

# NAHALA MAHEEN N. M.

## BIOTECHNOLOGY

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## CAREER OBJECTIVE

"Seeking an innovative and challenging career in a professionally managed and dynamic organization, which provides ample opportunities of great responsibilities to cater and contribute to the development of organization".

## PROJECTS

Characterization and evaluation of anticancerous property of stingless bee (*Tetragonula travancorica*) honey on breast and cervical cancer cell lines (**Major Project**)

📅 Oct 2020 - July 2021

📍 Thiruvananthapuram

The study reveals the antioxidant, antiproliferative and anticancer potential of the honey from a new species (*Tetragonula travancorica*) identified from south region of Kerala, India.

Investigation of anti-tumor and anti-metastatic activity of Lauric acid using *in-vitro* and *in-vivo* models

📅 Mar 2019 - Aug 2019

📍 Thrissur

This experiment revealed the anti- metastatic and anti-tumor activity of Lauric acid isolated from virgin coconut oil. The metastatic murine melanoma B16F10 was injected to C57BL/6 mice tail vein.

## INTERNSHIP EXPERIENCE

### Amala Cancer Research Centre

📅 Mar 2019 - Aug 2019

📍 Thrissur, India

Hands on training on animal cell culture and animal handling

### DRP Molecules PVT LMT

📅 Aug 2018

📍 Ernakulam, India

Hands on training on microbiology and molecular biology techniques

## ACHIEVEMENTS

- 🏆 Distinction in Highfield Level 4 Award in Food safety management for manufacturing (RQF)-2022 recognized by Highfield International, Ofqual Regulation (England), CCEA (Council for the Curriculum, Examinations & Assessment) and Qualifications Wales (CYMWSTRAU CYMRU).

## EDUCATION

**B.Sc.-M.Sc. (Integrated) Biotechnology**  
**Kerala Agricultural University**

📅 Sep 2016 - Jan 2022

📍 College of Agriculture, Thiruvananthapuram, Kerala, India

- Overall CGPA 8.16 out of 10 (10 semesters)

## PUBLICATIONS

Under review- Characterization and evaluation of anticancerous property of stingless bee (*Tetragonula travancorica*) honey on breast and cervical cancer cell lines submitted to **Natural Product Research**

## SKILLS

- DNA and RNA isolation from animal, microbial and plant cells
- Protein Isolation from animal and plant cells
- PCR
- ELISA
- Western Blotting
- PAGE and Agarose Gel Electrophoresis
- Techniques for Microbial characterization
- Chromatographic techniques
- Enzyme Immobilization (Sodiumalginate beads)
- Micropropagation /Tissue Culture
- Explants mediated Plant transformation
- Immunodiffusion and Immunoelectrophoresis
- Animal cell culture and cell culture maintenance
- Rodents handling
- Lung metastasis induction

## REFERENCE

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Available upon request.

- 🏆 Distinction in Highfield Level 3 Award in Hazard Analysis and Critical Control Point (HACCP) for Food Manufacturing (RQF)-2022 recognized by Highfield International, Ofqual Regulation (England), CCEA (Council for the Curriculum, Examinations & Assessment) and Qualifications Wales (CYMWYSTERAU CYMRU).
- 🏆 Secured BEST ORAL PRESENTATION AWARD during the Asia - Pacific Conference on Beekeeping for Sustainable Agriculture, Ecosystem services and Rural Livelihoods (BEE 2022)
- 🏆 Qualified GATE (Graduate Aptitude Test in Engineering)- 2022
- 🏆 Co-Convener of two day national symposium "INSPIRO - 2020, Be a solution" at College of Agriculture, Vellayani, Thiruvananthapuram on 15<sup>th</sup> and 16<sup>th</sup> January 2020

## WORK EXPERIENCE

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### KM Fisheries

📅 Aug 2022 - Jan 2023

📍 Thrissur, India

Worked as a Supervisor in processing and exporting frozen marine products company (Cuttle fish, squid, octopus, ribbon fish etc.)

### SEA SAGA ENTERPRISES PVT LTD

📅 Apr 2022 - Jul 2022

📍 Navi Mumbai, India

Worked as Quality Controller in frozen seafood processing and exporting company (Shrimps, fishes and cephalopods)

### College of Agriculture

📅 Feb 2022 - Apr 2022

📍 Thiruvananthapuram, India

Skilled Assistant on "Identification of molecular markers and QTLs linked to nutritional and functional properties of specialty land races of rice (*Oryza sativa* L)"; Agriculture Development and Farmers Welfare Department Annual Plan Project 2021-2022

## LANGUAGES

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English	●●●●
Malayalam	●●●●
Hindi	●●●

## PERSONAL DETAILS

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Date of Birth : 03-03-1998

Gender : Female

Nationality : Indian

Marital Status : Married