

RAKAVI C S

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CAREER OBJECTIVE

To become an eminent professional in the field of biotechnology and be a part of progressive organization that gives a scope to enhance my knowledge and utilizes my skills towards the growth of the organization.

EDUCATIONAL QUALIFICATIONS

- **Master of Technology in Biotechnology**, (2018-2020) with the CGPA of 8.52 (First Class with distinction).
St. Joseph's College of Engineering (Affiliated to Anna University), Chennai.
- **Bachelor of Technology in Biotechnology**, (2011-2015) with the CGPA of 6.965.
SRM University, Kattankulathur.
- **H.S.C** (State Board), 2011 with aggregate of 75%
St. Patrick's Anglo Indian Higher Secondary School, Chennai.
- **S.S.L.C** (Anglo Indian), 2009 with aggregate of 79.4%
St. Patrick's Anglo Indian Higher Secondary School, Chennai.

TECHNICAL SKILLS

Molecular Techniques

- Isolation of DNA, RNA, Protein from various sources and quantifying it.
- PCR, cDNA synthesis, RT-PCR.
- Gel electrophoresis.
- Gel extraction.
- SDS-PAGE, Western blotting, Southern blotting.
- Direct ELISA, Sandwich ELISA.
- Separation of mononuclear cells.
- Blood smear identification of leucocytes.
- Reagents and buffer preparation pertaining to techniques

Analytical Techniques

- Chromatography: Thin-layer Chromatography (TLC), Gel filtration, Column, Affinity, Ion exchange, HPLC.
- Spectrophotometry.
- Ultrasonication.
- Filtration: microfiltration, ultrafiltration.
- Centrifugation.

In-vitro animal cell culture techniques

- Media preparation.
- Culturing of animal cells.
- Passaging and cryopreservation of cells.

In-vivo techniques

- Good knowledge in Handling of Laboratory Animals.
- Good knowledge in Routes of immunization.
- Good knowledge in Methods of bleeding.

COMPUTER SKILLS

- Good working knowledge of internet applications, MS Word, MS Excel.
- Basic language of C, C++.

INSTRUMENTATION HANDLED

PCR machine, UV-Spectrophotometer, Incubators, Hot air oven, Deep freezer, Centrifuge, Refrigerated centrifuge, Freeze dryer, Autoclave, French Press, Microscope, Gel doc, Inverted Phase Contrast microscope, CO₂ incubator.

AREA OF INTEREST

- BioPharmaceutical Technology.
- Molecular Biology.
- Microbiology.
- Environmental Biotechnology.

TRAININGS

- Undergone implant training in C.L.Baid Metha College of Pharmacy, Thoraipakkam during March'19.
- Undergone implant training in Cancer Institute, Adyar during June'13.
- Undergone implant training in CSIR-Central Leather Research Institute, Adyar during June'14.

PROJECTS

- **Synthesis and characterization of keratin hydrogel from Turkey (*Meleagris gallopavo*) and Chicken (*Gallus gallus domesticus*) feathers and their potential applications**

Description: Postgraduate Academic Project Phase II (*December'19 – May'20*)

Keratin hydrogel was synthesized from turkey and chicken feathers and screened for its antioxidant, antibacterial, biocompatibility and drug release studies. It was found that turkey keratin hydrogel can serve both as a wound dressing and as a drug delivery system.

- **Extraction and characterization of keratin microparticle from Turkey (*Meleagris gallopavo*) and Chicken (*Gallus gallus domesticus*) feathers and their potential applications**

Description: Postgraduate Academic Project Phase I (*June'19 – November'19*)

Keratin microparticle was extracted from turkey and chicken feathers and screened for its anticancer, cytotoxicity, antioxidant, and antibacterial activities. It was found that turkey keratin microparticle have a potential applications such as anti-ageing cream, shampoo and wound healing creams.

- **Isolation and characterization of chitinolytic bacteria and their potential against plant fungal pathogens**

Description: Undergraduate Academic Project (*January'15 – April'15*)

Chitinolytic bacteria was isolated from shrimp waste soil and screened for its antifungal activity. It was found to have a potential application as biocontrol agent for *Fusarium oxysporum*.

CO-CURRICULAR ACTIVITIES

- Presented a paper entitled “Extraction and characterisation of keratin microparticle from poultry waste and their potential biomedical applications” in an International Conference on New Horizons in Biotechnology (2019), Trivandrum.
- Participated in the National Conference on Frontiers in Biotechnology in the year 2012 and 2013 at SRM Institute of Science and Technology, Kattankulathur.

WORK EXPERIENCE

Firstsource Solutions Limited, Chennai.
Senior Customer Service Associate

Jan 2016 – Jul 2018

Responsibilities

- Handling with Technical specifications of medical instruments and helping the hospitals by updating the new specifications.
- Classifying and grouping the medical instrument under the specific categories.
- Handling with vendor master data, purchase data and fixing the sku from the vendor and manufacturer website.
- Analyzing current US market strategies & statistical sales data of health-care medical instruments Siemens, Medline, GE health care, Johnson & Johnson, Baxter International Inc., Abbott Laboratories, Medtronic Inc.

ACHIEVEMENTS

- Received an award for contribution towards success of GHX for Jun’16 and Jun’17.
- Received a Topper award for Apr’17 – Jun’17.
- Received a Q Champ award for Oct’17 – Dec’17.

PERSONAL DOSSIER

- Date of Birth : 4th January 1994
- Linguistic Proficiency : English, Tamil, German (Basic)
- Marital Status : Single

DECLARATION

I hereby declare that the particulars furnished by me are correct and true to the best of my knowledge and belief.

PLACE :

DATE:

(RAKAVI C S)