

**FATIMA COLLEGE (AUTONOMOUS)**

*Re \_ Accredited with 'A++' By NAAC (CYCLE \_ IV)*

Mary Land, Madurai \_ 625 018



**PG DEPARTMENT OF ZOOLOGY**

**Summer Internship program**

This is a report of Summer Internship Program out by Ms. **SANGEETHA.T** (2023MSZ02) in Bharathiar University, Department of Human Genetics and Molecular Biology, Coimbatore 641 046 from 08.05.2024 to 05.06.2024.

*Antony Amala Jayaseeli*

**Head of the Department**

**DR. ANTONY AMALA JAYASEELI**  
Associate Professor and Head,  
Department of Zoology,  
Fatima College (Autonomous),  
Madurai-625 018.

*Dr. Mary V 16/7/2024*  
**Staff in Charge**



பாரதியார் பல்கலைக்கழகம்  
BHARATHIAR UNIVERSITY  
COIMBATORE – 641 046, TAMILNADU, INDIA

| State University | Accredited With A++ Grade - 3.63 CGPA by NAAC | 21<sup>th</sup> Rank among Indian Universities by MoE-NIRF |

**TO WHOMSOEVER CONCERNED**

This is to certify that the summer internship course entitled “BASIC MOL-BIO AND CYTOGENETIC TECHNIQUES TO ANALYSE THE MOLECULAR EDIFICE SEEN IN BIOLOGICAL SAMPLES” was endured by Miss. SANGEETHA T of M.Sc., Zoology, Fatima College, Madurai, under my guidance and supervision at the Biomaterials and Nanomedicine Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046 for a period of study from 08<sup>th</sup> May 2024 – 05<sup>th</sup> June, 2024 with 94% attendance

  
Signature of the Supervisor  
Dr. P. VINAYAGA MOORTHY, Ph.D.,  
Assistant Professor  
Department of Human Genetics  
and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046

Head of the Department

  
Professor and Head  
Dept. of Human Genetics and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046, T.N, India

## DECLARATION

We the students of FATIMA COLLEGE, hereby declare the work embodied in this training has been originally carried out by us, under the guidance and supervision of **Dr. P. Vinayaga Moorthi**, Assistant professor, Department of Human Genetics and Molecular Biology , Bharathiar University, Coimbatore -641 046 .

Place: Madurai

Date: 16/7/24

SANGEETHA .T

Sangeetha .T

**FATIMA COLLEGE (AUTONOMOUS)**

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Mary Land, Madurai \_ 625 018



**PG DEPARTMENT OF ZOOLOGY**

**Summer Internship Program**

This is a report of Summer Internship Program out by **Ms.TAMILSELVI.A** (2023MSZ03) in Madurai Kamaraj University, Department of Genetics Madurai \_ 625 012 from 06.05.2024 to 06.06.2024.

*Antony Amala Jayaseeli*  
16/07/24  
Head of the Department

**Dr.ANTONY AMALA JAYASEELI**  
Associate Professor and Head,  
Department of Zoology,  
Fatima College (Autonomous),  
Madurai-625 018.

*Staff in Charge*  
16/7/2024  
Staff in Charge



**MADURAI KAMARAJ UNIVERSITY**  
**School of Biological Sciences**  
Madurai, 625021



Prof.G.Kumaresan  
CHAIRPERSON  
School of Biological Sciences

Head, Dept. of Genetics  
Centre for Excellence in Genomic Sciences

25-06-2024

**Training and Skill Internship Certificate**

This is to certify that Ms. A. TAMHSELVI (Reg.No.2023MSCZ03) M.Sc. Zoology, Department of Zoology, Fatima College, Madurai – 625 018, Tamilnadu, India has successfully completed her Training and Skill Internship for a period of one month (06.05.2024-06.06.2024) at Department of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021.

Her mark is 55/60 in the summer Internship and is assessed based on work accomplished and the report submitted.

Head of the Department

**Dr. G. KUMARESAN**  
Professor and Head  
Dept. of Genetics  
School of Biological Sciences  
Madurai Kamaraj University



## ACKNOWLEDGEMENT

*First and foremost, I thank the Almighty God for his blessings throughout this period of time. I am extremely thankful & grateful to Prof.Dr.G.Kumaresan, Head, Department of Genetics, and Madurai Kamaraj University for his guidance, support, informative discussion sessions and valuable time inspite of his busy schedule.*

*My heartfelt gratitude to Dr.N.Malathi, Assistant Professor, Fatima College for her timely support, everloving care and direction throughout the time of internship.*

*I would like to extend my gratitude to Ms.AnishaMarina.M, for their counsel and support.I extend my deep sense of gratitude to all the scholars for their generous assistance. I am thankful to all the office staff, non-teaching staff for their kind gesture.*

*I would to like to express my sincere thanks to the School of Biological Sciences, Madurai Kamaraj University for all the memorable, peaceful and valuable experience of being an internship in the Department of Genetics.*

*Tamilselvi .A*

*Tamilse /vi. A*

**FATIMA COLLEGE(AUTONOMOUS)**

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Mary Land, Madurai -625 018



**PG DEPARTMENT OF ZOOLOGY**

**Summer Internship Program**

This is the report of Summer Internship Program carried out by **Ms.Maria Haily.H (2023MSCZ04)** in Department of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai - 625021 from 06.05.2024 to 06.06.2024.

*Antony Amala Jayaseeli*  
16/07/2024  
**Head of the Department**

*Staff in Charge*  
16/7/2024  
**Staff in Charge**

**Dr.ANTONY AMALA JAYASEELI**  
Associate Professor and Head,  
Department of Zoology,  
Fatima College (Autonomous),  
Madurai-625 018.



**MADURAI KAMARAJ UNIVERSITY**  
**School of Biological Sciences**  
Madurai, 625021



**Prof.G.Kumaresan**  
**CHAIRPERSON**  
**School of Biological Sciences**

Head, Dept. of Genetics  
Centre for Excellence in Genomic Sciences

25-06-2024

**Training and Skill Internship Certificate**

This is to certify that **Ms. H. MARIA HAILY (Reg.No.2023MSCZ04)** M.Sc. Zoology, Department of Zoology, Fatima College, Madurai – 625 018, Tamilnadu, India has successfully completed her Training and Skill Internship for a period of one month (06.05.2024-06.06.2024) at Department of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai – 625 021.

Her mark is 50/60 in the summer Internship and is assessed based on work accomplished and the report submitted.

Head of the Department

**Dr. G. KUMARESAN**  
Professor and Head  
Dept. of Genetics  
School of Biological Sciences  
Madurai Kamaraj University



## ACKNOWLEDGEMENT

*First and foremost, I thank the Almighty God for his blessings throughout this period of time. I am extremely thankful & grateful to **Prof.Dr.G.Kumaresan**, Head, Department of Genetics, Madurai Kamaraj University for his guidance, support, informative discussion sessions and valuable time inspite of his busy schedule.*

*My heartfelt gratitude to **Dr.N.Malathi**, Assistant Professor, Fatima College for her timely support, everloving care and direction throughout the time of internship.*

*I would like to extend my gratitude to **Ms.Anisha Marina.M** & **Mr.Jeyaprakash.M**, for their counsel and support. I am thankful to **Ms.Keerthana**, **Ms.Karpaga Kalyani** & **Mr.Sukesh** for their support. I extend my deep sense of gratitude to all the scholars for their generous assistance. I am thankful to all the office staff, non-teaching staff for their kind gesture.*

*I would to like to express my sincere thanks to the School of Biological Sciences, Madurai Kamaraj University for all the memorable, peaceful and valuable experience of being a intern in the Department of Genetics.*

*H. Maria Haily*  
**Maria Haily.H**

**FATIMA COLLEGE (AUTONOMOUS)**

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Mary Land, Madurai \_ 625 018



**PG DEPARTMENT OF ZOOLOGY**

**Summer Internship program**

This is a report of Summer Internship Program out by Ms.HARSHINI. M (2023MSZ05) in Coimbatore Bharathiyar University, Department of Human Genetics Coimbatore - 641046 from 08.05.2024 to 08.06.2024.

*Antony Amala Jayaseeli*  
Head of the Department 16/07/2024

**Dr. ANTONY AMALA JAYASEELI**  
Associate Professor and Head,  
Department of Zoology,  
Fatima College (Autonomous),  
Madurai-625 018.

*Staff in Charge*  
Staff in Charge

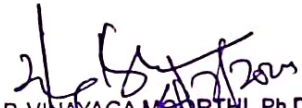


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**TO WHOMSOEVER CONCERNED**

This is to certify that the summer internship course entitled “**BASIC MOL-BIO AND CYTOGENETIC TECHNIQUES TO ANALYSE THE MOLECULAR EDIFICE SEEN IN BIOLOGICAL SAMPLES**” was endured by Miss. **HARSHINI M** of M.Sc., Zoology, Fatima College, Madurai, under my guidance and supervision at the Biomaterials and Nanomedicine Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046 for a period of study 08<sup>th</sup> May 2024 – 05<sup>th</sup> June, 2024 with 94% attendance

  
Signature of the Supervisor  
Dr. P. VINAYAGA MOORTHIL, Ph.D.,  
Assistant Professor  
Department of Human Genetics  
and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046

Head of the Department

  
Professor and Head  
Dept. of Human Genetics and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046, T.N., India

## DECLARATION

We the students of FATIMA COLLEGE, hereby declare the work embodied in this training has been originally carried out by us, under the guidance and supervision of **Dr. P. Vinayaga Moorthi**, Assistant professor, Department of Human Genetics and Molecular Biology , Bharathiar University, Coimbatore -641 046 .

Place: MADURAI

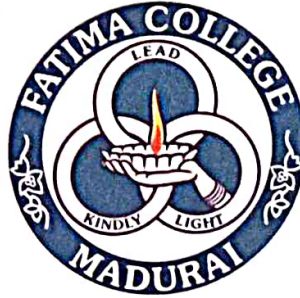
M. Harshini  
HARSHINI .M

Date: 16/7/2024

**FATIMA COLLEGE (AUTONOMOUS)**

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Mary Land, Madurai \_ 625 018



**PG DEPARTMENT OF ZOOLOGY**

**Summer Internship program**

This is a report of Summer Internship Program out by Ms.AISWARYA. M (2023MSZ01) in Coimbatore Bharathiyar University, Department of Human Genetics Coimbatore - 641046 from 08.05.2024 to 08.06.2024.

*Antony Amala Jayaseeli*  
16/07/2024  
Head of the Department

**Dr. ANTONY AMALA JAYASEELI**  
Associate Professor and Head,  
Department of Zoology,  
Fatima College (Autonomous),  
Madurai-625 018.

*Amal Mary*  
16/7/2024  
Staff in Charge



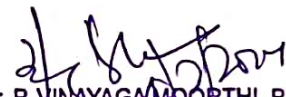


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**TO WHOMSOEVER CONCERNED**

This is to certify that the summer internship course entitled “**BASIC MOL-BIO AND CYTOGENETIC TECHNIQUES TO ANALYSE THE MOLECULAR EDIFICE SEEN IN BIOLOGICAL SAMPLES**” was endured by **Miss. AISWARYA M** of M.Sc., Zoology, Fatima College, Madurai, under my guidance and supervision at the Biomaterials and Nanomedicine Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046 for a period of study 08<sup>th</sup> May 2024 – 05<sup>th</sup> June, 2024 with 94% attendance

  
Dr. P. VINAYAGAMURTHY, Ph.D.,  
Signature of the Supervisor  
Department of Human Genetics  
and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046

Head of the Department

  
Professor and Head  
Dept. of Human Genetics and Molecular Biology  
Bharathiar University  
Coimbatore - 641 046, T N, India

## DECLARATION

We the students of FATIMA COLLEGE, hereby declare the work embodied in this training has been originally carried out by us, under the guidance and supervision of Dr. P. Vinayaga Moorthi, Assistant professor, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore -641 046.

Place: MADURAI

AI SWARYA .M

Aiswarya. M

Date: 16/7/2024