

## Personal Information



Name : K. Abarna  
Father's name : M. Krishna Moorthy  
Date of Birth : 16/04/1996  
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## Educational Qualifications

Qualifying examination	Name of School/ University	Specialization	Percentage
X or SSLC	St. Josephs Convent Higher Secondary School	-	96.2%
XII or HSC	Vidhyavikas Girls Higher Secondary School	Maths & Biology	89%
UG Degree	Tamilnadu Dr. J. Jayalalithaa Fisheries University	Bachelor of Fisheries Science	81%
PG Degree	Central Institute of Fisheries Education, Mumbai	Master of Fisheries Science- Aquatic Environment Management	87.2%
Ph.D. Degree	Tamilnadu Dr. J. Jayalalithaa Fisheries University	Aquatic Environment Management	93%

## Thesis

PG thesis	Phycoremediation of selected commercial textile dyes using <i>Spirulina (Arthospira) platensis</i> and <i>Chlorella vulgaris</i>
Ph.D. thesis	Effect of culture media and environmental factors on growth and lipid accumulation of selected marine microalgal species

## Work experience

Designation	Organization	Duration
Junior Research Fellow	DST-SERB project entitled "Production of Eicosapentaenoic acid (EPA) from marine diatom P	01.03.2021 to 16.09.2022

haeodactylum tricornutum isolated from the coastal waters of Gulf of mannar”

Assistant Professor (contractual ) Tamilnadu Dr. J. Jayalalithaa Fisheries University 18.08.2023 to 09.01.2025

### ICAR ASRB- NET Examination

Exam	Subject	Year of pass
ICAR ASRB	Fisheries Resource Management	2020

### Awards

a) University award- TNJFU **Gold Medal** for securing **University first rank in Ph.D.**

### Research Publications

	Authors	Title	Journal & Naas Score
1	Rani V., Deepika S., Abarna K., Uma A	Isolation, identification and optimization of growth conditions for the marine microalgae isolated from the Gulf of Mannar, South-east coast of India	Regional studies in marine science (8.17)
2	Abarna Krishna Moorthy , et al., 2021	Acute toxicity of textile dye Methylene blue on growth and metabolism of selected freshwater microalgae	Environmental toxicology and pharmacology (11.79)
3	Abarna Krishna Moorthy, et al., 2022	Application of Microalgal Physiological Response as Biomarker for Evaluating the Toxicity of the Textile Dye Alizarin Red S	Bulletin of environmental contamination and toxicology 8.81
4	Krishna Moorthy Abarna, et al., 2022	Effect of seaweed-based liquid extracts on biomass production and lipid accumulation in <i>Nannochloropsis oculata</i> and <i>Dunaliella salina</i>	Turkish journal of botany (7.43)
5	Abarna Krishna Moorthy , et al., 2022	Potential of enzymatically hydrolysed seaweed products as cost-effective nutrient media for growth and lipid enhancement in the marine microalga <i>Nannochloropsis salina</i>	Indian Journal of fisheries (6.59)
6	Natarajan Manimozhi, Rani V, Sudhan C, Manimekalai D, Shalini R, Krishna Moorthy Abarna	Spatiotemporal occurrence, distribution and characterization of microplastics in salt pans of the coastal region of the Gulf of mannar, Southeast coast of India	Regional studies in marine science (8.17)

### Popular article publications

Sl. No	Authors	Year	Title	Magazine
1	Abarna Krishna Moorthy, Dr V. Rani and Dr Rathi Bhuvanewari Govindarajan	May 2021	Plastic Eating Bacteria-A solution to plastic pollution ???	Aqua International
2	K. Abarna, V. Rani, N. Manmozhi	Sept 2021	Bioactive Substances From Soft Corals	Aqua Star
3	K. Abarna and Dr V. Rani	August 2021	AQUATIC ORGANISMS AS BIOINDICATORS	Aqua Star
4	K. Abarna, V. Rani	March 2021	Ocean Acidification And Its Impact On Marine Ecosystem	Aqua International
5	K. Abarna , V. Rani and N. Manimozhi	Septem ber 2021	Single Cell Protein - An Alternative Microbial Protein Source	Biotica Research Today

### Professional Details

Organization Name	Duration	Details of Training
Centre of Advanced Study In Marine Biology, Annamalai University, Parangipettai	10-10-2018 to 24-10-2018	Hands on training on High Performance Liquid Chromatography (HPLC) and Liquid Chromatography Mass Spectrometry (LC-MS)
Department of Environmental Biotechnology, Bharathidasan University, Tiruchirapalli	25-10-2018 to 30-10-2018	Hands on training on Gas Chromatography Mass Spectrometry (GC- MS)
Integrated Coastal and Marine Area Mangement Project Directorate, Chennai	28-11-2016 to 02-12-2016	Training on "Applications of Remote Sensing and GIS in Fisheries and Coastal Zone Mangement"