



ARATHY KRISHNA A.S

arathykrishna90@gmail.com ● Nemom, Trivandrum, Kerala

● mob:8089912160

MASTER OF SCIENCE IN BIOTECHNOLOGY

Certifications

Masters degree in Biotechnology
(Mahatma Gandhi University, Kerala - India 2010 – 2012)

Bachelors degree in Biotechnology
(Manonmaniam Sudarnar University, Tamil Nadu India) 2007 - 2010

Scholarship

Aspire Scholarship
(Sponsor-MG University, Kerala)

Computer skills

HOLD AN EXPERTISE LEVEL IN OPERATING SYSTEMS.

PROFICIENT IN MICROSOFT OFFICE TOOLS.

Key Skills

Energetic and enthusiastic
Project feasibility understanding

Fine interpersonal and presentation skills

Strong organizational and planning skills

Pro-active strategic thinking

Dynamic, Adaptable & Excellent Team player

Quick learner in different technical field

Objective

To be a part of an organization and utilize my skills and resources to enhance and develop a better future along with building my career. To work as a key player in creative and challenging environment with utmost commitment and dedication for achieving great heights.

Summary

After obtaining first relevant education in BIOTECHNOLOGY, I am now ready to take on new responsibilities for further professional career.

My key strengths include strong analytical and logical skills, an eye for detail, communication and interpersonal skills.

I enjoy working in a team and help others progress. At the same time I work well independently.

As a highly motivated and driven individual I strive on taking up challenges.

Synopsis

- Successfully completed training under **Dr. Priya Srinivas**(Scientist E, RGCB, Trivandrum), on topic "**Cytotoxic Evaluation of 1,4 Naphthaquinone on Androgen Receptor Negative Prostate Cancer** "
- Successfully completed project on "**Effect of Abiotic Elicitors for the Invitro Production of Secondary Metabolites from Anti Asthmatic Plant *Adathoda vasica***".
- Have good analytical and problem solving skills.
- A key planner and strategist with the ability to manage projects with perfection.

CORE SUBJECTS STUDIED

MAIN- BIOTECHNOLOGY

SUB- Microbiology, Biochemistry, Molecular Biology, Biophysics, Genetics, Enzymology, Immunology, Agriculture, Medicine and Industrial biotechnology.

LAB EQUIPMENTS HANDLED:

AUTOClave, HOT AIR OVEN, LAMINAR AIR FLOW, CHROMATOGRAPHY, PCR, INCUBATOR, FACS (FLUORESCENT ACTIVATED CELL SORTING), SPECTROPHOTOMETER, CENTRIFUGE, ELECTROPHORESIS, MICROSCOPES AND OTHER LABORATORY EQUIPMENTS, MTT ASSAY

Professional Trainings

- ☐ Four months training under Dr. Priya Srinivas(Scientist E, Molecular Therapeutics Unit) at Rajiv Gandhi Centre for Biotechnology (RGCB), Trivandrum, Kerala, India
- ☐ Six months training under **DR.S.Sadeeshna kumarai**, Malankara Catholic College, Mariagiri, Kaliakavilai, Tamil Nadu, India

Areas of Interest

Education

Biotechnology & instrumentation

Water Treatment

Industrial microbiology

Quality Control & Quality Assurance

Molecular Biology

Food, Drug & Dairy technology

Job

Responsibilities

Teaching

Research Associate

Project Assistant

Technical Assistant

Technical Instructor

Quality Controller

Project Management experiences:

Project # 1

Title: Cytotoxic Evaluation of 1,4 Naphthaquinone on Androgen Receptor Negative Prostate Cancer

Role: Project Trainee

Guide: Dr. Priya Srinivas (Scientist E, Molecular Therapeutics)

Venue: Molecular Therapeutics Unit, Rajiv Gandhi Centre for Biotechnology, Trivandrum, Kerala, India.

Duration: 4 Months

Objective of the Project:

- Study the Effect of ID50 Value of Drug Naphthaquinone on PC3 Cell line.
- FITC-ANNEXIN staining and Determination of Apoptosis.
- Hoechst staining and Conformation of Apoptosis.

Project # 2

Title: Effect of Abiotic Elicitors for the Invitro Production of Secondary Metabolites from Anti-Asthmatic Plant Production *Adathoda vasica*.

Role: Project Trainee

Guide: DR.S.Sadeeshna kumarai

Venue: Biotechnology Lab Malankara Catholic College, Mariagiri, Tamil Nadu, India

Duration: 6 Months.

Objective of the Project:

- To Identify The Pathogenic Organism which cause Asthma
- To Identify the Anti Microbial Activity of *Adathoda vasica* against Asthmatic Pathogen.
- To Study the Effect of Plant Growth Regulators for the Induction of Callus.
- To Study the Effect of Abiotic Elicitors for the improvement of Secondary Metabolites Production.
- To Standardize the Media Composition for the In-vitro Conservation.
- **Idea of the project.**
- **Performed all tests and works including;**
Media preparation, Heat inactivation of FBS, Cell reviving, Cell maintenance, Media change, Subculture /Passaging.
Freezing the mammalian cells (liquid nitrogen).
Cells counting by haemocytometer.
MTT Assay, FITC-ANNEXIN, Hoechst staining,
- **Prepared Table for analysis of result.**
- **Analyzing Test Result and prepared Budget report.**

Personal Profile

Name: **Arathy Krishna**

Gender: **Female**

Nationality: **Indian**

Linguistic Ability:

English

Malayalam

Tamil

Hindi

Activities and Hobbies

- ❖ Active Participant in School Youth Festival.
- ❖ Participated in many social activities with NSS team.
- ❖ Attended Workshops and Seminars on Various life Science related topics .
- ❖ Organizer of department's tour as part of academic curriculum.

Seminars Presented

- ❖ Cytotoxic Evaluation of 1,4 Naphthaquinone on Androgen Receptor Negative Prostate Cancer.
- ❖ Effect of Abiotic Elicitors for the In-vitro Production of Secondary Metabolites from Anti Asthmatic Plant *Adothoda vasica*.

Professional experience

★ Worked as **Science teacher** in Stella Maris Senior Secondary School (**June 2013 -March 2014**).

★ Working as **Faculty** in Rural Self Employment Training Institute, State Bank of Travancore (**June 2014 -at present**).

References

Dr.Indu C Nair
Assistant Professor
Dept.of Biotechnology
SAS SNDP YOGAM College Konni, India
Email:inducnair73@gmail.com

Declaration

I do hereby confirm that the information given in this form is true to the best of my knowledge and belief.

Place: Trivandrum

Arathy Krishna A.S

