

RESUME

ARATHY NADH V

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SUMMARY

An adaptable and enthusiastic person who has developed good skills in **INDUSTRIAL MICROBIOLOGY, BIOCHEMISTRY** and specializing in various aspects of **MICROBIOLOGY** in order to achieve the objectives effectively.

CAREER OBJECTIVE

Expecting a challenging position, which would effectively utilize my skills in microbiology, provide a working environment that would offer resources to enhance my knowledge and help me to contribute towards personal and organizational growth.

STRENGTH

- Well experienced in basic microbiological techniques
- Hard working and dedication towards the work
- Excellent time management and multitasking skills
- Enthusiasm to learn new things

EDUCATIONAL QUALIFICATION

Examination/ Degree	Name of university/Board	Year of passing	Subject specialization	Grade/percentage
Master of science	M.G.University	2016	Microbiology	77.3%
Bachelor of science	Kerala university	2014	Biochemistry and industrial microbiology	86.25%
Higher secondary	Board of higher secondary examination	2011	science	87%
SSLC	Board of public examinations, Kerala	2009		9A ⁺ ,1A

M.Sc. PROJECT

TITLE : Impact of Synthetic Nanoparticles on Environmental Microbes

INSTITUTE : CSIR –NIIST (National Institute of Interdisciplinary Science and Technology), Pappanamkode, Thiruvananthapuram

Description : The Bacteria inhabited in the lake water was isolated in the lab and then checked the growth inhibition of these colonies by the impact of nanoparticles and again confirmed their quorum sensing signal inhibition due to the action of this synthetic nanoparticles, which helps in the control of microbial infections in our environment.

B.SC. PROJECT

TITLE : Estimation of Protein content from Mungbeans by Microkjeldhal Method.

INSTITUTE : Quality Assurance, Kollam, Kerala.

Description : Everybody knows the theoretical standard value for protein content in beans and to confirm the practicability of the standard value and procedure this project have been undertaken and the Microkjeldhal method was used to extract the protein and quantified the content in lab.

CONFERENCES ATTENDED

- National level seminar on “Environment – Its sustainable conservation” held on 4th February, 2015 organized by the department of zoology, Mar Thoma College Tiruvalla.
- National level seminar on “Trends in Health and Life Sciences” held on 20th February, 2015 organized by the department of bioscience, Mar Thoma College, Tiruvalla.

WORKSHOP ATTENDED

- Molecular techniques (DNA isolation, PCR, PAGE and Blotting) hands on training at College of Agriculture, Vellayani, Thiruvananthapuram.

WORK EXPERIENCE

Name of Employer	Period		Designation
	From	To	
National Institute of Virology-Kerala Unit, Alappuzha	July 2020 (07.07.20)	July 2021 (25.07.2021)	Technical Assistant
National Institute of Virology-Kerala Unit, Alappuzha	November 2016 (11.11.2016)	September 2019 (30.09.2019)	Project MTS
National Institute of Interdisciplinary Science and Technology, Pappanamcode.	March 2016 (01.03.2016)	May 2016 (30.05.2016)	Project student

LABORATORY EXPERIENCE

Microbiological experience

- Microbial staining methods and different centrifugation techniques
- Hanging drop technique for demonstrating motility of bacteria
- Characterization of bacteria by using their biochemical activities
- Antibiotic sensitivity test
- Water quality analysis by MPN method
- Water quality analysis by Kit method

Molecularbiology experience

- RNA/DNA isolation
- Conventional PCR
- Gel Electrophoresis

Technical experince

Usage of equipments such as Autoclave, Hot air oven, PH meter, Microscopes, BOD incubators, LAF, Electronic balance, Centrifuge, Shaker, Orbital water bath shaker, Magnetic stirrer, Cyclo mixer, Pippets, Burettts, Pippet pipes, Trans illuminator, PCR machine, Electrophoretic apparatus, Colorimeter, Arc GIS mapping, IBM SPSS etc.

COMPUTER KNOWLEDGE

- MS Office
- Attended 120 hour trining conducted by Kerala State IT Mission(KSITM)

PAPER PUBLICATION

1. R. Balasubramanian, Pragya D. Yadav, S. Sahina, **V. Arathy Nadh**. 2019. Distribution and prevalence of ticks on livestock population in endemic area of Kyasanur forest disease in Western Ghats of Kerala, South India, Journal of Parasitic Disease, <https://doi.org/10.1007/s12639-019-01086-7>.
2. Balasubramanian R, Sahina S, **Arathy Nadh V**, Sreelekha K.P, Nikhil T.L. 2019. The effects of different salinity on larval growth and development of disease vectors of Culex mosquito species (Diptera, Culicidae), Journal of Environmental Biology. Published online.
3. R. Balasubramanian, Pragya D. Yadav, S. Sahina, **V. Arathy Nadh**. 2020 The Species distribution of ticks and the prevalence of Kyasanur Forest Disease Virus in questing nymphal ticks from Western Ghats of Kerala, South India. Indian Journal of Medical Research (IJMR) (Paper Accepted)

Souvenir:

4. Dr. R. Balasubramanian, **Arathy Nadh V**, Sahina S, 2019. *Aedes spp.* mosquito density and the risk of dengue virus transmission, Emerging viral infectious diseases. Eds; Mallika, R., Jeya, J., jeyasinga V. VVV College Publishers, PP: 1-8.

ABSTRACT PUBLISHED IN CONFERENCE

1. R. Balasubramanian, Sahina S, **Arathy Nadh V**, Thanzy Salam, 2017. Salinity tolerant larvae of mosquitoes in the coast of Alappuzha district, Kerala and the effect of salinity on development of Japanese Encephalitis Virus vector; Vector borne diseases and formidable challenges, at Department of Zoology, Ayya Nadar Janakiammal College, Sivakasi.
2. R. Balasubramanian, **Arathy Nadh V**, Sahina S, 2019. *Aedes spp.* mosquito density and the risk of dengue virus transmission, Emerging viral infectious diseases at **VVV College**

PERSONAL DETAILS

Date of birth : 16-09-1993
Father's Name : Gopinadhan nair
Languages known : Malayalam, English
Nationality : Indian
Gender : Female
Marital status : Married

REFERENCE

1. Dr.R.Balasubramanian
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2. Dr.S.K.Subhash
Assistant Professor
Department of Biochemistry and Industrial microbiology
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DECLARATION

I hereby declare that details furnished above are correct and genuine to the best of my knowledge and belief.



Arathy Nadh V