

# ARYA SREEKUMAR

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## CAREER OBJECTIVE

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Seeking a position as a Microbiologist in a leading corporate and gain exposure to both existing and upcoming technologies while being resourceful and innovative.

## EDUCATIONAL QUALIFICATIONS

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Qualifications	University	Percentage	Pass out year
Master of Science in Medical Microbiology (M.Sc.)	School of Medical Education, Centre for Professional and Advanced Studies Mahatma Gandhi University, Kottayam, Kerala	71%	September 2019 – July 2022
Bachelor of Science in Medical Microbiology (B.Sc.)	School of Medical Education, Centre for Professional and Advanced Studies Mahatma Gandhi University, Kottayam, Kerala	67%	August 2014 – April 2018
Higher Secondary Education	SNDP Higher Secondary School, Tripunithura, Ernakulam, Kerala.	86%	June 2012 – March 2014
Secondary Education	Georgian Academy High School, Tripunithura, Ernakulam, Kerala	90%	April 2011 – March 2012

## WORK PROFILE

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- **Trainee – Viral research and diagnostic centre (VDRC) of Inter University Centre for Biomedical Research and Super Speciality Hospital (IUCBR & SSH), Thalappady, Kottayam, Kerala. (May 2021 – Jul 2021)**

### Responsibilities:

- **Lab diagnosis of COVID – 19** – Sample processing, Viral RNA isolation, Molecular detection of SARS CoV-2 by RT- PCR assay and data processing to ICMR and Kerala Govt. portals.

- **Trainee - Microbiology Department of Bishop Benziger Hospital, Kollam, Kerala (Feb 2019 – Aug 2019)**

### Responsibilities:

- Performed **bacterial and fungal staining procedures** with a review of smears, along with managing inter quality control check.
  - Performed **blood culture, urine culture, stool culture, throat swab culture, pus culture** and other **body fluid culture** to diagnose disease-causing agents (bacteriology and mycology).
  - Involved in interpreting the clinical significance of positive cultures and other abnormal test results under the supervision of the specialist microbiologist.
  - Proficient in **Antibiotic Sensitivity Test** and **Biochemical Identification Tests**.
  - Expertise in **preparation of various culture media**.
  - Performed **latex agglutination** and **rapid antigen tests**.
  - Managed serological and immunological tests like **Leptospira IgM ELISA, Dengue IgM ELISA, ANA ELISA**.
  - Performed environment and operation theatre sterility testing.
  - Managed **sterilization and quality control in microbiology**.
  - Maintenance of records and data management.
- **Intern - Microbiology Department of Bishop Benziger Hospital, Kollam, Kerala (Aug 2018 – Feb 2019)**

## **DISSERTATION**

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- Seroprevalence of SARS CoV-2 IgG antibodies among low-risk group health workers of inter university centre for Biomedical Research and Super Speciality Hospital, Thalappady, Kottayam.

## **PROFESSIONAL AFFILIATIONS**

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- Member of Association of Medical Microbiology and Biochemistry Students (AMMBS) –  
Reg. No. – K1346

## **EQUIPMENT'S HANDLED**

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- Bio- Rad C1000 Dx Thermal cycler
- Thermo Fisher Quant Studio 3 RT PCR System
- King Fisher Flex Purification System (RNA Extraction)
- Eppendorf Thermomixer C
- Eppendorf Centrifuge 5424R, 5920R
- Tarsons SPINWIN MC – 00 Microcentrifuge
- Bio-Rad iMark microplate absorbance reader
- Esco Labculture class II Type A2 Biosafety Cabinet
- Heal Force LC Type A2 Biosafety Cabinet
- Laminar Airflow

## **LANGUAGES KNOWN**

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English, Malayalam and Hindi.

## **REFERENCE**

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Dr. Harish Kumar K S

Professor and HOD, Dept. of Medical Microbiology, SME, CPAS, Kottayam, Kerala

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