

**ENVIRONMENTAL EDUCATION – “CASE STUDY ON ACID RAIN IN INDIA”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of  
The Degree of Bachelor of Physics**

**Submitted by**

**Ms. B. Dhanalakshmi (2022P41)**

**Ms. K. Kanitha (2022P42)**

**Ms. J. Krishnaveni (2022P43)**

**Ms. S.Sadhana ( 2022P44)**

**Ms. K. Jeyashinica (2022P45)**

**Ms. S. M. Ishwarya (2022P46)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



**The Research Centre of Physics**

**Fatima College (Autonomous)**

**Madurai - 625 018**

**November 2023**



## **CERTIFICATE**

This to certify that this project entitled "**Case Study on Acid Rain in India**" Submitted by **Ms. B. Dhanalakshmi, Ms. K. Kanitha, Ms. J. Krishnaveni, Ms. S.Sadhana, Ms. K.Jeyashinica, Ms. S. M. Ishwarya** for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

**Date** : 16-10-23

**Station: Madurai.**

**Guide**



**(Ms. J. R. Sofia)**



## DECLARATION

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Ms. J. R. Sofia M.Sc., NET., (Ph.D.), Assistant Professor, The Research Centre of Physics, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date : 16-10-23

Station: Madurai.

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*K. Kanitha .*

**Ms. K.Kanitha (2022P42)**

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**Ms. J.Krishnaveni (2022P43)**

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*K. Jeyashinica*

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**Ms. S.M.Ishwarya (2022P46)**



**ENVIRONMENTAL EDUCATION – “CASE STUDY ON WATER  
POLLUTION IN MADURAI”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of**

**The Degree of Bachelor of Physics**

**Submitted by**

**Ms. A. Christy Lour Jona (2022P01)**

**Ms. M. Abinaya (2022P02)**

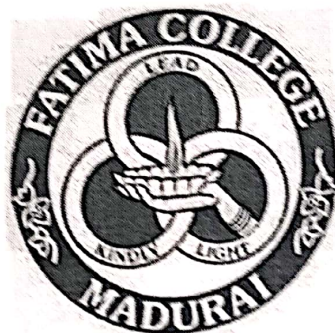
**Ms. A. Amirthavarshini (2022P05)**

**Ms. J. Annie Joslin (2022P06)**

**Ms. M. Dhanalakshmi (2022P08)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



**The Research Centre of Physics**

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**Madurai - 625 018**

**November 2023**




## CERTIFICATE

This to certify that this project entitled “Case Study on Water Pollution in Madurai” Submitted by Ms. A Christy Lour Jona, Ms. M. Abinaya, Ms. A. Amirthavarshini, Ms. J. Annie Joslin, Ms. M. Dhanalakshmi for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

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M. Abinaya

Ms. M. Abinaya (2022P02)

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Ms. M. Dhanalakshmi (2022P08)

M. Dhanalakshmi.



**ENVIRONMENTAL EDUCATION – “DEFORESTRATION IN THE  
AMAZON FOREST”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of**

**The Degree of Bachelor of Physics**

**Submitted by**

**Ms. T. Dulaitta Mary (2022P09)**

**Ms. J. Gilsy Bennita (2022P10)**

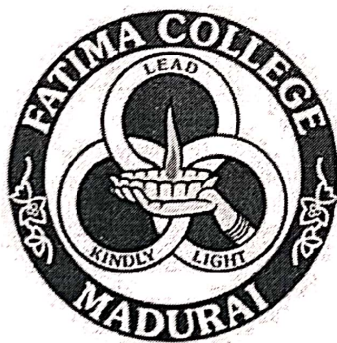
**Ms. M. Hemamalini (2022P11)**

**Ms. P. Jothika (2022P12)**

**Ms. P. Karishma Devi (2022P13)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



**The Research Centre of Physics**

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**Madurai - 625 018**

**November 2023**



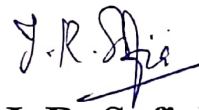
## CERTIFICATE

This to certify that this project entitled “**Deforestation in the Amazon Forest**” Submitted by **Ms. T. Dulaitta Mary, Ms. J. Gilsy Bennita, Ms. M. Hemamalini, Ms. P. Jothika, Ms. P. Karishma Devi** for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

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Date : 16-10-23

Station: Madurai.

*T. Dulaitta Mary*  
**Ms. T. Dulaitta Mary (2022P09)**

*J. Gilsy Bennita*  
**Ms. J. Gilsy Bennita (2022P10)**

*M. Hemamalini*  
**Ms. M. Hemamalini (2022P11)**

*P. Jothika*  
**Ms. P. Jothika (2022P12)**

*P. Karishma Devi*  
**Ms. P. Karishma Devi (2022P13)**



**ENVIRONMENTAL EDUCATION – “MARINE POLLUTION IN  
THE INDIAN OCEAN”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of  
The Degree of Bachelor of Physics**

**Submitted by**

**Ms. V. Kaviyadharshini (2022P14)**

**Ms. T. Kiruthika (2022P16)**

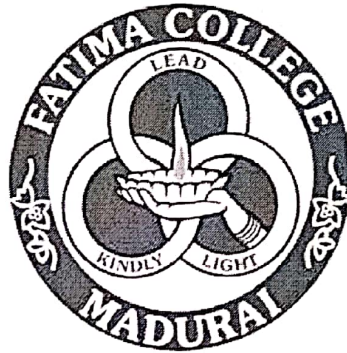
**Ms. S. Logeswari (2022P17)**

**Ms. V. Mahima Prasleen (2022P18)**

**Ms. S. Merlin (2022P19)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



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**Madurai - 625 018**

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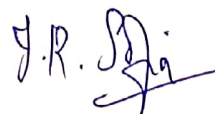
## CERTIFICATE

This to certify that this project entitled “Marine Pollution in the Indian Ocean” Submitted by Ms. V. Kaviyadharshini, Ms. T. Kiruthika, Ms. S. Logeswari, Ms. V. Mahima Prasleen, Ms. S. Merlin for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

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Date : 16-10-23

Station: Madurai.

*V. Kaviyadharshini*

Ms. V. Kaviyadharshini (2022P14)

*T. Kiruthika*

Ms. T. Kiruthika (2022P16)

*T.P.*

*S. Logeswari*

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*V. Mahima Prasleen*

Ms. V. Mahima Prasleen (2022P18)

*S. Merlin*

Ms. S. Merlin (2022P19)



**ENVIRONMENTAL EDUCATION – “CAUSES OF VEHICLE  
POLLUTION IN MADURAI”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of**

**The Degree of Bachelor of Physics**

**Submitted by**

**Ms. B. Muhila (2022P20)**

**Ms. P. Murugeshwari (2022P21)**

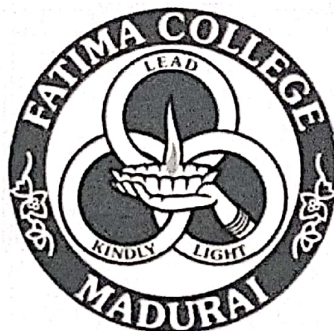
**Ms. M. Muthu Santhiya (2022P22)**

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**Ms. J. Pagam Priyal (2022P24)**

**Under the guidance of**

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**The Research Centre of Physics**

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**Madurai - 625 018**

**November 2023**





## CERTIFICATE

This to certify that this project entitled “Causes of Vehicle Pollution in Madurai” Submitted by Ms. B. Muhila, Ms. P. Murugeshwari, Ms. M. Muthu Santhiya, Ms. M. Namitha, Ms. J. Pagam Priyal, for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

**Date :** 16-10-23

**Station: Madurai.**

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Date : 16-10-23

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**Ms. B. Muhila (2022P20)**

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**ENVIRONMENTAL EDUCATION – “CASE STUDY ON SOLID  
WASTE MANAGEMENT”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of**

**The Degree of Bachelor of Physics**

**Submitted by**

**Ms. J. Roseline Jabiya (2022P25)**

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**Ms. M. Santhiya (2022P28)**

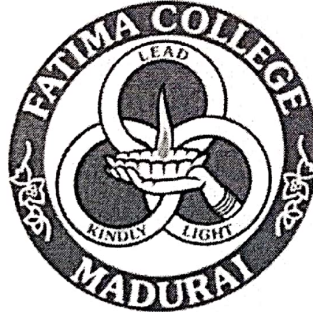
**Ms. P. Sharmila (2022P29)**

**Ms. K. Shefana Banu (2022P30)**

**Ms. P. Soundarya (2022P32)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



**The Research Centre of Physics**

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**Madurai - 625 018**

**November 2023**



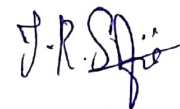
## CERTIFICATE

This to certify that this project entitled “**Case Study on Solid Waste Management**” Submitted by **Ms. J. Roseline Jabiya, Ms. M. Sangeerthana, Ms. M. Santhiya, Ms. P. Sharmila, Ms. K. Shefana Banu, Ms. P. Soundarya** for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

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Date : 16-10-23

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*J. Roseline Jabiya.*

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*K. Shefana Banu.*

**Ms. K. Shefana Banu (2022P30)**

*P. Soundarya .*

**Ms. P. Soundarya (2022P32)**





**ENVIRONMENTAL EDUCATION – “CASE STUDY ON CLIMATE  
CHANGE IN INDIA BETWEEN 1990 TO 2023”**

**Project submitted to Fatima College (Autonomous), Madurai -18**

**In Partial Fulfilment of the requirements of the Award of**

**The Degree of Bachelor of Physics**

**Submitted by**

**Ms. S. Subarna (2022P35)**

**Ms. K. Thangam (2022 P36)**

**Ms. M. Varshini (2022P37)**

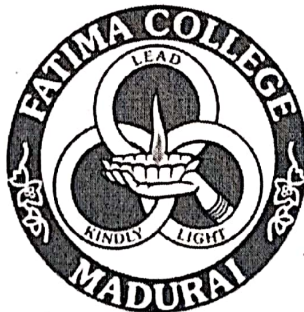
**Ms. K. Vishal Sri (2022P38)**

**Ms. M. Vishnupriya (2022P39)**

**Ms. R. Abirami (2022P40)**

**Under the guidance of**

**Ms. J. R. Sofia, Assistant Professor**



**The Research Centre of Physics**

**Fatima College (Autonomous)**

**Madurai - 625 018**

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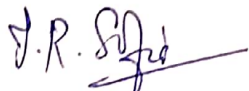
## CERTIFICATE

This to certify that this project entitled “Case Study on Climate change in India between 1990 to 2023” Submitted by Ms. S. Subarna, Ms. K. Thangam, Ms. M. Varshini, Ms. K. Vishal Sri, Ms. M. Vishnupriya, Ms. R. Abirami for the Degree of Bachelor of Physics is based on the result of studies carried out by them under my guidance and supervision in The Research Centre of Physics, Fatima College (Autonomous), Madurai-18. This project is not submitted elsewhere for any other degree.

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*K. Thangam*

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