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CERTIFICATE

This is certifying that the present work in the form of project entitled "Use of different plant extract for control of viral diseases of Tomato" is carried out by Miss. Kolhe Dipali M. student of M.Sc. IV Semester during the academic year 2017-2018 under my guidance and supervision in Department of Botany, Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD. It has not been submitted or published anywhere in any form earlier.

Dr. Shrikant B. Mane

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Or. Babasaheb Approadkar Marathwada

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

This is certifying that the present work in the form of project entitled "use of different plant extract for control the viral disease of chilli" is carried out by Ku Mulik Anuja Vishnu, student of M.Sc. IV Semester during the academic year 2017-2018 under my guidance and supervision in Department of Botany, Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is certified that, student of Botany has successfully completed the project entitled "In vitro study of isolation of trichoderma from different soil "which is an original work carried out by the candidates for M.Sc. research project in Botany Department, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Under my Supervision it is work done by Miss.Kalpana gangadhar gaikwad M.Sc. Second year During the Academic year 2017-2018.

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This is certified that, student of Botany has successfully completed the project entitled "Isolation of Agriculture Waste Decomposing Fungi" which is an original work carried out by the candidates for M.Sc. research project in Botany Department, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Under my Supervision it is work done by Miss.pooja Bhagwat Ghadse. M.Sc. Second year During the Academic year 2017-2018.

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA" carried out by Reine Repulsage Kavita Manohar student of M.Sc. IInd year during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA? carried out by Miss. Bhale Priti Sharad student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA" carried out by Mr. Tandale Gopal Sakharam student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that Miss. MANE SUJATA SUNIL is an M.Sc. final year student has carried out his M.Sc. Dissertation entitled "To Study Back Cross Programme of Sesame" Plant of a part of partial fulfilment for the degree of MASTER OF SCIENCE IN BOTANY under my supervision in the Department of Botany, Dr.BabasahebAmbedkarMarathwada University, Aurangabad

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CERTIFICATE

This is to certify that the present work in the form of Dissertation entitle in "STUDIES OF GENOTOXIC EFFECT OF koelreuteria paniculata laxm. AND Argemone Mexicana" carried out by Gaje Kaveri Machhindra, student of 3rd and 4th semester during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is to certify that the present work in the form of Dissertation entitle in INDUCTION OF MUTATION IN VIGNA UNGUICULATA L. USING CHEMICAL MUTAGENS carried out by TANAJI PRABHAKAR YEWATE student of 3rd and 4th semester during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is to certify that the present work in the form of dissertation entitled "Induction of Mutation using chemical mutagens and Biochemical analysis of Trigonella foenum-graecum (fenugreess) I. is carried out by Miss. Borade Jayashri Satishrao student of M.Sc. IIIrd and IVth Semester during the Academic year 2017-18 under my Guidance and Supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. It has not been submitted or published anywhere in any form.

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other similar title. any other university for the award of any Degree, Diploma, or any [M.S.]. This work was not previously submitted by him to this or Babasaheb Ambedkar Marathwada University, Aurangabad her under my supervision in the Department of Botany, Dr. Doctor of Philosophy in the subject of Botany was carried out by entitled "In vitro propagation of Mimosa pudica L." submitted to Bull aboneb Ambedkar Marathwada University, Aurangabad by Seems Covardhan Argade for the award of the degree of This is to certify that the work incorporated in this thesis

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This is to certify that, the present work in the form of dissertables entitled "EFFECT OF DIFFERENT PRESERVATION METHOS: ON NUTRIENTS CONTENTS IN MENTHA SPICATA" carried out by Miss. Joshi Shubhangi Sakharam student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that, student of Dept. of Botany has successfully completed the project entitled "Antibacterial activity of plant extracts Bacterial blight of pomgranate" which is an Original work carried by the candidate for M.Sc. Research Project in the laboratory of Plant Pathology, Dept of Botany, Dr. B.A.M.U. Aurangabad.

Under my supervision it'd work done by Mr. Abhishek SitaramRaut, M. Sc. II year during the academic year 2017-2018

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CERTIFICATE

This is to certify that, student of Department Botany has successfully completed the project entitled ANTIFUNGAL ACTIVITY OF WILD MEDICINAL PLANTS EXTRACT AGAINST FUNGAL PATHOGEN which is an Original work carried by the candidate for M.Sc. Research Project in the laboratory of Plant Pathology, Department of Botany, Dr. B.A.M.U. Aurangabad.

Under my supervision it'd work done by Mr.Vishal Shesharao Rathod, M. Sc. II year during the academic year 2017-2018.

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This is to certify that Miss. Sanna Mansur Shaikh, student M.Sc. II, Dept. of Botany, has successfully completed the project work entitled "Biogenic Synthesis of Silver and Gold ano-particles using Fungi" which is an Original work carried by the candidate for M.Sc. Research Project in the laboratory of Plant Pathology, Dept of Botany, Dr. B.A.M.U. Aurangabad.

Under My supervision it'd work done by Miss. Sanna Mansur Shaikh, M. Sc. II year during the academic year 2017-2018

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This is certified that, Mis. Swati Govind Thoke student of Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, has successfully completed the project entitled, "Rhizosphere Mycoflora of Tomato field" which is an original work.

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA" carried out by Miss. Ganjare Sandhya Gangadhar student of M.Sc. IInd year during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that the present work in the form of Dissertation entitle in "Enumereation of Herbarium Speciman of BAMU Herbaria" carried out by Mrs.Gapat Swati Angad, student of 3rd and 4th semester during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. It has not been submitted or published anywhere in any form

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This is to certify that MR. SALUNKE JOTIRAM DEVIDAS is an M.Sc. final year student has carried out his M.Sc. Dissertation entitled "To Study Back Cross Programme of Sesame" Plant of a part of partial fulfilment for the degree of MASTER OF SCIENCE IN BOTANY under my supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

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This is to certify that MR. SALUNKE JOTIRAM DEVIDAS is an M.Sc. final year student has carried out his M.Sc. Dissertation entitled "To Study Back Cross Programme of Sesame" Plant of a part of partial fulfilment for the degree of MASTER OF SCIENCE IN BOTAMY under my supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

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This is to certify that, the present work in the form of dissertation entitled Back Cross programmed of Okra (Abelmoschus esculantus L.)" carried out by Miss. Wagh Kavita Rangnath student of M.Sc. Hnd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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dissertation extitled Back Cross programmed of Okra (Abelmoschus esculantus L.)** carried out by. Miss. Rajput Jaya P. student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that the present work in the form of dissertation entitled "Study of back cross programme in Guizotia abyssinica (L. f.) Cass." is carried out by Miss. Davane Sunaina Sheshnarayan student of M.Sc. IIIrd and IVth Semester during the Academic year 2017-18 under my Guidance and Supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is to certify that the present work in the form of dissertation entitled "In vitro propagation of *Spilanthes acmella Murr*." is carried out by Miss. Maya B.Hiwrale student of M.Sc. IIIrd and IVth Semester during the Academic year 2017-18 under my Guidance and Supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. It has not been submitted or published anywhere in any form.

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DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURNAGABAD MAHARASHTRA



This is to certify that, the present work in the form of dispension entitled "EFFECT OF DIFFERENT PRESERVATION MEGALOD ON NUTRIENTS CONTENTS IN MURRAYA KOENIGII" carried out by Miss. Bhale Ashwini Ramesh student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that, the present work in the form of dissertation entitled "EFFECT OF PHYSICOCHEMICAL FACTORS ON PRODUCTIVITY OF CROP" carried out by Miss. Kamble Shweta Suresh student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that the work incorporated in this thesis entitled "In propagation of Parkinsonia aculeate. L." submitted to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad by Ms. Sapna Sandiprao Deshmukh for the award of the degree of Descent of Philosophy in the subject of Botany was carried out by 1882 under my supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. This work was not previously submitted by him to this or any other university for the award of any Degree, Diploma, or any

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This is certified that, student of Botany has successfully completed the project entitled "In vitro study of some fungicide" which is an original work carried out by the candidates for M.Sc. research project in Botany Department, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Under my Supervision it is work done by Miss.Kalpana Ashokrao kanmude M.Sc. Second year During the Academic year 2017-2018.

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This is to certify that, student of Dept. of Botany has successfully completed the project entitled "Studies on Bioterioting Fungi From Different Fruits which is an Original work carried by the candidate for M.Sc. Research Project in the laboratory of Plant Pathology, Dept of Botany, Dr. B.A.M.U. Aurangabad.

Under my supervision it'd work done by Miss. Rekha Vitthal KatkarM. Sc. II year during the academic year 2017-2018.

GUIDED BY

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This is certified that, student of Botany has successfully completed the project entitled "Preparation of spawn on varies media for improving efficiency" which is an original work carried out by the candidates Shelke Manisha Bhagwanrao for M.Sc. research project in Botany Department, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Under my Supervision it is work done by Miss. Shelke Manisha Bhagwanrao M.Sc. Second year During the Academic year 2017-2018.

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DEPARTMENT OF BOTANY,

CERTIFICATE

This is certifying that the present work in the form of project entitled "COMPARITIVE STUDY ON PLEUROTUS SPECIES ON DIFFERENT AGRICULTURAL WASTES (OYSTER MUSHROOM)" is carried out by Miss. Jagdale Jagruti Jayram, student of M.Sc. IV Semester during the academic year 2017-2018 under my guidance and supervision in Department of Botany, Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD. It has not been submitted or published anywhere in any form earlier.

Dr. Shrikan B. Mane

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA" carried out by Miss. Ghante Ambika Iranna student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that, the present work in the form of dissertation entitled "ENUMEREATION OF HERBARIUM SPECIMAN'S OF BAMU HERBARIA" carried out by Mr. Gadhave Dnyaneshwar Narayan student of M.Sc. IInd year during the academic year 2017-2018under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University Aurangabad. It has not been submitted or published anywhere in any

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CERTIFICATE

This is to certify that the present work in the form of Dissertation entitle in "STUDIES OF GENOTOXIC EFFECT OF koelreuteria paniculata laxm. AND Argemone Mexicana" carried out by Nayka jayshri subhash, student of 3rd and 4th semester during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is to certify that the present work in the form of dissertation entitled "Study of back cross programme in Guizotia abyssinica (L. f.) Cass." is carried out by Mr. Vaibhav D. Misal student of M.Sc. IIIrd and IVth Semester during the Academic year 2017-18 under my Guidance and Supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. It has not been submitted or published anywhere in any form.

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CERTIFICATE

This is to certify that the present work in the form of Dissertation entitle in "INDUCTION OF MUTATION IN CYMOPSIS TETRAGONOLOBA L. USING CHEMICAL MUTAGENS" carried out by MR. WAVHALE MILIND MAHDEV, student of 3rd and 4th semester during the academic year 2017-2018 under my guidance and supervision in department of Botany Dr.Babasaheb Ambedkar Marathwada University, Aurangabad. It has not been submitted or published anywhere in any form.

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This is to certify that the present work in the form of dissertation entitled "In vitro propagation of Ceropegia bulbosa var.lushii" is carried out by Miss. Pratiksha P. Kulkarni student of M.Sc. IIIrd and IVth Semester during the Academic year 2017-18 under my Guidance and Supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. It has not been submitted or published anywhere in any form.

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This is to certify that the work incorporated in this thesis entitled "In vitro studies in Solanum nigrum" submitted to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad by Abdulrahman Esmail Mohammed Basha for the award of the degree of Doctor of Philosophy in the subject of Botany was carried out by her under my supervision in the Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [M.S.]. This work was not previously submitted by him to this or any other university for the award of any Degree, Diploma, or any other similar title.

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Professor and Head Department of Botany Dr. Babasaheb Ambedkar Marathwada Date: 09/04/2018

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