

NAME : KASTHURI KEERTHANA T
DATE OF BIRTH : 19.09.2000
FATHER'S NAME : TAMILARASAN K
ADDRESS : 62E, Ramasamiyauram 2nd street,
Sankarankovil, Tenkasi District-627756
COLLEGE : Sri Paramakalyani College, Alwarkurchi,
Tenkasi District – 627 412.
COURSE : M.Sc (Microbiology)

OBJECTIVE

Join a dynamic and progressive scientific organization offering ample opportunities of diversified Research ideas where I can apply and enhance my knowledge as well as my skill in the field of Life Science. Have a lot of interest in marine microbiology related research field and have an interest academic field.

ACADEMIC DETAILS

S.NO	NAME OF THE INSTITUTION	NAME OF THE COURSE	YEAR OF PASSING	PERCENTAGE SECURED
1	Sri Paramakalyani College, (Affiliated to Manonmaniam Sundranar University), Alwarkurichi, Tenkasi District.	M.Sc MICROBIOLOGY	MARCH 2022	84.6%
2	The Standard Fireworks Rajaratnam College For Women, (Autonomous) Sivakasi, Virudhunagar District.	B.Sc MICROBIOLOGY	APRIL 2020	66.3%
3	D.V.D Higher Secondary School, Kottar , Nagercoil, Kanyakumari District.	HSC	2017	74%
4	A.V. Higher Secondary School, NGO Colony, Sankarankovil, Tenkasi District.	SSLC	2015	88.6%
5	The Standard Fireworks Rajaratnam College For Women, (Autonomous) Sivakasi, Virudhunagar District.	DMLT – Diploma in Medical Laboratory Technology	2019	72%

CERTIFICATE COURSES:

- Completed certificate course “**VERMI COMPOSTING TECHNOLOGY**” in The Standard Fireworks Rajaratnam College for women, Sivakasi.
- Completed certificate course in “**QUALITY CONTROL AND QUALITY ASSURANCE**”.

PRACTICAL EXPERIENCE

Techniques in Biotechnology & Molecular biology:

- Preparation of buffers and Media
- Isolation of chromosomal and Plasmid DNA, AGE, SDS-PAGE, & PCR.
- Restriction digestion
- Transformation

Techniques in Microbiology:

- Microscopy & staining
- Preparation and formulation Media
- Plating and Polyphasic characterisation of Microorganisms
- Sterilisation and disinfection
- Maintenance of microbial culture
- Identification and Isolation of microbes from Extreme environment

Techniques in Marine Microbiology:

- Identification and characterization and production of osmolytes
- Characterization and production of PHA from Microorganism.

Techniques in Clinical Microbiology:

- Quantification of Blood biochemical constituents.

Instruments handled:

- UV-Spectrophotometer
- Compound Microscope
- Centrifuge
- Autoclave

FIELD OF INTERESTS

- Marine microbiology
- Antimicrobial resistance
- Food , pharma and Dairy Industries
- Medical Microbiology
- Microbial fermentation technology
- Academic Institution

PERSONAL SKILLS

- Good communication in English
- Presentation ability
- Teaching skills
- Self-motivation
- Leadership.
- Problem-solving

SKILLS AND TRAITS

- Quick learner and easygoing
- Cooperative and diligent
- Flexible to travel and relocate
- Creative thoughts in drawing and crafts works

COMPUTER SKILLS

- Microsoft Word, Excel, PowerPoint
- Completed many projects in Google docs, Google slides, etc.
- Appreciable Knowledge on Online databases for Microbiology
- Have knowledge in Photoshop, video editing and creating.

SEMINARS, WEBINARS AND WORKSHOP PARTICIPATED

- Attended workshops and seminar conducted by Department of English in SFRC, Sivakasi.
- Attended workshop about “**Acupuncture and Basic Health Science**” in SFRC, Sivakasi.
- Participated in the online mode **Impact Lecture Series by Institution’s Innovation** held at Noorul Islam College of Arts and Science, Kumaracoil.
- Attended the International FEMS Microbiology Ecology Webinars on **Approaches, Methods and Challenges in Microbiome Research** by Federation of European Microbiological Societies.

- Attended International Webinar on **“How to stay motivated as a research scientist in the present world”** by Department of Microbiology, SFRC, Sivakasi.
- Participated in **International e- conference on “Recent Advances in Biological Sciences & oppourtunities in Entrepreneurship”** at School in Biotechnology,pt. Ravishankar Shukla University , Rajpur , India.

DISSERTATIONS COMPLETED:

- Completed TNSCST Student project titled as **“ EVALUATION OF PHOTOBACTERIUM SP FROM COASTAL REGION OF CAPECOMORIN OF TAMILNADU FOR THE PRODUCTION OF POLY HYDROXYALKANATES AS ALTERNATE BIOPOLYMER”**
- Completed PG individual project titled as **“PRELIMINARY EVALUATION OF MARINE BACTERIAL EXTREMOLYTE AS A SOURCE OF NOVEL ANTICANCER ACTIVITY”**.

GRANTS APPLIED AND FUNDED:

- Applied for Tamil Nadu state council for science and technology student funding program for a budget of about Ten thousand rupees.
- Fund granted for the TNSCST project titled as **“EVALUATION OF PHOTOBACTERIUM SP FROM COASTAL REGION OF CAPECOMORIN OF TAMILNADU FOR THE PRODUCTION OF POLY HYDROXYALKANATES AS ALTERNATE BIOPOLYMER”** for a budget of Seven Thousand Five hundred rupees.

COMPETITIONS AND CERTIFICATIONS:

- Won prizes in State level and Distict level YOGA competitions held by Tamilnadu State YOGA Sports Development Association.
- Won prizes and participated in State level, District level and School level SPEECH COMPETITIONS Organized by Government and Private organizations
- Won first prize in Essay writing in **“ All India Essay Competition in Tamil”** organized by Sri Ramchandara Mission in Collaboration with United Nations Information Center for India and Bhutan (UNIC).
- Won prizes in MICROCOSM ASSOCIATION in Department of Microbiology in SFRC, Sivakasi.
- Won 1ST prize in MICROFEST 2022 – Poster Presentation on the topic of BIOPLASTIC in K.R. College of arts and science, Kovilpatti.

- Participated and Nobel Awarded in THE WORLD LARGEST HUMAN TREE FORMATION organized by The Standard Fireworks Rajaratnam College for women, Sivakasi, Tamilnadu, India.
- YWED Certificate course on THE CUSHINES OF INDIA conducted by Young Women Entrepreneurship Development Centre of SFRC, Sivakasi.

INTERNSHIP:

- Attended Internship in GOVERNMENT HOSPITAL, Sivakasi, Virudhunagar District.

EXPERIENCE:

- Worked as Research Assistant in SSN College of Engineering, Chennai.

STRENGTH:

- Willingness to take challenge,
- Self-motivation
- Hard work
- Boldness

HOBBIES:

- Gardening
- Drawing
- Crafting
- Clay modelling
- Cooking
- Surfing
- Novel reading in Tamil and English

REFERENCE:

Dr. P. Senthil Kumar
Associate Professor,
Centre for Pollution Control and Environmental Engineering,
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CONTACT DETAILS:

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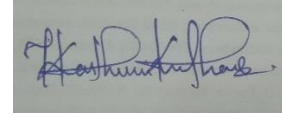
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DECLARATION:

I hereby declare that the above furnished information is true to the best of my knowledge and that I will be held responsible for any deviation from them at a later stage.

Place: Tenkasi



T KASTHURI KEERTHANA

SIGNATURE