

**Mrs NIGELA. A**  
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## CAREER OBJECTIVE

With keen interest in Medical Microbiology and readiness to learn while practicing the skills I gained during my Master's , I intend to be a part of a healthcare organization where I can utilize the best of my abilities.

## ACADEMIC PROFILE

**M.Sc Medical Microbiology** at Department of Microbiology, Kasturba Medical College,ManipalUniversity,Manipal(2012-2015)- 64%

**B.Sc Microbiology** Sadakathullah Appa College, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India , (2008-11) - 76%

**XII** –Rose Mary Matriculation Higher Secondary School, Tirunelveli, Tamil Nadu,(2008)-80%

**X-** Little Flower Matriculation Higher Secondary School, Tirunelveli, Tamil Nadu, (2006)-86%

## TECHNICAL SKILLS

BACTERIOLOGY	Processing of different Microbiological specimens such as Pus and Exudates, Blood, Body fluids, Respiratory specimen, urine,faeces. Identification of pathogens and sensitivity testing. Automated blood culture system ( BioMerieuxBacT/Alert 3D,BD BacTec9050 ). MALDI-TOF mass spectrometry, Leptospire culture and detection using Microscopic Agglutination test (MAT).
ANTIMICROBIAL SUSCEPTIBILITY TESTING	Conventional methods and VITEK 2 system
MYCOLOGY	Routine Processing of various Mycology specimens, Identification of clinically significant fungi
MYCOBACTERIOLOGY	Staining techniques, decontamination and culturing of samples, Drug Susceptibility testing, Molecular testing for drug resistance (GenoType MTBDR plus), BACTEC MGIT 960 TB system, GeneXpert technology.

ANAEROBIC BACTERIOLOGY	GasPak anaerobic container system, Dyanox anaerobic jar, Whitley a35 anaerobic work station, Identification and sensitivity testing.
PARASITOLOGY	Examination of stool for parasites using wet mount, Concentration Techniques, permanent stained smears.
SEROLOGY	Preparation of internal quality control and quality assurance of the test performed, Diagnosis using Manual ELISA and Da Vinci Quattro Immunoassay analyzer (Biomerieux), agglutination tests for PUO,
IMMUNOLOGY	Immunofluorescence techniques (ANA global, pANCA, cANCA) Immunoblot techniques ( ANA profile, Liver profile)
VIROLOGY	Cell culture techniques, Clinical specimen inoculation, Plaque reduction neutralization test (PRNT), CPE interpretation, hemagglutination test, hemagglutination inhibition test, ELISA, Molecular diagnostic technique.
QUALITY CONTROL	Preparation of internal quality control samples, Monitoring the quality system, investigating the root of irregularity and training the lab staffs, Writing and implementing Standard Operating Procedures, Quality and Safety Manuals, Preparing Dept for NABL Accreditation.

#### COMPUTER SKILLS

Proficient in Microsoft office word, PowerPoint, Excel and DTP.

#### EXPERIENCE

- Working as Research Assistant for the Centre for Disease Control funded project titled “*Hospital based Surveillance of Acute Febrile Illness in India*” at Department of Virus Research, Manipal University, Manipal (November 2015- September 2017)

Primary duties- Working as Research Assistant under Dr.G.Arunkumar , which involves assisting the laboratory managers in supervision of lab investigation in the project, supervise lab technicians based at MCVR, monitoring QC records, verification of the reports generated in various sections of laboratory and working as a part of technical quality control team. Worked mainly in Bacteriology laboratory isolating and handling pathogens such as *Bacillus anthracis* and *Brucella spp* and *Leptospira spp*.

- Worked in the diagnostic laboratory of Department of Microbiology, Kasturba Medical College , Manipal, Karnataka (2013-2015)

Primary duties- Processing of all samples, Identification of pathogens, antimicrobial sensitivity testing, reading and reporting results. Worked in the satellite night laboratory of Department of Microbiology, Kasturba Medical College ,Manipal, Karnataka during the academic period of August 2013- June 2015

#### STRENGTH

**A Person with strong work ethic, the commitment and dedication to the profession I chose, the ability to get along with people and ,willingness to learn and implement.**

## PROJECT

- **“Improvement of Black gram plant escalation by phosphate solubilising bacteria *Bacillus* species” as a partial fulfillment of Under Graduation, 2011.**
- **“Clinical and microbiological aspects of *Stenotrophomonas maltophilia* isolates from respiratory specimens” under Dr. Kiran Chawla, HOD, Department of Microbiology, KMC, Manipal during the academic period 2012-2015.**

## CME/CONFERENCE/WORKSHOPS ATTENDED

- Symposium in “Zeroing in on HIV/AIDS” at Kasturba Medical College, Manipal on 29 November 2014
- Conference in “Rickettsial diseases –an overview” organized by department of microbiology, Kasturba Medical college, Manipal held on 23 February 2014
- CME on “Parasitic diseases in India: diagnosis and prevention” hosted by Department of Microbiology, Kasturba Medical College, Manipal held on 2 May 2015
- CME on “Virology: searching the cause and seeking the solution” organized by Department of Microbiology, Kasturba Medical College, Mangalore held on 28 March 2015
- CME on “Antimicrobial resistance” hosted by Department of Internal Medicine, Kasturba Medical college, Mangalore on 21 December 2014
- Pre-conference CME on “Microscope to Stethoscope” organized by Department Of Microbiology, Kasturba Medical College, Manipal on 22 February 2014
- State level seminar on “Recent Trends in Microbiology” organized by the Department of Microbiology, Sadakathullah Appa College, Tirunelveli on 4 February 2009.
- Participation in “National seminar on emerging trends in biotechnology” organized by department of advanced zoology and biotechnology Sadakathullah Appa college, Tirunelveli on 21 March 2009.
- Participation in “Micro Biofest 2009” inter college competition organized by department of microbiology, Sadakathullah Appa college, Tirunelveli on 6 March 2009
- Workshop on “Biotechnology, Bioinformatics & Biostatistics” organized by Department of Advanced Zoology and biotechnology, Sadakathullah Appa college, Tamil Nadu held in March 2010
- Workshop on “**Basic Virological Techniques**” conducted by Department of Virus Research, Manipal University, Manipal held in November 2014
- E-learning course done on “**Biological Terrorism training for sentinel laboratories: Anthrax**” by Centre for Disease Control and Prevention (CDC) laboratory training.
- Workshop to “**Improve Diagnostic Capacity of Foster Regional Co-operation and Anthrax Control and Prevention**” at ICAR-NIVEDI, Bengaluru, held from 14-06-2016 to 16-06-2016

- Workshop to “**Improve Diagnostic Capacity of Foster Regional Co-operation and Anthrax Control and Prevention**” Anthrax-molecular diagnostics, at Department of VirusResearch, Manipal University, Manipal held from 17-06-2016 to 19-06-2016.

## **PERSONAL PROFILE**

Name :NIGELA.A  
Husband's name :Anand.P.R  
Date of birth :25-07-1990  
Nationality : Indian  
Marital status : Married  
Language proficiency: Malayalam, English, Tamil, Kannada, Hindi

## **DECLARATION**

I hereby declare that all the information given above are true to the best of my knowledge

Yours sincerely,  
Nigela.A

## **REFERENCES:**

1. Dr. G ArunkumarPhD  
Professor & Head, Nodal Officer (Influenza Lab)  
Manipal Centre for Virus Research  
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Virology Network Laboratory-Grade-I)  
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2. Dr. KiranChawla  
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3. Dr. Vishnu PrasadShenoy

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