

CERTIFICATE

This is to certify that the dissertation " USE OF OVERRECTAMIZED RATS FOR THE STUDY OF ERECTILE DYSFUNCTION" in the Department of Bio-Sciences and Bio-Technology submitted in partial fulfillment, for the award of degree in Master of Sciences Degree from the Krishna University, is the genuine article. Ponnuru Geethika Rani Sree conducted the research. The work is complete, thorough and of a high enough caliber in my opinion to justify its presenting for the exam. I further attest that the work has been completed under my supervision and has not previously been submitted to any other university for the purpose of receiving a Degree or Diploma.

Place:

Date:

Project Guide:

Dr. J. Naveena Lavanya Latha

J. Naveenderajal
19/9/2023

Head Of the Department:

Dr.L.SUSEELA

20/9/23
HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 093, A.P.

A. Krishna Sateja

DISSERTATION CERTIFICATE



KRISHNA UNIVERSITY

DEPT. OF BIOSCIENCES & BIOTECHNOLOGY

This is to certify that

KILLI RAVIKUMAR

As submitted a dissertation project on **"Microbial Production of Biodegradable Plastics from Agricultural Waste"** to Krishna University for the partial fulfillment of master in Biotechnology. We further certify that to the best of our knowledge and belief, the matter presented in this project has not been submitted to any other degree courses.

J. Narasimha
Supervisor 19/9/2023

[Signature]
Head of the department. 19/9/23

A. Krishna Satya
External Examiner

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. G. L ANJANI (Y21BIT101005) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 18/9/23


Dr. L.SUSEELA 15/9/23

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P

A. Krishna Satej
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the dissertation entitled **EQUINE AS THE PROMISING MODEL FOR THE ANALYSIS OF DEPRESSION** in Department of Biosciences and Biotechnology submitted in partial fulfillment, for the award of degree in Master of Sciences degree of the Krishna University which is the result of the bonafide. Research work carried out by **BULASARA JESSI**. I find the work complete, comprehensive and of sufficient high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any other university for the Degree or Diploma.

Place: *Mandipet* .

Date: *18/9/23* .

Project Guide : *J. Naveena*
Dr. J. Naveena Lavanya Latha *19/9/2023*

Head Of The Department : *L. Suseela*
Dr.L.SUSEELA *19/9/23* .

EXTERNAL EXAMINER: *A. Krishna Satya*

CERTIFICATE

This is to certify that the dissertation entitled "*STREPTOZOTOCIN (STZ) INDUCED DIABETES ANIMAL MODEL FOR STUDYING PANCREATITIS*" Department of Biosciences and Biotechnology submitted in partial fulfillment, for the award of degree in Master of Sciences degree of the Krishna University which is the result of the bonafide. Research work carried out by **Darivemula Jhansi Rani**. I find the work complete, comprehensive and of sufficient high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any other university for the Degree or Diploma.

Place: *Machilipatnam*

Date: *18/9/23*

Project Guide: *J. Naveena*
Dr. J. Naveena Lavanya Latha *19/9/23*

Head Of The Department:
Dr.L.SUSEELA

L. Suseela
19/9/23

A. Krishna Satya

CERTIFICATE


This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. K. RUKMINI NAGA JYOTHI (Y21BIT101009) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 18/9/23


Dr. L.SUSEELA 18/9/23

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT 18/9/23

HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P

A. Krishna Satya
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the dissertation entitled **RAT MODEL FOR PCOS STUDIES** in Department of Biosciences and Biotechnology submitted in partial fulfillment, for the award of degree in Master of Sciences degree of the Krishna University which is the result of the bonafide. Research work carried out by Machavarapu Sudha Mounika. I find the work complete, comprehensive and of sufficient high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any other university for the Degree or Diploma.

Place: *Machilipatnam.*
18/9/21.

Date :

Project Guide : *J. Naveena*
Dr. J. Naveena Lavanya Latha 19/9/21

Head Of The Department : *L. Suseela*
Dr.L.SUSEELA 19/9/21

A. Krishna Satya

KRISHNA UNIVERSITY

MACHILIPATNAM-521001



CERTIFICATE

This is to certify that the project report entitled "MOUSE MODEL FOR STUDY OF SKIN CARCINOGENESIS" is a bonafied work carried out by A.PRANAVI ,M.Sc (Final) Reg. No. Y21BIT101001 under my supervision is submitted in partial fulfilment of the requirements for the award of degree of Master of Science in Biotechnology to Krishna University, Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

J. Navarathna
SIGNATURE OF 19/9/2023

SUPERVISOR

Examined on:.....

A. Krishna Satya

[Signature]
SIGNATURE OF 20/9/23

HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003. A.P

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. P. POOJITHA (Y21BIT101016) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 15/9/23


Dr. L.SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT

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DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
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MACHILIPATNAM - 521 003, A.P

A. Krishna Satya
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. P.NAGA MANJUSHA (Y21BIT101017) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 18/9/23


Dr. L.SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM

A. Krishna Satej
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the dissertation entitled **Establishing a rapid animal model of osteoporosis with ovariectomy plus low calcium diet in rats** in Department of Biosciences and Biotechnology submitted in partial fulfilment, for the award of degree in masters of degree in biotechnology of the krishna university college of arts and science which is the result of bonafide. Research work carried out by **BATTINA.LALITHA KUMARI**. I find the work complete, comprehensive and of sufficient high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any university for degree or diploma.

Place: Machilipatnam

Date ;

Project Guide : *J. Naveena*
Dr. J. Naveena Lavanya Latha 14/6/23

Head of the department

Dr.L.Suseela

L. Suseela
15/9/23

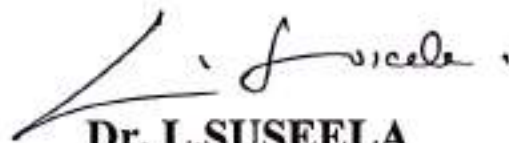
A. Krishna Satya

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. T. SRI VENKATA JAHNAVI (Y21BIT101026) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 15/9/23



Dr. L.SUSEELA

(PROJECT ADVISOR)



HEAD OF THE DEPARTMENT
HEAD

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UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P

A. Krishna Sathy
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. YAMINI VANA (Y21BIT101027) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 11/9/23


Dr. L.SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT

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DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003. A.P.

A. Krishna Satej
EXTERNAL EXAMINER

CERTIFICATE

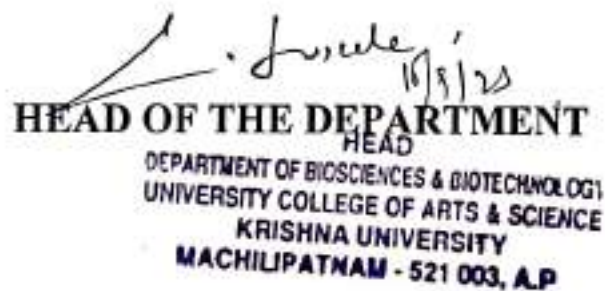
This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. V. GOWTHAMI (Y21BIT101028) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 12/9/23


Dr. L. SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT
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UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P.

A. Krishna Satej
EXTERNAL EXAMINER

DISSERTATION CERTIFICATE



KRISHNA UNIVERSITY

DEPT. OF BIOSCIENCES AND BIOTECHNOLOGY

This is to certify that **YELISETTI NANDINI** As submitted a
dissertation project on **“DEVELOPMENT OF ANIMAL MODEL FOR
HYPERCHOLESTEROLEMIA FOR THE STUDY OF EFFECT OF SPICES “**
to Krishna University for the partial fulfillment of master in
Biotechnology. We further certify that to the best of our knowledge
and belief, the matter presented in this project has not been
submitted to any other degree courses.

J. Naravelu
19/9/2023

Supervisor

[Signature]
15/9/23

Head of the department

A. Krishna Satya

External Examiner

CERTIFICATE

This is to certify that the dissertation entitled **COLON CANCER IN RAT** in **Department of Biosciences and Biotechnology** submitted in partial fulfillment, for the award of degree in Master of Sciences degree of the Krishna University which is the result of the bonafide. Research work carried out by Sonti Anusha . I find the work complete, comprehensive and of sufficient high standard to warrant its presentation for the examination. I further certify that the work has been carried out under my guidance and has not been submitted earlier to any other university for the Degree or Diploma.

Place: *Machilipatnam.*
Date: *18/9/23.*

Project Guide: *J. Naveena*
Dr. J. Naveena Lavanya Latha *18/9/23*

Head Of The Department: *L. Suseela*
Dr.L.SUSEELA *18/9/23.*

A. Krishna Satya

DISSERTATION CERTIFICATE
KRISHNA UNIVERSITY
DEPT OF BIOSCIENCES & BIOTECHNOLOGY



THIS IS TO CERTIFY THAT

JESSIKA PUTTA

As submitted a dissertation project on **CONSTRUCTION AND EFFECT AND EVALUATION OF DIFFERENT SCIATIC NERVE INJURY MODELS IN RAT** to KRISHNA UNIVERSITY, MTM, for the partial fulfillment of Masters degree in Biosciences and Biotechnology. We further certify that to the best of our knowledge and belief, the matter in project has not been submitted to any other Degree course.

J. Naveend
Supervisor 19/9/2021

L. Suneel 19/9/21
Head of the department

A. Krishna Satya
External Examiner

DISSERTATION CERTIFICATE



KRISHNA UNIVERSITY

DEPT. OF BIOSCIENCES & BIOTECHNOLOGY

This is to certify that

NURUKURTI LIVINGSTONE

As submitted a dissertation project on "**Molecular method of Determining the Genotype of Fatty (fa/fa) rats**" to Krishna University for the partial fulfillment of master in Biotechnology. We further certify that to the best of our knowledge and belief, the matter presented in this project has not been submitted to any other degree courses.

J. Navaneel 19/1/2023

Supervisor

[Signature] 18/1/23

Head of the department

A. Krishna Satija

External Examiner

CERTIFICATE

This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. S. JESSE JOY (Y21BIT101021) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

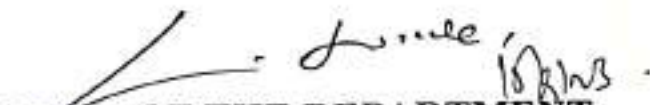
PLACE: MACHILIPATNAM

DATE :

18/9/23


Dr. L. SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT
HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P.

A. Krishna Satej
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project report entitled "PROSTRATE CANCER" is a bonafied work carried out by P.SHIVA NAGA GANESH (V21BIT101019) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University, Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE:

J. Naveena 19/9/2023
DR. J. NAVEENA LAVANYA LATHA

(PROJECT ADVISOR)

A. Krishna Satya
HEAD OF THE DEPARTMENT

HEAD
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P

A. Krishna Satya

CERTIFICATE


This is to certify that the project report entitled "ANIMAL HEALTH MONITORING IN ICMR NARFBR" is a bonafied work carried out by Ms. M. MAMATHA (Y21BIT101014) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 15/9/23


Dr. L.SUSEELA 15/9/23

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003. A.P.

A. Krishna Satej
EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project report entitled "*ANIMAL HEALTH MONITORING IN ICMR NARFBR*" is a bonafied work carried out by Ms. M. SELSIA RANI (Y21BIT101012) under my supervision is submitted in partial fulfillment of the requirements for the award of degree of Master of Science Bio Science & Bio Technology to Krishna University Machilipatnam, A.P. No part of the dissertation has been submitted for any degree/diploma or any other academic award any where before.

PLACE: MACHILIPATNAM

DATE: 18/9/23


Dr. L.SUSEELA

(PROJECT ADVISOR)


HEAD OF THE DEPARTMENT

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DEPARTMENT OF BIOSCIENCES & BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ARTS & SCIENCE
KRISHNA UNIVERSITY
MACHILIPATNAM - 521 003, A.P

A. Krishna Sathy
EXTERNAL EXAMINER