

Dated, Aizawl 14th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "The present position and control of rice disease in India" is a record done by Laldinmawii, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 14th October, 2021

(Dr. P.C. VANLALHLUNA)



Dated, Aizawl 14th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "The present position and control of rice disease in India" is a record done by Lalpekhlui, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 14th October, 2021

(Dr. P.C. VANLALHLUNA)



Dated, Aizawl 14th Oct., 2021

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October, 2021

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(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 14th October, 2021

(Dr. P.C. VANLALHLUNA)



Dated, Aizawl 14th Oct., 2021

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I hereby certify that the minor research project entitled "The present position and control of rice disease in India" is a record done by Lalremliani, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 14th October, 2021

(Dr. P.C. VANLALHLUNA)



Dated, Aizawl 14th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "The present position and control of rice disease in India" is a record done by Lalruatzuala Sailo, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 14th October, 2021

(Dr. P.C. VANLALHLUNA)



Dated, Aizawl 30th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "

Mitigation of particulate pollutants by plants" is a record done by Melody Lalremruati, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(Dr. GARIMA SINGH)



Dated, Aizawl 30th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "

Mitigation of particulate pollutants by plants" is a record done by

Mercy Vanrampani, B.Sc. V Semester, Department of Botany,

Pachhunga University College and it has not formed the basis for the

award of any degree, associate-ship or other similar title and that the

project represents an independent work on the part of the Principal

Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(Dr. GARIMA SINGH)

## PACHHUNGA UNIVERSITY COLLEGE (CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30<sup>th</sup> Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled Mitigation of particulate pollutants by plants" is a record done by R. Lalbiakngheti, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

(Dr. GARIMA SINGH)

Head of Department

Supervisor

Place: Aizawl

Date: 30th October, 2021

## PACHHUNGA UNIVERSITYCOLLEGE (CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30<sup>th</sup> Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "

Mitigation of particulate pollutants by plants" is a record done by R.

Lalthantluanga, B.Sc. V Semester, Department of Botany, Pachhunga

University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30th October, 2021

(Dr. GARIMA SINGH)

## PACHHUNGA UNIVERSITYCOLLEGE (CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30<sup>th</sup> Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "

Mitigation of particulate pollutants by plants" is a record done by V.

Lalremruatpuia, B.Sc. V Semester, Department of Botany, Pachhunga

University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30th October, 2021

(Dr. GARIMA SINGH)



## PACHHUNGA UNIVERSITY COLLEGE (CONSTITUENT COLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "Glimpses and impact of covid-19 pandemic second wave in Mizoram, India" is a record done by Cecilia Lalrinhlui Rokhum, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(Dr. H. LALRUATSANGA)

(Depelle



### PACHHUNGA UNIVERSITY COLLEGE (CONSTITUENT COLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

#### Certificate

October, 2021

I hereby certify that the minor research project entitled "Glimpses and impact of covid-19 pandemic second wave in Mizoram, India" is a record done by Daniel Lalawmpuia, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. H. LALRUATSANGA)

Supervisor

Date: 30th October, 2021

 $Ph - (0389) \ 2315212/2322257/2327095$ 



# PACHHUNGA UNIVERSITYCOLLEGE (CONSTITUENT COLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Glimpses and impact of covid-19 pandemic second wave in Mizoram, India" is a record done by H. Lalhriatkimi, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. H. LALRUATSANGA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Glimpses" and impact of covid-19 pandemic second wave in Mizoram, India" is a record done by H. Vanlalhriati, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. H. LALRUATSANGA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

1: MIZOKAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Glimpses and impact of covid-19 pandemic second wave in Mizoram, India" is a record done by HC Lalbiakdiki, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Investigator.

(Dr. H. LALRUATSANGA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review of algal diversity studies in Mizoram, India" is a record done by Lalsawmkima Hmar, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(ZOTHANMAWIA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review of algal diversity studies in Mizoram, India" is a record done by

Laltluangliana Pachuau, B.Sc. V Semester, Department of Botany,

Pachhunga University College and it has not formed the basis for the

award of any degree, associate-ship or other similar title and that the

project represents an independent work on the part of the Principal

Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(ZOTHANMAWIA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review of algal diversity studies in Mizoram, India" is a record done by Lily Parmawii, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

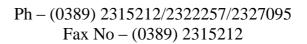
(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(ZOTHANMAWIA)





(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review of algal diversity studies in Mizoram, India" is a record done by Linda Lalnunmawii, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

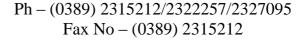
(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(ZOTHANMAWIA)





(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review of

algal diversity studies in Mizoram, India" is a record done by

Malsawmzuala Colney, B.Sc. V Semester, Department of Botany,

Pachhunga University College and it has not formed the basis for the

award of any degree, associate-ship or other similar title and that the

project represents an independent work on the part of the Principal

Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(ZOTHANMAWIA)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Study of

introduced and invasive weeds found in Pachhunga University College

Campus" is a record done by Amar Bikash Chakma, B.Sc. V Semester,

Department of Botany, Pachhunga University College and it has not

formed the basis for the award of any degree, associate-ship or other

similar title and that the project represents an independent work on the

part of the Principal Investigator.

Sd/

(Dr. H.S. THAPA)

(Dr. H.S. THAPA)

Head of Department

Supervisor

Place: Aizawl

Date: 30<sup>th</sup> October, 2021

(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Study of

introduced and invasive weeds found in Pachhunga University College

Campus" is a record done by C. Lalchhuanawma, B.Sc. V Semester,

Department of Botany, Pachhunga University College and it has not

formed the basis for the award of any degree, associate-ship or other

similar title and that the project represents an independent work on the

part of the Principal Investigator.

Sd/

(Dr. H.S. THAPA)

(Dr. H.S. THAPA)

Head of Department

Supervisor

Place: Aizawl

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Study of

introduced and invasive weeds found in Pachhunga University College

Campus" is a record done by C. Lalruatpuii, B.Sc. V Semester,

Department of Botany, Pachhunga University College and it has not

formed the basis for the award of any degree, associate-ship or other

similar title and that the project represents an independent work on the

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Sd/

(Dr. H.S. THAPA)

(Dr. H.S. THAPA)

Head of Department

Supervisor

Place: Aizawl

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Study of

introduced and invasive weeds found in Pachhunga University College

Campus" is a record done by C. Lalruatsangi, B.Sc. V Semester,

Department of Botany, Pachhunga University College and it has not

formed the basis for the award of any degree, associate-ship or other

similar title and that the project represents an independent work on the

part of the Principal Investigator.

Sd/

(Dr. H.S. THAPA)

(Dr. H.S. THAPA)

Head of Department

Supervisor

Place: Aizawl

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

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introduced and invasive weeds found in Pachhunga University College

Campus" is a record done by C. Lalsangzeli, B.Sc. V Semester,

Department of Botany, Pachhunga University College and it has not

formed the basis for the award of any degree, associate-ship or other

similar title and that the project represents an independent work on the

part of the Principal Investigator.

Sd/

(Dr. H.S. THAPA)

(Dr. H.S. THAPA)

Head of Department

Supervisor

Place: Aizawl

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review paper on the anticancer property of Piper betle leaf" is a record done by

Jimmy Vanlalhriatzela, B.Sc. V Semester, Department of Botany,

Pachhunga University College and it has not formed the basis for the

award of any degree, associate-ship or other similar title and that the

project represents an independent work on the part of the Principal

Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. VANLALHRUAII RALTE)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled

paper on the anticancer property of Piper betle leaf" is a record done by

K. Lalhruaichhungi, B.Sc. V Semester, Department of Botany,

Pachhunga University College and it has not formed the basis for the

award of any degree, associate-ship or other similar title and that the

project represents an independent work on the part of the Principal

Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. VANLALHRUAII RALTE)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review paper on the anticancer property of Piper betle leaf" is a record done by K. Lalrintluangi, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. VANLALHRUAII RALTE)

Supervisor

Date: 30th October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY) AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled "Review paper on the anticancer property of Piper betle leaf" is a record done by Lalawmpuii, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. VANLALHRUAII RALTE)

Supervisor

Date: 30<sup>th</sup> October, 2021



(CONSTITUENTCOLLEGE OF MIZORAMUNIVERSITY)

AIZAWL - 796001: MIZORAM

Dated, Aizawl 30th Oct., 2021

Certificate

October, 2021

I hereby certify that the minor research project entitled paper on the anticancer property of Piper betle leaf" is a record done by Lalchhandama, B.Sc. V Semester, Department of Botany, Pachhunga University College and it has not formed the basis for the award of any degree, associate-ship or other similar title and that the project represents

an independent work on the part of the Principal Investigator.

(Dr. H.S. THAPA)

Head of Department

Place: Aizawl

(Dr. VANLALHRUAII RALTE)

Supervisor

Date: 30<sup>th</sup> October, 2021