international conference and 20 national level seminar/symposium/conferences.
- **Secured second prize for best research topic in World science day** organized by department of Biochemistry, Kuvempu University.

### **PAPER PUBLISHED:**

1. **Raghu H S** and Ravindra P, Antimicrobial activity and Phytochemical study of *phyllanthus emblica* Linn, IJPSR/Vol. I/ Issue I/July-September,2010/Pg.30-33.

2. **Raghu S. Holalkere** and Rajeshwara N. Achur. Five year trend analysis of patients admitted to Mcgann hospital in Shimoga district, Karnataka: a retrospective study. *World journal of pharmacy and pharmaceutical sciences*, 2014: 3(10), 1106-09. **(SJIF impact factor-6.647)**
3. **Raghu S. Holalkere**, Preethi Shanbhag, Ashok Pai and Rajeshwara N. Achur. A clinical profile of alcoholic subjects in south western Karnataka, India. *The pharma innovation*, 2015: 4(5), 24-27. **(NAAS RATING: 5.23) (Impact factor-1.6)**
4. **HS Raghu**, NA Rajeshwara. Immobilization of  $\alpha$ -Amylase (1, 4- $\alpha$ -D-Glucanglucanohydrolase) by calcium alginate encapsulation. *International Food Research Journal*, 2015. **(Impact factor-0.92)**
5. **Raghu Holalkere Sriram**, Rajeshwara Achur. Production and consumption of alcoholic beverages with its consequences in India: A short review. *International journal of science and qualitative analysis*, Vol 3, no 2, pp 33-37 ,2018
6. **Raghu H.S**, Raghavendra S. N, Rajeshwara Achur. Isolation and characterization of chitin from Millipede (Spirobolida). *The Journal of Basic and Applied Zoology*. June,2018. **(Impact factor-2.3)**
7. Raghavendra S N, **Raghu H S**, Rajeshwara A N. "Antifungal Activity Of Carbendazim-conjugated Silver Nanoparticles Against Anthracnose Disease Caused By Colletotrichum Gloeosporioides In Mango". *Journal of Plant Pathology*. July, 2019. **(Impact factor-2.493)**
8. Raghavendra S N, **Raghu H S**, Divyashree K, Rajeshwara A N. Antifungal efficiency of copper oxychloride (coc) conjugated silver nanoparticles against *Colletotrichum gloeosporioides* which causes anthracnose disease. *AJPCR*, July,2019,vol 12, issue 8, pp230-233. **(Impact factor-0.4)**.

9. Raghavendra S N, **Raghu H S**, Chaihtra C, Rajeshwara A N. Potency of Mancozeb Conjugated Silver Nanoparticles Synthesized from Goat, Cow and Buffalo Urine samples against *Colletotrichum gloeosporioides* Causing Anthracnose Disease. *Nature, Environment and Pollution Technology*, 2019. **(Impact factor-1.2).**
10. Arjumand Banu S.S, Neethu Patil, B. Anantha Nag, Raghavendra S.N., **Raghu. H.S.** and E.T. Puttaiah. Efficiency of Farm Yard Manure, Poultry Manure and Fertilizer-NPK on the Growth Parameters of French Bean (*Phaseolus vulgaris*) in Shimoga, Karnataka. *ECOLOGY, ENVIRONMENT AND CONSERVATION*.(Accepted 2021). **(Impact factor- 0.34).**
11. B. Anantha Nag, Neethu Patil, Arjumand Banu S.S. Raghavendra S.N., **Raghu H.S.** and E.T. Puttaiah. Ecology of Biofuel Yielding Plant with Special Reference to *Jatropha curcas* in Shimoga Dist, Karnataka, India. *Pollution Research*, 2021 (3).(Accepted). **(Impact factor-0.33)**
12. **Raghu H. S**, Raghavendra S. N, Malini B. P, Chaitra C, Ananth Nag.B, Arjumand Banu S. S, A.N. Rajeshwara, S. E. Neelagunad. Synthesis Of Silver Nanoparticles From Goat Urine (*Ajamuthra*) And Their Antifungal Efficacy Against *Colletotrichum Gloeosporioides*. *Pollution Research*, 2020 (3). **(Impact factor-0.34)**
13. Malini BP, **Raghu HS**, Raghavendra SN and Rajeshwara Achur Green synthesis of Linezolid conjugated silver nanoparticles from *Clerodendrum chinense* extract, a medicinal plant and their antimicrobial effect on MDR bacteria, *IJPRA*, Volume 9, Issue 1 Jan-Feb 2024, pp: 1673-1681

14. B. Anantha Nag, Neethu Patil , Arjumand Banu. S.S , Prashanth Kumar.C.S, **Raghu H.S** & Raghavendra S.N. Fluoride water contamination in Arasikere Taluk, Hassan District, Karnataka, India. Afr. J. Bio. Sci, 6 (13), 2024. 3342-3349. (**Scopus Indexed**)
15. B. Anantha Nag, Arjumand Banu. S.S, Rakesh Naik.A.C, **Raghu H.S**, Raghavendra S.N. Effect of fluoride contamination in public drinking water sources in villages of Arasikere taluk, Hassan district, Karnataka, India, ANVESAK, 2024 (**UGC Care Group 1 Journal**)
16. Malini BP, **Raghu HS**, Raghavendra SN, Rajeshwara Achur. Synthesis of clindamycin conjugated silver nanoparticles using *Plumbago Zeylanica* stem extract and their antibacterial effect against multidrug resistant pathogenic bacteria. International Journal of Botany Studies, Volume 9, Issue 8, 2024, Page No. 24-30. (**UGC Care listed**)
17. Malini BP, **Raghu HS**, Raghavendra SN and Rajeshwara Achur. Synthesis of Streptomycin conjugated silver nanoparticles using *Azadirachta indica* (neem) leaf extract and their antimicrobial potency of against multidrug resistant *Staphylococcus aureus* RJPT. 18(2), 2025, 476-480. (**Scopus Indexed**)
18. Malini Bhadravathi Puttaraju, Raghu Holalkere Sriram, Raghavendra Shimoga Nagaraju, Rajeshwara Achur. Synthesis and characterization of linezolid conjugated silver nanoparticles using *Thespesia Populnea* leaf extract and evaluation of antibacterial efficacy against MDR pathogens: A novel method against MDR bacteria. Nanomed J. 12(2): 335-

343, Spring 2025. 10.22038/NMJ.2025.79195.1948 .  
(Scopus Indexed, Impact factor 1.4)

19. **Raghu S Holalkere**, Somashekar L, Nazar basha and Rajeshwara N Achur. Identification of potential plasma protein biomarkers of alcoholism in human blood sample. (Communicated)

- **Google scholar ---Citations -----96**
- h- index----- 04**
- i10 - index ---04**

#### **TECHNIQUES VERSED WITH**

- Separation of serum proteins by 2 D-gel electrophoresis.
- Analysis of MALDI-TOF data using data base.
- Extraction and isolation of compounds from plants
- Evaluation of compounds for different pharmacological significance
- Utilization of Chromatographic techniques such as TLC and column chromatography
- PC Based Double Beam Spectrophotometer
- Electrophoresis
- Microbiological Techniques
- Cytotoxicity and Genotoxicity tests
- Clinical biochemistry tests
- Sound knowledge of theoretical aspects of instruments as HPLC, GLC, UV Spectrometer.
- Handling immunological kits like ELISA, WIDAL, VDRL.
- Extraction of RNA, DNA and Plasmid DNA.

#### **PERSONAL DETAILS**

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**References:**

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