JANARTHANAN K

BIOTECHNOLOGIST

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EDUCATION

Bannari Amman Insitute of Technology 2021 - 2025

B Tech - Biotechnology

Grade - 8.50 CGPA(Till Sem V)

RKR Gnanodhaya MHSS

HSC - 94..84% 2020 - 2021

SSLC - 95.00% 2018 - 2019

CORE SKILLS

- Microbial techniques
- Phytotherapeutics
- Nanomaterial Fabrication
- Bioinformatic tools

PROGRAMMING LANGUAGES

- C programming
- R programming (Beginner)

SOFT SKILLS

- Team coordination
- Time management skills
- Problem solving
- Communication

ABOUT ME

To harness my academic background and fervor for biotechnology to excel in roles demanding expertise in molecular biology, bioprocessing and Biodata processing. I am committed to contributing my skills and knowledge to pioneering biotechnology projects, with a strong emphasis on innovation and effective problem-solving. Through continuous skill development and staying attuned to industry advancements, I aspire to make a meaningful impact and advance my career within the dynamic field of biotechnology.

INTERNSHIP

OCTOBER-2022

Dynamics Megaceutics I Chennai

During my Internship, I worked in Algal technology and Zebrafish Toxicology where I acquired knowledge about different ways to produce Algae, notably Spirulina on a lab scale and worked on the dissection and maintenance of Zebrafish and breeding techniques.

PROJECTS

- **Title:** Fabrication of Bio-films using Potato Starch (2021)
  Description: This project aims in preparing a degradable Bio-film from the natural polysaccharide Starch. Starch was extracted from Potato and made into a bio-film with the addition of Polyvinyl Alcohol and Citric acid as plasticizer and crosslinker respectively.

- **Title:** Synthesis of Zinc containing Whitlockites (Ongoing)
  Description: The work focuses on chemically synthesizing whitlockite which are used as a dental fillers and is a promising biomaterial for bone tissue engineering and regeneration. They are employed due to its excellent osteogenic properties and Biocompatibility. Conventionally they are extracted from the rocks, which is often toxic to use in the biomedical field.

EXTRA CURRICULAR

- Being a part of Green Eco Organization
- Active Member of Youth Red Cross Society
- Expertise in Silambam Martial art

ADDITIONAL COURSES

- Functional Genomics - NPTEL(2022)
- Wildlife Ecology - NPTEL(2023)
- Data analysis for Biologists - NPTEL(2024)
- Forests and their management - NPTEL(2024)

LANGUAGES

- ENGLISH (R,W,S)
- TAMIL (R,W,S)

CONFERNCES

- International Conference on Biotechnological Trends for a Sustainable Future ICBTSF-2023 (January 2023)
- National Conference on Industrial Perspectives of Biotechnological Research (March 2023)
- National Conference on revolutionary applications of nutraceuticals and functional foods as next-generation metabolites – a Biotechnological approach via sustainable agriculture (September 2023)

ACHIEVEMENT(S)

- Shortlisted for the Second Round of MSME hackathon - 2022
- Finalist - Smart India Hackathon-Grand Finale - 2023
- Cracked GATE Biotechnology - 2024

PATENT

- Formulation of herbal based black dye infused hair oil and methodology thereof. (Published on Nov-6-2023)

DECLARATION

I hereby declare that all the information provided is true and accurate to the best of my knowledge.
I understand that any false statements or misrepresentations may result in the rejection of my application.

Signature

JANARTHANAN K