SIMILARITY ANALYSIS OF SARS CORONA VIRUS WUHAN-HU-1 ISOLATE AND INDIAN (KERALA) ISOLATE

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. AISHWARYA. R (2018Z01)

Mrs. KEERTHI. G (2018Z13)

Ms. SARANYA. R (2018Z24)

Ms. SUGANYA. G (2018Z34)

Ms. DEEPA PRABHA. B(2017Z10)

Under the Guidance of

Dr. A. TAMIL SELVI



DEPARTMENT OF ZOOLOGY
FATIMA COLLEGE (Autonomous)
MADURAI- 625018

March, 2021

This is to certify that this project entitled "SIMILARITY ANALYSIS OF SARS CORONA VIRUS 2 WUHAN-HU-IISOLATE AND INDIAN (KERALA) ISOLATE "submitted by Ms.R. Aishwarya Mrs.G.Keerthi, Ms.R.Saranya., Ms.G.Suganya and Ms.B. Deepa Prabha for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

Date: 30.03.2021

Station: Madurai

(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Dr. A. Tamil Selvi, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date: 30.03.2021

Station: Madurai

R. Aishwarya. R

G. Keertho Mrs. Keerthi. G

R. Saranya Ms. Saranya. R

Cr. Sugarya Ms. Sugarya. G

B. Deepaprabha. Ms. Deepa Prabha. B

STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. AKSHAYA R (2018Z02)
Ms. MAHADEVI S (2018Z15)
Ms. SARMILA M (2018Z25)
Ms. TAMILTHAI A (2018Z35)
Mrs. FAYISHA J (2015Z14)

Under the Guidance of Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET



Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET Assistant Professor in Zoology, Fatima College (Autonomous), Madurai - 625 018.

This is to certify that this Project entitled "COMPARITIVE STUDY ON HUMAN ACID SPHINGOMYELINASE – USING BIOINFORMATICS TOOLS" submitted by for the degree of Bachelor of Science is based on the results of studies carried out by me under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the DEPARTMENT OF ZOOLOGY, MADURAI – 18. This project has not been submitted elsewhere for any other degree.

Head of the Department

(Dr. A. Tamil Selvi)

(Dr.Mrs. Antony Amala Jayaseeli)

Anting Aurala Trysali.
Signature of the Guide

Dr. A. TAMIL SELVI

Head, Dept. of Zoology

FATIMA COLLEGE (AUTONOMOUS)

MADURAI-625 018

Station: Madurai

Date: 30.03.2021

I do hereby declare that this dissertation entitled "STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS" has been originally carried out by her under the guidance and supervision of Dr. Mrs. Antony Amala Jayaseeli Assistant Professor, Department of zoology Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

DATE 13.03.2021

Signature of the Student

R. Akshaya Mahadevi s

M. Garmila

Tamithai X. Fayisha J

"A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MISS. J. AROCKIA VICTORIYA (2018Z03)

MISS. M. MUTHUMEENAKSHI (2018Z16)

MISS. S. SATHYADIVYADHARSHINI (2018Z27)

MISS. S. THENMOZHI (2018Z36)

Under the Guidance of

Dr. N. MALATHI



This is to certify that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" submitted by MS. J. Arockia Victoriya (2018Z03), MS. M. Muthumeenakshi (2018Z16), MS. S. Sathyadivyadharshini (2018Z27) and MS. S. Thenmozhi (2018Z36) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by her under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Head of

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Dr. A. TAMIL SELVI

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STATION: MADURAI

DATE: 30 -03 -2021.

Signature of the Supervisor

and Guide

(Dr. Mrs. N. Malathi)

I do hereby declare that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" has been originally carried out by her under the guidance and supervision of Dr. Mrs. N. Malathi, Assistant Professor, Department of zoology and Dean of Academic Affairs (Science), Research Guide and Supervisor, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

- 1. J. Arackia victoriya
- Q. M. Muthu Meenakshi
- 3. S. Sathandinga dhawli

4. S. Thenmozhi

STATION: MADURAI

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DATE: 30-03-2021

J. Arockia Victoriya (2018Z03)

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A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. ASNA FATHIMA. S (2018Z04)

Ms. NANCY DAYANA. A (2018Z17)

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Ms. THILAGAVATHI. E (2018Z37)

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DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this Project entitled "A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES" submitted by Ms.S.Asna Fathima, Ms.A.Nancy Dayana, Ms.U.Sathya and Ms.E.Thilagavathi for the degree of Bachelor of Science is based on the results of studies carried out by them under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the has not been submitted elsewhere for any other degree.

Station: Madurai

Date: 30.3 - 2021

Signature of the Project Guide

T. Halaphleenderhi

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Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this dissertation entitled"A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES"submitted in partial fulfilment of Degree of Bachelor of Science in Zoology is a research work that has been originally done by us under the guidance and supervision of T. Malar Meenakshi, Assistant Professor in the Department of Zoology, Fatima college (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

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Ms. ASNA FATHIMA. S (2018Z04) (desalatina)
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"BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MS. T BOOMADEVI (2018Z05)

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Under the Guidance of DR. SR. BIJI CYRIAC, M. Sc., B. Ed., M. Phil., Ph.D



This is to certify that this dissertation entitled "Biodiversity of Insects (Madurai and Sivagangai District)" submitted by Ms. T. Booma devi, Ms. P. Nithya, Ms. T. Selva Priya, and Ms. M. Vidhya Nivashini as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision in Fatima College (Autonomous), Department of Zoology, during the academic year 2020 - 2021. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR. A. TAMIL SELVI)

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STATION: MADURAI

DATE: 13-03- 2021

We do here by declare that this dissertation entitled "BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"has been originally carried out by us under the guidance and supervision of Dr. Sr. BijiCyriac, department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI DATE: 13.03. 2021

By,

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A STUDY ON INSECT DIVERSITY IN SATHYA MOORTHY NAGAR, VADIPATTI, MADURAI

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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MS. R. BRINDHAA (2018Z06)

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Dr. V. BHARATHY



This is to certify that this dissertation entitled "A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI, MADURAI" submitted by R. Brindhaa (2018Z06), R. Pavithra (2018Z19), P. Vijithra (2018Z39) and T. Sevugapriya (2018Z30) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

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Dr. A. TAMIL SELVI
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STATION: MADURAI

DATE: 30 . 3. 2021

I do here by declare that this dissertation entitled A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI MADURAI Submitted to Fatima college. Madurai in partial fulfilment of requirement of the award of MASTER SCIENCE IN ZOOLOGY. Is a record of original project work done by me.I also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Signature of the candidate

R.BRINDHAA (2018Z06)

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Selvapriya T.SEVUGAPRIYA (2018Z30)

Date:30.03.2021

BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

ELAVENI R (2018Z08)

PRINSLA Y (2018Z20)

SHALINI S (2018Z31)

VIMALA C (2018Z40)

Under the Guidance of

Dr. N. NAGARANI



This is to certify that this dissertation entitled "BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU" submitted by Elaveni R (2018Z08)

Prinsla Y (2018Z20), Shalini S (2018Z31), Vimala C (2018Z40) as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR.A. TAMILSELVI)

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Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

STATION: MADURAI

DATE: 13.03.2021

I do hereby declare that this dissertation entitled "Biodiversity Assessment in the selected sites of South Tamil Nadu" Submitted to Fatima college, Madurai in Partial fulfillment of requirement of the award of BACHELOR OF SCIENCE IN ZOOLOGY, is a record of original project work done by me. I also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Date: 13.03.2021

Signature of the candidate

P. Elaveni

4. Prinsla

S. Shalini

C. Vimala.

Signature of the Guide

EFFECTIVE NEEM LITTER RECYCLING THROUGH VERMICOMPOSTING

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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SHARMILA R (2018Z32)

MARIYA LINO LITISYA M (2018Z41)

Under the Guidance of

Dr. S. BARATHY



This is to certify that this dissertation entitled "Effective neem litter recycling through vermicomposting" submitted by S. Karthika, S. Rajeshwari, R. Sharmila and M. Mariya Lino Litisya, as a partial fulfillment for the Degree of Bachelor of Science in Zoology is based on the result of studies carried out by them under my guidance and supervision during the academic year 2019-2020 in Fatima College (autonomous), Department of Zoology, Madurai-18. This project has not been submitted elsewhere for any other degree.

Station: Madurai

Date : 30, 03. 2021

Signature of the Guide

Dr. S. Barathy

Signature of the HOD

Dr. A. Tamil Selvi

Dr. A. TAMIL SELVI
Head, Dept of Zoology

FATIMA COLLEGE (AUTONOMOUS)

MADURAI-625 018

We do hereby declare that this dissertation entitled "Effective neem litter recycling through vermicomposting" has been originally carried out by us under the guidance and supervision of Dr. S. Barathy, Assistant Professor, Department of Zoology, Fatima College (autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

: 30.03.2021 Date

By

1. S. Karthika. 2. S. Rajeshevari 3. R. Shamila

4. M. Mariga Lino Litinya

A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

T.M KARTHIKA (2018Z11)

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Under the Guidance of

Mrs. J. THELMA



This is to certify that this dissertation entitled "A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS" submitted by T.M Karthika (2018Z11), P.Revathy (2018Z23) and S. Subasri (2018Z33) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Department Head

Dr. A. T MIL SELVI
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MADI 1-625 018

(DR.A. TAMILSELVI)

Signature of theguide

(Mrs. J. THELMA)

STATION: MADURAI

DATE: 30.3.2021

We do hereby declare that this dissertation entitled "A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS" submitted to Fatima college, Madurai in Partial fulfillment of requirement of the award of BACHELOR OF SCIENCE IN ZOOLOGY, is a record of original project work done by us. We also declare that this dissertation or partof work has not been published earlier elsewhere in any manner.

STATION: MADURAI

DATE: 30.3. 2021

Signature of the Student

T.M. Karthika.

(T.M.Karthika2018Z11)

P. Revathy

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5. Subassi (S.Subasri2018Z33)

SIMILARITY ANALYSIS OF SARS CORONA VIRUS WUHAN-HU-1 ISOLATE AND INDIAN (KERALA) ISOLATE

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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Mrs. KEERTHI. G (2018Z13)

Ms. SARANYA. R (2018Z24)

Ms. SUGANYA. G (2018Z34)

Ms. DEEPA PRABHA. B(2017Z10)

Under the Guidance of

Dr. A. TAMIL SELVI



DEPARTMENT OF ZOOLOGY
FATIMA COLLEGE (Autonomous)
MADURAI- 625018

March, 2021

This is to certify that this project entitled "SIMILARITY ANALYSIS OF SARS CORONA VIRUS 2 WUHAN-HU-IISOLATE AND INDIAN (KERALA) ISOLATE "submitted by Ms.R. Aishwarya. Mrs.G.Keerthi. Ms.R.Saranya., Ms.G.Suganya and Ms.B. Deepa Prabha for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology. Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

Date: 30.03.2021

Station: Madurai

(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Dr. A. Tamil Selvi, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date: 30.03.2021

Station: Madurai

R. Aishwarya. R

G. Keertho Mrs. Keerthi. G

R. Saranya Ms. Saranya. R

Cr. Sugarya Ms. Sugarya. G

B. Deepaprabha. Ms. Deepa Prabha. B

STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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Ms. SARMILA M (2018Z25)

Ms. TAMILTHAI A (2018Z35)

Mrs. FAYISHA J (2015Z14)

Under the Guidance of Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET



Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET Assistant Professor in Zoology, Fatima College (Autonomous), Madurai - 625 018.

This is to certify that this Project entitled "COMPARITIVE STUDY ON HUMAN ACID SPHINGOMYELINASE – USING BIOINFORMATICS TOOLS" submitted by for the degree of Bachelor of Science is based on the results of studies carried out by me under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the DEPARTMENT OF ZOOLOGY, MADURAI – 18. This project has not been submitted elsewhere for any other degree.

Head of the Department

(Dr. A. Tamil Selvi)

(Dr.Mrs. Antony Amala Jayaseeli)

Anting Aurala Trysali.
Signature of the Guide

Dr. A. TAMIL SELVI

Head, Dept. of Zoology

FATIMA COLLEGE (AUTONOMOUS)

MADURAI-625 018

Station: Madurai

Date: 30.03.2021

I do hereby declare that this dissertation entitled "STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS" has been originally carried out by her under the guidance and supervision of Dr. Mrs. Antony Amala Jayaseeli Assistant Professor, Department of zoology Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

DATE 13.03.2021

Signature of the Student

R. Akshaya Mahadevi s

M. Garmila

Tamithai X. Fayisha J

"A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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MISS. S. SATHYADIVYADHARSHINI (2018Z27)

MISS. S. THENMOZHI (2018Z36)

Under the Guidance of

Dr. N. MALATHI



This is to certify that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" submitted by MS. J. Arockia Victoriya (2018Z03), MS. M. Muthumeenakshi (2018Z16), MS. S. Sathyadivyadharshini (2018Z27) and MS. S. Thenmozhi (2018Z36) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by her under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Head of

the Department

(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI
Head, Dept. of Zoology

FATIMA COLLEGE (AUTONOMOUS)

MADURAI-625 018

STATION: MADURAI

DATE: 30 -03 -2021.

Signature of the Supervisor

and Guide

(Dr. Mrs. N. Malathi)

I do hereby declare that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" has been originally carried out by her under the guidance and supervision of Dr. Mrs. N. Malathi, Assistant Professor, Department of zoology and Dean of Academic Affairs (Science), Research Guide and Supervisor, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

- 1. J. Arackia victoriya
- Q. M. Muthu Meenakshi
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4. S. Thenmozhi

STATION: MADURAI

Signature of the Student

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J. Arockia Victoriya (2018Z03)

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A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. ASNA FATHIMA. S (2018Z04)

Ms. NANCY DAYANA. A (2018Z17)

Ms. SATHYA. U (2018Z28)

Ms. THILAGAVATHI. E (2018Z37)

Under the Guidance of

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DEPARTMENT OF ZOOLOGY
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MADURAI- 625018

March, 2021

This is to certify that this Project entitled "A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES" submitted by Ms.S.Asna Fathima, Ms.A.Nancy Dayana. Ms.U.Sathya and Ms.E.Thilagavathi for the degree of Bachelor of Science is based on the results of studies carried out by them under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the has not been submitted elsewhere for any other degree.

Station: Madurai

Date: 30.3 - 2021

Signature of the Project Guide

T. Halaphleenderhi

(T. MALAR MEENAKSHI)

Signature of the Head of the Department

(Dr.A.TAMILSELVI)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this dissertation entitled"A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES"submitted in partial fulfilment of Degree of Bachelor of Science in Zoology is a research work that has been originally done by us under the guidance and supervision of T. Malar Meenakshi, Assistant Professor in the Department of Zoology, Fatima college (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

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Signature of students

Ms. ASNA FATHIMA. S (2018Z04) (desalatina)
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"BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MS. T BOOMADEVI (2018Z05)

MS. P. NITHYA (2018Z18)

MS. T. SELVA PRIYA (2018Z29)

MS. M. VIDHYA NIVASHINI (2018Z38)

Under the Guidance of DR. SR. BIJI CYRIAC, M. Sc., B. Ed., M. Phil., Ph.D



This is to certify that this dissertation entitled "Biodiversity of Insects (Madurai and Sivagangai District)" submitted by Ms. T. Booma devi, Ms. P. Nithya Ms. T. Selva Priya, and Ms. M. Vidhya Nivashini as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision in Fatima College (Autonomous), Department of Zoology, during the academic year 2020 - 2021. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR. A. TAMIL SELVI)

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MADURAI-625 018

STATION: MADURAI

DATE: 13-03- 2021

We do here by declare that this dissertation entitled "BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"has been originally carried out by us under the guidance and supervision of Dr. Sr. BijiCyriac, department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI DATE: 13.03. 2021

By,

Ms. T. Boomadevi (2018Z05) T. Booma devt

Ms. P. Nithya (2018Z18)

Ms. P. Nithya (2018Z18)

Ms. T. Selva Priya (2018Z29)

Selva Priya T.

Ms. M. Vidhya Nivashini (2018Z38) M. Vidhya Nivashini

A STUDY ON INSECT DIVERSITY IN SATHYA MOORTHY NAGAR, VADIPATTI, MADURAI

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MS. R. BRINDHAA (2018Z06)

MS. R. PAVITHRA (2018Z19)

MS. T. SEVUGAPRIYA (2018Z30)

MS. M. VIJITHRA (2018Z39)

Under the Guidance of

Dr. V. BHARATHY



This is to certify that this dissertation entitled "A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI, MADURAI" submitted by R. Brindhaa (2018Z06), R. Pavithra (2018Z19). P. Vijithra (2018Z39) and T. Sevugapriya (2018Z30) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR.A. TAMILSELVI)

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Signature of the guide

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Dr. A. TAMIL SELVI
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STATION: MADURAI

DATE: 30 . 3. 2021

I do here by declare that this dissertation entitled A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI MADURAI Submitted to Fatima college. Madurai in partial fulfilment of requirement of the award of MASTER SCIENCE IN ZOOLOGY. Is a record of original project work done by me.I also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Signature of the candidate

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Date:30.03.2021

BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

ELAVENI R (2018Z08)

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VIMALA C (2018Z40)

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Dr. N. NAGARANI



This is to certify that this dissertation entitled "BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU" submitted by Elaveni R (2018Z08)

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STATION: MADURAI

DATE: 13.03.2021

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Place: Madurai

Date: 13.03.2021

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EFFECTIVE NEEM LITTER RECYCLING THROUGH VERMICOMPOSTING

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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This is to certify that this dissertation entitled "Effective neem litter recycling through vermicomposting" submitted by S. Karthika, S. Rajeshwari, R. Sharmila and M. Mariya Lino Litisya, as a partial fulfillment for the Degree of Bachelor of Science in Zoology is based on the result of studies carried out by them under my guidance and supervision during the academic year 2019-2020 in Fatima College (autonomous), Department of Zoology, Madurai-18. This project has not been submitted elsewhere for any other degree.

Station: Madurai

Date : 30, 03. 2021

Signature of the Guide

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We do hereby declare that this dissertation entitled "Effective neem litter recycling through vermicomposting" has been originally carried out by us under the guidance and supervision of Dr. S. Barathy, Assistant Professor, Department of Zoology, Fatima College (autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

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By

1. S. Karthika. 2. S. Rajeshevari 3. R. Shamila

4. M. Mariga Lino Litinya

A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

T.M KARTHIKA (2018Z11)

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Under the Guidance of

Mrs. J. THELMA



This is to certify that this dissertation entitled "A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS" submitted by T.M Karthika (2018Z11), p.Revathy (2018Z23) and S. Subasri (2018Z33) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Department Head

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MADI 1-625 018

(DR.A. TAMILSELVI)

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STATION: MADURAI

DATE: 30 · 3 · 2021

We do hereby declare that this dissertation entitled "A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS" submitted to Fatima college, Madurai in Partial fulfillment of requirement of the award of BACHELOR OF SCIENCE IN ZOOLOGY, is a record of original project work done by us. We also declare that this dissertation or partof work has not been published earlier elsewhere in any manner.

STATION: MADURAI

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T.M. Karthika.

(T.M.Karthika2018Z11)

P. Revathy

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5. Subassi (S.Subasri2018Z33)

SIMILARITY ANALYSIS OF SARS CORONA VIRUS WUHAN-HU-1 ISOLATE AND INDIAN (KERALA) ISOLATE

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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Ms. SUGANYA. G (2018Z34)

Ms. DEEPA PRABHA. B(2017Z10)

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Dr. A. TAMIL SELVI



DEPARTMENT OF ZOOLOGY
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MADURAI- 625018

March, 2021

This is to certify that this project entitled "SIMILARITY ANALYSIS OF SARS CORONA VIRUS 2 WUHAN-HU-IISOLATE AND INDIAN (KERALA) ISOLATE "submitted by Ms.R. Aishwarya, Mrs.G.Keerthi, Ms.R.Saranya. Ms.G.Suganya and Ms.B. Deepa Prabha for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

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We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Dr. A. Tamil Selvi, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date: 30.03.2021

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R. Aishwarya. R

G. Keertho Mrs. Keerthi. G

R. Saranya Ms. Saranya. R

Cr. Sugarya Ms. Sugarya. G

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STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET Assistant Professor in Zoology, Fatima College (Autonomous), Madurai - 625 018.

This is to certify that this Project entitled "COMPARITIVE STUDY ON HUMAN ACID SPHINGOMYELINASE – USING BIOINFORMATICS TOOLS" submitted by for the degree of Bachelor of Science is based on the results of studies carried out by me under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the DEPARTMENT OF ZOOLOGY, MADURAI – 18. This project has not been submitted elsewhere for any other degree.

Head of the Department

(Dr. A. Tamil Selvi)

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Station: Madurai

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I do hereby declare that this dissertation entitled "STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS" has been originally carried out by her under the guidance and supervision of Dr. Mrs. Antony Amala Jayaseeli Assistant Professor, Department of zoology Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

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Tamithai X. Fayisha J

"A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MISS. J. AROCKIA VICTORIYA (2018Z03)

MISS. M. MUTHUMEENAKSHI (2018Z16)

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MISS. S. THENMOZHI (2018Z36)

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This is to certify that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" submitted by MS. J. Arockia Victoriya (2018Z03), MS. M. Muthumeenakshi (2018Z16), MS. S. Sathyadivyadharshini (2018Z27) and MS. S. Thenmozhi (2018Z36) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by her under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Signature of the Head of

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STATION: MADURAI

DATE: 30 -03 -2021.

Signature of the Supervisor

and Guide

(Dr. Mrs. N. Malathi)

I do hereby declare that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" has been originally carried out by her under the guidance and supervision of Dr. Mrs. N. Malathi, Assistant Professor, Department of zoology and Dean of Academic Affairs (Science), Research Guide and Supervisor, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

- 1. J. Arackia victoriya
- Q. M. Muthu Meenakshi
- 3. S. Sathandinga dhawli

4. S. Thenmozhi

STATION: MADURAI

Signature of the Student

DATE: 30-03-2021

J. Arockia Victoriya (2018Z03)

M. Muthumeenakshi (2018Z16)

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S. Thenmozhi (2018Z36)

A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. ASNA FATHIMA. S (2018Z04)

Ms. NANCY DAYANA. A (2018Z17)

Ms. SATHYA. U (2018Z28)

Ms. THILAGAVATHI. E (2018Z37)

Under the Guidance of

Ms. T. MALAR MEENAKSHI



DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this Project entitled "A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES" submitted by Ms.S.Asna Fathima, Ms.A.Nancy Dayana, Ms.U.Sathya and Ms.E.Thilagavathi for the degree of Bachelor of Science is based on the results of studies carried out by them under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the has not been submitted elsewhere for any other degree.

Station: Madurai

Date: 30.3 - 2021

Signature of the Project Guide

T. Halaphleenderhi

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Signature of the Head of the Department

(Dr.A.TAMILSELVI)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this dissertation entitled"A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES"submitted in partial fulfilment of Degree of Bachelor of Science in Zoology is a research work that has been originally done by us under the guidance and supervision of T. Malar Meenakshi, Assistant Professor in the Department of Zoology, Fatima college (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

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Signature of students

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Ms. NANCY DAYANA. A (2018Z17) Nancy diana
Ms. SATHYA. U (2018Z28) Sathya. U.

Ms. THILAGAVATHI. E (2018Z37) This lag and hi

"BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MS. T BOOMADEVI (2018Z05)

MS. P. NITHYA (2018Z18)

MS. T. SELVA PRIYA (2018Z29)

MS. M. VIDHYA NIVASHINI (2018Z38)

Under the Guidance of DR. SR. BIJI CYRIAC, M. Sc., B. Ed., M. Phil., Ph.D



DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this dissertation entitled "Biodiversity of Insects (Madurai and Sivagangai District)" submitted by Ms. T. Booma devi, Ms. P. Nithya, Ms. T. Selva Priya, and Ms. M. Vidhya Nivashini as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision in Fatima College (Autonomous), Department of Zoology, during the academic year 2020 - 2021. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR. A. TAMIL SELVI)

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(Dr. Sr. BIJI CYRIAC)

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STATION: MADURAI

DATE: 13-03. 2021

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STATION: MADURAI DATE: 13.03. 2021

By,

Ms. T. Boomadevi (2018Z05) T. Booma devt

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A STUDY ON INSECT DIVERSITY IN SATHYA MOORTHY NAGAR, VADIPATTI, MADURAI

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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Head of the Department

(DR.A. TAMILSELVI)

V. Buty Signature of the guide

(Dr. V. Bharathy)

Dr. A. TAMIL SELVI
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MADURAI-625 018

STATION: MADURAI

DATE: 30.3.2021

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Place: Madurai

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R.BRINDHAA (2018Z06)

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P. Vijithra P. VIJITHRA (2018Z39)

Selvapriya T.SEVUGAPRIYA (2018Z30)

Date:30.03.2021

BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

ELAVENI R (2018Z08)

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March, 2021

This is to certify that this dissertation entitled "BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU" submitted by Elaveni R (2018Z08) Prinsla Y (2018Z20), Shalini S (2018Z31). Vimala C (2018Z40) as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR.A. TAMILSELVI)

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Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

STATION: MADURAI

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SHARMILA R (2018Z32)

MARIYA LINO LITISYA M (2018Z41)

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DEPARTMENT OF ZOOLOGY
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MADURAI- 625018
March, 2021

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Station: Madurai

Date : 30, 03. 2021

Signature of the Guide

Dr. S. Barathy

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Dr. A. Tamil Selvi

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Station: Madurai

: 30.03.2021 Date

By

1. S. Karthika. 2. S. Rajeshevari 3. R. Shamila

4. M. Mariga Lino Litinya

A STUDY ON BUTTERFLY FAUNA AT FATIMA COLLEGE CAMPUS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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Signature of the Department Head

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STATION: MADURAI

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T.M. Karthika.

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5. Subassi (S.Subasri2018Z33)

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Submitted By

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Ms. SARANYA. R (2018Z24)

Ms. SUGANYA. G (2018Z34)

Ms. DEEPA PRABHA. B(2017Z10)

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MADURAI- 625018

March, 2021

This is to certify that this project entitled "SIMILARITY ANALYSIS OF SARS CORONA VIRUS 2 WUHAN-HU-IISOLATE AND INDIAN (KERALA) ISOLATE "submitted by Ms.R. Aishwarya, Mrs.G.Keerthi, Ms.R.Saranya., Ms.G.Suganya and Ms.B. Deepa Prabha for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

Date: 30.03.2021

Station: Madurai

(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Dr. A. Tamil Selvi, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

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R. Aishwarya. R

G. Keertho Mrs. Keerthi. G

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STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS

Project submitted to Fatima College (Autonomous), Madurai -18
In Partial Fulfilment of the requirements of the Award of
The Degree of Bachelor of Science in Zoology

Submitted By

Ms. AKSHAYA R (2018Z02)

Ms. MAHADEVI S (2018Z15)

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DEPARTMENT OF ZOOLOGY
FATIMA COLLEGE (Autonomous)
MADURAI- 625018
March, 2021

Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET Assistant Professor in Zoology, Fatima College (Autonomous), Madurai - 625 018.

This is to certify that this Project entitled "COMPARITIVE STUDY ON HUMAN ACID SPHINGOMYELINASE – USING BIOINFORMATICS TOOLS" submitted by for the degree of Bachelor of Science is based on the results of studies carried out by me under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the DEPARTMENT OF ZOOLOGY, MADURAI – 18. This project has not been submitted elsewhere for any other degree.

Head of the Department

(Dr. A. Tamil Selvi)

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Signature of the Guide

Dr. A. TAMIL SELVI

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I do hereby declare that this dissertation entitled "STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS" has been originally carried out by her under the guidance and supervision of Dr. Mrs. Antony Amala Jayaseeli Assistant Professor, Department of zoology Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

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"A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MISS. J. AROCKIA VICTORIYA (2018Z03)

MISS. M. MUTHUMEENAKSHI (2018Z16)

MISS. S. SATHYADIVYADHARSHINI (2018Z27)

MISS. S. THENMOZHI (2018Z36)

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DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" submitted by MS. J. Arockia Victoriya (2018Z03), MS. M. Muthumeenakshi (2018Z16), MS. S. Sathyadivyadharshini (2018Z27) and MS. S. Thenmozhi (2018Z36) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by her under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

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STATION: MADURAI

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(Dr. Mrs. N. Malathi)

I do hereby declare that this dissertation entitled "A COMPREHENSIVE STUDY ON THE PREVALENCE OF COVID ACROSS DIFFERENT STATES OF INDIA" has been originally carried out by her under the guidance and supervision of Dr. Mrs. N. Malathi, Assistant Professor, Department of zoology and Dean of Academic Affairs (Science), Research Guide and Supervisor, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

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A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

Ms. ASNA FATHIMA. S (2018Z04)
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DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this Project entitled "A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES" submitted by Ms.S.Asna Fathima, Ms.A.Nancy Dayana, Ms.U.Sathya and Ms.E.Thilagavathi for the degree of Bachelor of Science is based on the results of studies carried out by them under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the has not been submitted elsewhere for any other degree.

Station: Madurai

Date: 30.3 - 2021

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We do hereby declare that this dissertation entitled"A STUDY ON THE IMPACT OF EARTHWORMS IN THE DECOMPOSITION OF SOLID WASTES"submitted in partial fulfilment of Degree of Bachelor of Science in Zoology is a research work that has been originally done by us under the guidance and supervision of T. Malar Meenakshi, Assistant Professor in the Department of Zoology, Fatima college (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

Date: 30.3.2021

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"BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

MS. T BOOMADEVI (2018Z05)

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DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this dissertation entitled "Biodiversity of Insects (Madurai and Sivagangai District)" submitted by Ms. T. Booma devi, Ms. P. Nithya, Ms. T. Selva Priya, and Ms. M. Vidhya Nivashini as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision in Fatima College (Autonomous), Department of Zoology, during the academic year 2020 - 2021. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR. A. TAMIL SELVI)

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STATION: MADURAI

DATE: 13-03- 2021

We do here by declare that this dissertation entitled "BIODIVERSITY OF INSECTS (MADURAI AND SIVAGANGAI DISTRICT)"has been originally carried out by us under the guidance and supervision of Dr. Sr. BijiCyriac, department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

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A STUDY ON INSECT DIVERSITY IN SATHYA MOORTHY NAGAR, VADIPATTI, MADURAI

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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This is to certify that this dissertation entitled "A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI, MADURAI" submitted by R. Brindhaa (2018Z06), R. Pavithra (2018Z19), P. Vijithra (2018Z39) and T. Sevugapriya (2018Z30) as a partial fulfillment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR.A. TAMILSELVI)

V. Buty Signature of the guide

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STATION: MADURAI

DATE: 30 . 3. 2021

I do here by declare that this dissertation entitled A STUDY ON INSECT DIVERSITY IN SATHIYA MOORTHY NAGAR, VADIPATTI MADURAI Submitted to Fatima college. Madurai in partial fulfilment of requirement of the award of MASTER SCIENCE IN ZOOLOGY. Is a record of original project work done by me.I also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

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BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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This is to certify that this dissertation entitled "BIODIVERSITY ASSESSMENT IN THE SELECTED SITES OF SOUTH TAMIL NADU" submitted by Elaveni R (2018Z08) Prinsla Y (2018Z20), Shalini S (2018Z31), Vimala C (2018Z40) as a partial fulfilment for the degree of Bachelor of Science in Zoology is based on the results of studies carried out by them under my guidance and supervision during the academic year 2020-2021 in Fatima College (Autonomous), Department of Zoology, Madurai-18. This project work has not been submitted elsewhere for any other degree.

Head of the Department

(DR.A. TAMILSELVI)

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STATION: MADURAI

DATE: 13.03.2021

I do hereby declare that this dissertation entitled "Biodiversity Assessment in the selected sites of South Tamil Nadu" Submitted to Fatima college, Madurai in Partial fulfillment of requirement of the award of BACHELOR OF SCIENCE IN ZOOLOGY, is a record of original project work done by me. I also declare that this dissertation or part of work has not been published earlier elsewhere in any manner.

Place: Madurai

Date: 13.03.2021

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4. Prinsla

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EFFECTIVE NEEM LITTER RECYCLING THROUGH VERMICOMPOSTING

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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This is to certify that this dissertation entitled "Effective neem litter recycling through vermicomposting" submitted by S. Karthika, S. Rajeshwari, R. Sharmila and M. Mariya Lino Litisya, as a partial fulfillment for the Degree of Bachelor of Science in Zoology is based on the result of studies carried out by them under my guidance and supervision during the academic year 2019-2020 in Fatima College (autonomous), Department of Zoology, Madurai-18. This project has not been submitted elsewhere for any other degree.

Station: Madurai

Date : 30, 03. 2021

Signature of the Guide

Dr. S. Barathy

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Dr. A. TAMIL SELVI
Head, Dept of Zoology

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We do hereby declare that this dissertation entitled "Effective neem litter recycling through vermicomposting" has been originally carried out by us under the guidance and supervision of Dr. S. Barathy, Assistant Professor, Department of Zoology, Fatima College (autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

Station: Madurai

: 30.03.2021 Date

By

1. S. Karthika. 2. S. Rajeshevari 3. R. Shamila

4. M. Mariga Lino Litinya

SIMILARITY ANALYSIS OF SARS CORONA VIRUS WUHAN-HU-1 ISOLATE AND INDIAN (KERALA) ISOLATE

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

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DEPARTMENT OF ZOOLOGY
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March, 2021

This is to certify that this project entitled "SIMILARITY ANALYSIS OF SARS CORONA VIRUS 2 WUHAN-HU-IISOLATE AND INDIAN (KERALA) ISOLATE "submitted by Ms.R. Aishwarya, Mrs.G. Keerthi, Ms.R. Saranya., Ms.G. Suganya and Ms.B. Deepa Prabha for the degree of bachelor of science is based on the result of studies carried out by them under my guidance and supervision in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18. This project has not been submitted elsewhere for any other degree.

Date: 30.03.2021

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(Dr. A. Tamil Selvi)

Dr. A. TAMIL SELVI Head, Dept. of Zoology FATIMA COLLEGE (AUTONOMOUS) MADURAI-625 018

We do hereby declare that this work has been originally carried out by us under the guidance and supervision of Dr. A. Tamil Selvi, Assistant Professor & Head in the Post Graduate Department of Zoology, Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for any other degree.

Date: 30.03.2021

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STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS

Project submitted to Fatima College (Autonomous), Madurai -18 In Partial Fulfilment of the requirements of the Award of The Degree of Bachelor of Science in Zoology

Submitted By

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Ms. MAHADEVI S (2018Z15)

Ms. SARMILA M (2018Z25)

Ms. TAMILTHAI A (2018Z35)

Mrs. FAYISHA J (2015Z14)

Under the Guidance of Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET



DEPARTMENT OF ZOOLOGY
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March, 2021

Dr.Mrs. Antony Amala Jayaseeli, M.Sc, Ph.D, B.Ed, PGDBI, SLET Assistant Professor in Zoology, Fatima College (Autonomous), Madurai - 625 018.

This is to certify that this Project entitled "COMPARITIVE STUDY ON HUMAN ACID SPHINGOMYELINASE – USING BIOINFORMATICS TOOLS" submitted by for the degree of Bachelor of Science is based on the results of studies carried out by me under my guidance and supervision in FATIMA COLLEGE (AUTONOMOUS) at the DEPARTMENT OF ZOOLOGY, MADURAI – 18. This project has not been submitted elsewhere for any other degree.

Head of the Department

(Dr. A. Tamil Selvi)

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Anting Aurala Trysali.
Signature of the Guide

Dr. A. TAMIL SELVI

Head, Dept. of Zoology

FATIMA COLLEGE (AUTONOMOUS)

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Station: Madurai

Date: 30.03.2021

I do hereby declare that this dissertation entitled "STUDY ON HUMAN ACID SPHINGOMYELINASE USING BIOINFORMATICS TOOLS" has been originally carried out by her under the guidance and supervision of Dr. Mrs. Antony Amala Jayaseeli Assistant Professor, Department of zoology Fatima College (Autonomous), Madurai-18 and this work has not been submitted elsewhere for the award of any other degree.

STATION: MADURAI

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Signature of the Student

R. Akshaya Mahadevi s

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