

CURRICULUM VITAE

ARCHANA.V

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OBJECTIVE:

To integrate the professional qualification, skills and work experience in Biology field with my Personal interest for a challenging work ultimately leading to the value additions to the organizational Goals.

EDUCATIONAL QUALIFICATION:

- ✚ **M.Phil in Genetics and Genomics (2013-2014)** from Kerala University with **A Grade**.
- ✚ **M.Sc. Microbiology (2008-2010)** from Nehru Arts & Science College (Bharathiar University), Coimbatore. Microbiology, Biotechnology, Genetics, Medical Microbiology, Immunology, Biostatics, Virology, Food microbiology, Industrial microbiology, Quality assurance of food& pharmaceuticals with **73%**.
- ✚ **B.Sc. Biotechnology (2005-2008)** from St. Xavier's college, Thumba (Kerala University). Biochemistry, Botany, Plant biotechnology, Animal biotechnology, Immunology, Biophysics, Industrial & Environmental biotechnology, Genetics, Genetic engineering with **69%**.
- ✚ **12th (2003-2005)** Kerala Board of Higher secondary Examination (Physics, Chemistry, Mathematics, Biology, Hindi, English) with **64%**.
- ✚ **10th (2003)** Secondary School Leaving Certificate Examination, Kerala (Physics, Chemistry, Biology, History, Geography, Mathematics, English, Malayalam, Hindi) with **62%**.

PROJECTS:

- ✚ **HLL project** “Development of External haemostat” and “Development of Internal haemostat”
- ✚ **M.Phil Dissertation-“Anti-inflammatory and Antioxidant Effect of Flavonoid Fraction of *Ixora coccinea*(L.) in adjuvant induced Rats”.**
- ✚ **M.Sc. Dissertation-“Mutation screening of SMAD3 gene in oral carcinoma using RTPCR-SSCP and sequencing.”**
- ✚ **B.Sc. Dissertation-“Genotypic and Phylogenetic analysis of Hepatitis C Virus; NS3 Gene.”**

TECHNIQUES/ INSTRUMENTS KNOWN:

- + Isolation and identification of Microorganisms.
- + Staining Techniques.
- + Electrophoresis.
- + Cell culture
- + Microbial handling
- + Animal handling
- + Immunology techniques
- + ELISA
- + Phytochemical techniques
- + Chromatography (Thin layer , Paper& colum).
- + Polymerase Chain Reactions (PCR).
- + Mutation Detection techniques- RTPCR-SSCP
- + Lyophilization techniques
- + Magnetic stirrer
- + Mechanical stirrer
- + UV-Visible spectrophotometer
- + Centrifuge
- + Hot air oven
- + Sonicator
- + Autoclave
- + PH meter
- + Viscometer
- + Rotary evaporator
- + Micropipettes
- + Waterbath shaker
- + Orbital shaker

COMPUTER PROFICIENCY:

- ✚ Surfing biological databases.
- ✚ Ms Word.
- ✚ Power point.
- ✚ Excel.
- ✚ Internet.

EXTRACARICULAR ACTIVITIES:

- ✚ Participated in various Quiz competitions.
- ✚ Participated in essay writing, story writing in school and college.

HOBBIES:

- ✚ Gardening.
- ✚ Reading research journals.
- ✚ Listen to music

ADDITIONAL QUALIFICATION:

- Completed 2 month training in Quality Assurance from Quality Assurance Laboratory, Kollam.

EXPERIENCE:

- Six months teaching experience in B N V College of paramedical institution as a Microbiology Tutor.
- Two and half year of teaching experience in St.Xavier's college, Thumba, Trivandrum as a guest Lecturer.
- One year experience as a project fellow in HLL Lifecare Ltd. Akkulam.
- Three years research experience (Ph.Dwork).

PUBLICATIONS:

First author

1. **Fatty acid derivative of Methanol extract of *Oldenlandia corymbosa*:A potential compound against *K.pneumoniae* and MCF cell lines.** *International journal for Research in Applied sciences and Biotechnology.* (May 2020).

2. **Identification of an Antibacterial potential marine *Streptomyces sps* from Sargassum fluitans.** *International journal for Research In Applied sciences and Biotechnology.* (May 2020).

Co-author

3. **Pharmaceutical properties of *Oldenlandia corymbosa* Linn.** *Materials today:Proceedings,Elsevier.* (June2020).
4. **Isolation and characterization of protease from *Bacillus.sps*.** *Materials today:Proceedings,Elsevier.* (June2020).
5. **Light mediated, switchable, antibacterial activity of cerium dioxide nanoparticles on gram positive and gram negative bacteria.** AIP conference Proceedings2287, November2020.
6. **In vitro and In vivo Biocompatibility Evaluation of Freeze Dried Gelatin Haemostat.** *Fibers and Polymers.* March 2021.

PERSONAL PROFILE:

Father's Name : N Babu
Mother's Name : M Vallyamma
Husband's Name : Sajith G S
Date of Birth : 30-05-1988
Nationality : Indian
Permanent Address : Sivasakthi, Manakkattuvilakam, Kallinkara
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DECLARATION

I hereby declare that the information given above is true to the best of my knowledge and belief.

ARCHANA V