

# **MOLECULAR ANALYSIS OF BACTERIAL CONTAMINANTS OF BEDRAILS, DOOR HANDLES AND LIGHT SWITCHES IN HOSPITALS**

**A Dissertation submitted to the Periyar University in partial fulfilment for  
The requirements of the award of the degree of**

**MASTER OF SCIENCE IN MICROBIOLOGY**

**Submitted by**

**Ms. P.SANGEETHAPRIYA  
(REG. NO: C23PG173MIB013)**



**PG DEPARTMENT OF MICROBIOLOGY**

**(Affiliated to Periyar University , Salem)**

**KAILASH WOMEN'S COLLEGE(AUTONOMOUS)**

**NANGAVALLI – 636502**

**SALEM DISTRICT,**

**TAMIL NADU ( INDIAN)**

**April 2025**

## CERTIFICATE

This is to certify that dissertation entitled **MOLECULAR ANALYSIS OF BACTERIAL CONTAMINANTS OF BEDRAILS, DOOR HANDLES AND LIGHT SWITCHES IN HOSPITALS** done by **P.SANGEETHAPRIYA** Reg.No.C23PG173MIB013 during academic year 2023-2025 in partial fulfillment for **MASTER OF SCIENCE** in **MICROBIOLOGY**, Kailash Women's College(Autonomous),-Nangavalli under my supervision . This work has not previously formed on the basis for the award of any degree, diploma, associate ship , fellowship or other similar title.

HEAD OF THE DEPARTMENT

Ms.KAVIPRIYA,M.Sc.,M.Phil.,B.Ed.,

GUIDE

Ms.KAVIPRIYA,M.Sc.,M.Phil.,B.Ed.,

Submitted for the viva-voice examination held on 15/04/2025

Examiners

1. Dr. P.KAVIPRIYA 15/04/2025

(Addt. P.KAVIPRIYA)

2. Ex: A.S. MURUGAN 15/04/2025

(2224, Dr. S.S. MAITHIL)

**PRINCIPAL**  
**KAILASH WOMEN'S COLLEGE**  
Tharamangalam-Nangavalli Main Road  
Periyasoragai P.O, Nangavalli,  
SALEM-636 502.

**MULTIPLEX DETECTION OF BANANA BUNCHY TOP VIRUS  
ALL SIX COMPONENTS THROUGH SYBR GREEN BASED  
REAL TIME PCR**

**A Dissertation submitted to the Periyar University in partial fulfilment for  
The requirements of the award of the degree of**

**MASTER OF SCIENCE IN MICROBIOLOGY**

**Submitted by**

**Ms. B. PRABHAVATHI  
(REG. NO: C23PG173MIB012)**



**PG DEPARTMENT OF MICROBIOLOGY**

**(Affiliated to Periyar University , Salem)**

**KAILASH WOMEN'S COLLEGE(AUTONOMOUS)**

**NANGAVALLI – 636502**

**SALEM DISTRICT,**

**TAMIL NADU ( INDIAN)**

**April 2025**

## CERTIFICATE

This is to certify that dissertation entitled **MULTIPLEX DETECTION OF BANANA BUNCHY TOP VIRUS ALL SIX COMPONENTS THROUGH SYBR GREEN BASED REAL TIME PCR** done by **B. PRABHAVATHI** Reg.No.C23PG173MIB012 during academic year 2023-2025 in partial fulfillment for **MASTER OF SCIENCE** in **MICROBIOLOGY**, Kailash Women's College(Autonomous),-Nangavalli under my supervision. This work has not previously formed on the basis for the award of any degree, diploma, associate ship , fellowship or other similar title.

  
HEAD OF THE DEPARTMENT

Ms.P.KAVIPRIYA,M.Sc.,M.Phil.,B.Ed.,

  
GUIDE

Ms.P.KAVIPRIYA,M.Sc.,M.Phil.,B.Ed.,

Submitted for the viva-voice examination held on 15.04.2025.

Examiners

1. Dr. P. KAVIPRIYA  
(2234, Dr. P. KAVIPRIYA)

2. Ex: S. S. MAITHILI  
(2234, Dr. S. S. MAITHILI)

**PRINCIPAL**  
**KAILASH WOMEN'S COLLEGE**  
Tharamangalam-Nangavalli Main Road  
Periyasoragai P.O, Nangavalli,  
SALEM-636 502.