

G. BHARATH

69 C/2, Kamalalayam,
Sarguru School Road, Mount pleasant,
Coonoor, The Nilgiris- 643102
Mobile No: +91 9047976171
Email id: bharathganesh.m@gmail.com

**CAREER OBJECTIVE**

Seeking a challenging position to employ my skills, abilities and experience that offers a professional growth with opportunity for challenges and career advancement, with gaining new skills and expertise.

PROFESSIONAL EXPERIENCE AND CORE COMPETENCIES

January' 2017 – May 2019 with K.S. Rangasamy College of Technology,

Tiruchengode as Assistant Professor in the Department of Food Technology (6.4 years) Responsibilities:

- **Class advisor** for the Second and Third year students of Food technology Department.
- Handled **Food Biochemistry, Food Fermentation technology, Nutrition and Healthy life** and **Food Safety and Quality Control**.
- Handled Laboratory courses such as **Biochemistry Laboratory, Chemical engineering Laboratory,** and **Biochemical Engineering laboratory**.
- Responsible for the **preparation of syllabus** for third and final year courses.
- **Project Coordinator** for the department of food technology, responsible for the **implementation of mini-projects** from second year until final year in the department.
- Held the position of **Placement coordinator** of the department and responsible for implementing **placement training and core competencies** to the students.
- Key member of the team for the **preparation of proposal, grant and establishment of Food testing laboratory** from Ministry of Food Processing Industries at KSR institutions, Tiruchengode.
- Held the position of **NAAC coordinator** in the department and was responsible for the maintenance of documents and compliance to the NAAC committee inspections.
- Responsible for the preparation of **DBT Star college scheme proposal** for the grant of the scheme for the department of Food Technology.
- Held the position of **Autonomous Examination Coordinator** and was responsible for the conduction of semester examinations at K.S. Rangasamy College of Technology

August' 2015 – December 2016 with I.B.S. Tea Plantations Pvt. Ltd., Kattabettu as Quality Controller (1.4 years)

Responsibilities:

- **Analyzing Tea leaves** received from various tea collection sheds and separating based on the tea grade.
- Checking the **quality of tea dust** from the final production before packaging.

TECHNICAL SKILLS AND SOFTWARES KNOWN

- Preparation of Technical documents such as Audit compliance report, Validation protocols, SOP's and other QMS related reports.
- Operation and Troubleshooting of issues related to Industrial fermenters, SAT, DAT and DHS.
- Profound experience with PCR, Lab scale fermenters and other analytical devices.
- Good knowledge in trouble shooting and calibration of basic laboratory instruments.
- MATLAB, ANSYS and Artificial Neural Networks.

STRENGTHS TO SPECIFY

- Result oriented with the ability to drive a team with resilience.
- Excellent interpersonal skills with the ability to work with cross-functional teams.
- Strong problem solving and trouble shooting skills.
- Interest to learn and adapt to latest techniques.
- Well-developed written and verbal communication.
- Warm and cooperative.
- Creative, Energetic and Versatile.

EDUCATIONAL CREDENTIALS

- **Ph.D. in Biotechnology** (Pursuing)
Anna University, Chennai.
- **M.Tech. in Biotechnology – 2015** (7.72 CGPA)
Department of Biotechnology, K.S.Rangasamy College of Technology (Autonomous), Namakkal, Tamil Nadu.
- **B.Tech. in Biotechnology – 2013** (6.69 CGPA)
Department of Biotechnology, K.S.Rangasamy College of Technology (Autonomous), Namakkal, Tamil Nadu.
- **Higher Secondary School Leaving Certificate – 2009** (63.33%)
St. Josephs' Anglo Indian Boys Higher Secondary School, Coonoor, Tamil Nadu.
- **Secondary School Leaving Certificate – 2007** (71.81%)
Timbre Tops Matriculation School, Coonoor, Tamil Nadu.

REVIEWER IN JOURNALS

- Sustainable Materials and Technologies, Elsevier.
- Journal of Advances in Microbiology
- Asian Journal of Environment and Ecology.
- Journal of Advances in Biology and Biotechnology.
- International Journal of Plant and Soil Science.
- Asian Journal of Applied Chemistry Research.
- Journal of Global Ecology and Environment.

PROGRAMMES ORGANISED

- Organized a oneday **DBT Star college Scheme sponsored** seminar **entitled "Food Safety and Quality Control"** on March 5th 2019.
- Organized a **DBT Star college Scheme sponsored** Student Technical Symposium on March 19th 2019.
- Conducted student Technical Symposium for the academic year 2017 – 2018.

INVITED SPEECHES

- **G. Bharath**, "Evolving Connexionist System (ECoS) scheme for early clot detection in coronary arteries", 2015 Computational Fluid Dynamic Application in Biotechnology Processes at K. S. Rangasamy College of Technology, 18 and 19 August.

BOOK CHAPTER

- **Bharath Ganesan**. "Aspergillus Secretome: An Overview", New and Future developments in Microbial Biotechnology and Bioengineering Aspergillus system properties and Applications, Edited by Vijai Kumar Gupta, Elsevier, 2016, pp. 69 – 77.

PROJECT WORK

B. Tech Projects:

Biosorption Studies and Kinetics on Textile effluent treatment using packed bed reactor.

Key Features of research:

- Developing an effective bio system for textile effluent treatment.
- Harboring biomass and its analysis of efficacy along with coir for treating textile effluent.
- Reactor designing and analysis of scaling up of the process.
- Original publication of the study in Journal of Bioremediation and Biodegradation (2014)
- An Indian patent filed for the reactor design (2013).

Studies on bioleaching of Galena using NCIM5371.

Key Features of research:

- Analysis of bioleaching efficacy of the strain NCIM5371.
- Quantifying the Amount of lead leached from Galena ore.

PUBLICATIONS

Google scholar

INJ

NJ

Book chapter

Citations = 18
h-index = 02

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A comparative study on bioleaching of Nickel and Chromium by *Acidithiobacillus ferroxidans* from Electroplating Industrial Contaminated soil.

Key Features of research:

- Analysis of bioleaching efficacy of the strain *Acidithiobacillus ferroxidans*.
- Estimation and analysis of various metals in the soil.
- Comparison of bioleaching efficacy of the strain on Nickel and Chromium metals in soil.

M. Tech Project

Evolving Connectionist System (ECoS) scheme for early clot detection in coronary arteries.

Key Features of research:

- Simulation of Coronary artery and plaque deposition by ANSYS for the prediction of atherosclerosis using blood pressure.
- Developing a self-evolving prediction system using the simulated values.
- A review publication on the topic in International Journal of Science and research (2014).

ACTIVITIES AND ACHIEVEMENTS

- **President of Press and Media** club organized awareness program for schoolchildren at Department of Biotechnology during the academic year 2014-2015.
 - The **Student Editor in chief** for the in-house Magazine Biozoom during the academic year 2013-2014.
 - The **President of Neomutants association** in Department of Biotechnology for the academic year 2012-2013.
 - Attended five national level Workshops.
 - Attended three International Conferences, nine National Conferences and twelve National level symposium in various institutions.
 - Participated in Voice for BT an Intercollegiate Public speaking Competition on Biotechnology held on February 22, 2013.
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Place: Coonoor

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