Gram : "Dnyanteerth"

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY

Dnyanteerth, Vishnupuri, NANDED - 431 606 (M.S.)



ता अवर्तान स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, अन्तीर्थ विष्णुप्त, संदेड- ४३१ हु०१,

Ref./PG/Guide_Recog./2011/ 68-1

Date:-30/ 07 / 2011

Research Supervisor Approval Letter

To,
Dr. BARDE RAVI DHONDIRAJ.
Asst.Prof. (Dept. of Zoology)
Shri. Guru Buddhi Swami College,
Puma. Dist:- Parbhani.

Subject: Recognition as a 'Research Supervisor'

Dear Sir/Madam.

It is my pleasure to welcome you to the Group of 'Research Guides' in the faculty of Science at S.R.T.M.University as your proposal for guideship, recommended by R.R.C., and is approved by B.U.T.R.. I am pleased to grant you Recognition as a Research Supervisor in Zoology. Your duties will commence on July 2011, and will terminate automatically if you do not supervise or guide any student for the duration mentioned in ordinance and do not follow the section VIII of Ph.D. Ordinance. The University Rules for Ph.D. guidance. Ph.D.Course Work and Thesis submission are included in the Ph.D. Ordinances Handbook. You will be provided a copy of the Ordinance prior to your official start date on payment of required fees.

It shall be your responsibility (i) to see to it that the 'Quota of Ph.D. students and M.Phil students working under you does not exceed the permissible limit at any given point of time. (ii) to complete 12 credits for Ph.D. Course Work of the students working under you. (iii) to forward the 'Progress Report' with clear remarks whether the progress is satisfactory or not or even delay in submission of 'Progress Report' (iv) to communicate the 'Willingness to guide no. of candidates' to the university every year.

We look forward to your developing a program of research, in the area of **Zoology**. The University regards excellence in research, and contributions to your subject in terms of 'Research Publications' of highest standard. Therefore, we expect excellence of publications, funded research, Ph.D. student guidance, and participation at regional and national seminars/workshops/symposia from you and research students working under your guidance.

DIRECTOR
(Board of College University Development)

Copy forwarded for information to:

 The Principal, Shri, Guru Buddhi Swami College, Purns. Dist: Parbhani.

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Manayityalaya

2. The Dean,

Estd.1983

Shri Guru Buddhiswarii Mahavidyalaya Perna (Jn.) Dist Parbhani

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Ports (Jo) Phone : (02462) EPBX 229242, 229243, 229250, 229251, FAX: 259461, 229245



। या विद्या या विद्युवनये ।।

स्वामी रामानद नोशं मराठवाडा विद्यापीत. नारंड

"जानतोटां" परिवार विष्युपूरी नाटेड ४१९६०६ (महाराष्ट्र)

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

"Dnyamicerth", Vishmipuri, Nanded - 431606 (Maharashira) Establishment on 17th September 1994 - Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade

юне: (02492) 229242/43 cs (02492) 229574

Website, srimun ac in

e-mail - dr.pg.sitmun@gmail (pm.

Ref.PG/Teach.Recog/2017-18/ 1424

Date:2017-18

12-12-2017

To,

Research Supervisor Approval Letter

Dr. SMT. GANGASAGAR PUSHPA YAMANAJI ASST. PROF. SHRI GURUBHUDDHISWAMI COLLEGE, PURNA(Jn.)

431511

Subject:- Recognition as a 'Research Supervisor'.

Dear Sir/Madam,

It is my pleasure to welcome you to the Group of 'Research Guides' in the faculty of "Science and Technology" at S. R. T. M. University as your proposal for Guideship recommended by RRC and is approved by B.O.D.(Board of Dean's). I am please to grant you will commence from 13/10/2017 will terminate automatically if you do not supervise or guide any student for the duration mentioned in ordinance and do not follow the section VIII of Ph.D. Ordinance. The University Rules for Ph.D. guidance. Ph.D. Course Work and Thesis submission are included in the Ph.D. Ordinances.

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(P.G. Section)

Copy forwarded for information to :

1. Prin. Dr. W.N. Jadhav

The Dean

Faculty of Science and Technology This University.

C/o Sharda Mahavidyalaya,

Null Dist.Parbhani

2. The Director / HOD / Principal

Shri. Gurubudhi Swami Mahavidyaleya uma(Jn.)

3. The Head of Research Centre N.E.S. Science College, Nanded

> Co-ordinator IQAC

Shri Guru Buddhiswami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431511 (M.S.)

PRINCIPAL Shri Guru Buddhiswami Mahavidyalaya Purna (Jn.) Dist.Parbhan

PHARMACOLOGICAL ACTIVITY AND PHYTOCHEMISTRY OF CYPERUS ROTUNDUS L.

M.D. Alure¹, S.M. Dalvi² and A.C. Shinde³

Science College, Nanded

²Shri Guru Buddhiswami Mahavidyalaya, Purna (Jn.) Dist. Parbhani ³Yeshwant Mahavidyalaya Nanded

manjushaalure@gmail.com1, sanjaydalvi4u@gmail.com2, shindeanil1113@gmail.com3

ABSTRACT

Cyperusrotundas L. belonging to Family Cyperaceaelias been used for a variety of medicinal purposes throughout history developing naturally in temperate, subtropical, and tropical environments. According to Ayurveda, the rhizomes of C. rotundas have been used traditionally to treat a variety of ailments, including stomach and intestinal disorders, as well as for antidiabetic, antimalarial, antidiarrheal, anti-inflammatory, antipyretic, and analgesic reasons. This review study assesses the pharmacognostic, phytochemical and physicochemical characteristics of the C. rotundus rhizome in addition to the many medicinal uses. Later, these characteristics may be used to easily identify C. rotundus grass, particularly in the case of powdered material, and they might even be able to tell the drugs apart from other species.

Keywords: Pharmacogonistic, phytochemistry, Cyperus rotundus, antidiarrheal

Introduction

The needs of primary healthcare have been satisfied by plant-based medical systems since thousands of years ago. Ancient cultures made considerable use of plant resources in their healing procedures. Particularly in developing and underdeveloped countries, more than 80% of the world's population still relies on plant resources. It is significant to highlight that the majority of modern medications are derived from plants, supporting many claims made regarding their efficacy. Due to the fact that they are made from plants, herbal therapies are considered to be secure (Mohd et al., 2021; Goli et al., 2021).

Numerous local and indigenous people in emerging Asian countries still source their basic needs from the medicinal plant products they make for a living based on their long-held knowledge and expertise. Most rural and tribal residents, many of whom reside in completely remote areas, are somewhat dependent on forest products, especially therapeutic herbs. The ethnomedicines made from the medicinal plants are believed to be more secure, and they have proven successful in treating a range of illnesses (Ansari et al., 2019; Mehrotra, 2020; Malik et al., 2020). A member of the Cyperaceae family, Cyperus rotundus L. is also? known as nut gross, in English, motha in Hipar & and nagarmothic in Marathi. There are

numerous health benefits that C. rotundus demonstrates.

The genus Cyperus contains common weeds that thrive in highland regions and rice paddies temperate tropical to temperatures. C.rotundus rhizomes are used in conventional folk medicine in Asian countries (Singh et.al,2016). The pharmacological profile of C. rotundus includes antidiabetic, antidiarrheal, anti-inflammatory, antipyretic, anti-ulcer, antimalarial, carminative, astringent, alleviate pain, aphrodisiac, anthelmintic, antioxidant, analgesic, and for the treatment of stomach and bowel diseases (Jaysweera, 1980; Mansoore etal., 2014; Sivapalan, 2018; Taheri et al., 2021). Long rhizomes, six linear-shaped, dark green leaves, and little flowers can be found on the herb C. rotunches (Stone, 1970). 2-4 bracts and a few thin stems make up the inflorescence. The nut is strongly triangular in shape, oblong in shape, and becomes yellow to black when fully grown. It is approximately half as tall as that of the glumes (Rose, 2003). Microscopic and FTIR spectroscopic analyses have also been performed on the powder of the dried rhizome of C. rotundus.

Numerous phytochemical analyses of C. roundus show the presence of numerous chapited compounds, including glycerol, myrishe, furochromones, stearic acids, and linolenic, as well as alkaloids, glycosides, flavordids, starch, tannins, sitosterol, mono

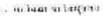
Co-ordinator

June 2021

Shri Guru Buddhiswami Mahavidyalaya Puma (Jn) Dist. Parkhani - 424511 (M.S.)

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POST GRADUATION SECTION

Website: srtmun.ac.in L-mail: pg@srtmun.ac.in

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To a 1 Recom/ 2021-22, fr 18

Date: 28-01-70

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Research Supervisor Approval Letter

Dr. Chavan Pallavi Narayan

. c. a. Caddin wami College, Purm

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Subject:- Recognition as a 'Research Supervisor'.

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If my pheasure to welcome you to the Group of 'Research Guides in the face' = at S. R. T. M. University as your proposal for Guid ... Sevente and Technology" adout to RRs, and is approved by B.O.D.(Board of Dean's). I am please to grat to " Zoology"

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We look forward to your developing a program of research, in the "" This University regards excellence in the conand higher to your subject in terms of Research Publications and higher attra

we are expect excellence of publications, funded research, Ph.D. student guiden start at regional and national seminars/ workshops/ symposia from you and use

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.Registrar P.G. Sexton 1

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The Director / HOD / Principal

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Shri Guru Buddhiswami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431511 (6.S.) Shri Guru Buddhiswami Mahavidyalaya Puma (Jn.) Olst Parbhani

Swami Ramanand Teerth Marathwada University, Nanded

M Sc. Practical Examination Order Winter- 2021

Dr. Suhas Satonkar VOS Lallege Cancalched Dist Paritions. External Examiner

Dr. Ajay Kurhe SGBS Callege Pterms Jul Disc Porbham Lyternal Lyanumy

Subject Practical Examination Winter - 2021

1 as M.Sc. I & H Year + Backlog

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I aim to communicate herewith the details of your assignment at the Practical Lame to Winnes 2021

1 vamination	Center	Date of Commencement	Last Date of Exam	Batch number to be Examined
Winner-2021	N.F.S. Science College, Nanded.	07/03/2022	08/03/2022	All Students (M+E)

INSTRUCTIONS

Exercises are requested a prepare two copies of Mark lists, out of which one mark his should send amount to Controller of Extransation, Exam Dept. by post in person immediately after conclusion of concern and not reactical, remaining mark list copy should send along with answer book Bundles and the line and its special messenger immediately after the conclusion of all practical committee was the centre

2 1: at Bay or material practical moved in above movement order, please conduct their practical and the property treatment of the control of the co

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Nanded

N.E.N. Science CollyphicGuru Buddhiswami Maharidyalaya Purna (Jn.) Dist.Parbhani

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NES SCIENCE COLLEGE NANDED

DEPARTMENT OF BOTANY, MICROBIOLOGY AND BIOTECHNOLOGY (Re-accredited With 'A' Grade by NAAC Bangalore with 3.38 CGPA)

Date: 13.06.2022

Relieving Letter

To,

The Principal, Guru Buddhi Swami College, Purna. Dist: Parbhani.

Dear Sir,

Dr.S.M.Dalvi has conducted M.Sc.Final Year Botany University Practical Examination as external examiner on 12.06.2022 and 13.06.2022 at Department of Botany, Science College, Nanded.

He has been relieved from his practical examination duties on 13th May, 2022 at 5.30 pm. Thanking you,

Yours Faithfully.

Professor and Head

Professor and Head Deptt.of Botany, Microbiology and Biotechnology, N.E.S. Science College, Nanded

Copy to:

Dr.S.M.Dalvi, Professor and Head, Department of Botany, Guru Buddhi Swami College, Purna.

Co-ordinator DAOL

Shri Com Suddhisyami Mahavidyalaya

Purna (Jn) Dist. Parbnani - 431511 (M.S.)

Garry Buddhiswami Habandra Purna (Jn.) Dist.Parbhani

B.Sc. Botany, Microbiology, Agricultural Microbiology, Biotechnology; M.Sc. Botany, Biotechnology, Microbiology and Herbal Medicine

H.No. 1-12, 1962, 26/08/1950 11MF 1261, 13/10/1661

NANDED EDUCATION SOCIETY'S

ENCE COLLEGE, NANDE

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded) (Re-accredited with "A" grade by NAAC (CGPA 3.38) 3rd Cycle, CPE Status, DST-FIST, NIRF Ranking-72 (Year - 2017), Best College award SRTMUN)

P.O. Box No.62, Such Nagar, Nanded --131605 (MS, India) P (O) 02462-251648, 250465 Fax.02462-250465 Email: sciencecollege 1950@gmnil.com Web: www.sciencecollegenanded.org

जा.ऋ. सार्कोनां/२०२१-२२/२-५८५

दि.०२.०६.२०२२.

प्रति. मा. डॉ. एस.एम. दळवी, प्रोफेसर. वनरपतीशास्त्र विभाग, श्री गुरुबुध्दी रवागी महाविद्यालय, पुणां, जि. परभणी.

विषय :

विषय तज्ञ म्हणुन उपस्थित राहणे बावत.

रे. विद्यापीठाचे पत्र क्र. Acad/ 02/ CAS-Committee/ 2021-2022/ 3691

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२. मा. सहसंचालक, उच्च शिक्षण, नांदेड विभाग, नांदेड यांचे पत्र क्र. विशिससं/उशि/नांवि/लले/२५८८ दि.२६.०५.२०२२.

महोदय,

यरील विषयास अनुसरुन सादर करण्यात येहे की आमच्या महाविद्यालयात दि.१४.०६.२०२२ रोजी कॅस अंतर्गत सहयोगी प्राध्यापक पदासाठीच्या भुलाखती आयोजीत केल्या आहेत. विद्यापीठाचे संदर्भिय पत्रान्वयं आपले नाव विषय तज्ञ म्हणुन दिले आहे. आपण दि.१४,०६,२०२२ रोजी दु.३.०० वाजता सायन्स कॉलेज, नांदेड येथे विषय तज्ञ म्हणुन उपस्थित राहुन सहकार्य कराचे ही विनंती.

सायन्स कॉलेज, नांदेड.

Co-ordinator

Shri Guru Buddhisvrami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431511 (M.S.)

Shri Guru Buddhicwami Hahavidyalaya Purna (Jn.) Dist. Parbha:

Vision: "To Educate and Transform the Youths to Touch Life at All Points with Human Values."



UMF 1261, 13/10/1661

SCIENCE COLLEGE NANDED

(Alfiliated to Swami Ramanand Teerili Marulingan, University Nanded

(Redicentine) with "A consequence of a second NRC Rankings" 21Ven - 2017 n Bach Configuration Second Second

P.O. Bro No.62 Such Nagar, Nanded - selectivity foliation (1.15) 0.40-2.25 (160), 25(60), president and a segmental experience of the segment of the segment

Ref No.: SCN/Exam/2021-2022/18 6 D

Date: - 15/06/2022

To,

Dr. S.L. Shinde
 Department of Botany,
 Rajiv Gandhi College Mudkhed.

External Examiner

2) Dr. S. M. Dalvi

Dept. of Botany, Gurubuddi Swami College Purna. External Examiner

Subject

Subject:- SRTMU Practical Examination Summer 2022 in M.Sc. Herbal Medicine.

Sir,

You are requested to work as an examiner in the Swami Ramanand Teerth Marathwada University Practical Examination as per the details of your assignment given below at N. E. S. Science College, Nanded centre.

Class	Subject	Paper No.	Date of Commencement		Time of Exam	Batch no.
M.Se. II **	Herbal Medicine	LCW-V	16/06/22	17/06/22	10.00-04.00	B-1

Instructions as per the University:-

- If any near blood relative of the examiner is examinee for concerned subject, then this
 appointment will be treated as cancelled. Concerns are requested to communicate
 accordingly.
- Examiners are requested to attend the practical examination centre before one hour from the commencement of practical examination.
- Examiners are requested to communicate their acceptance to the centre and university, immediately after receipt of this order.
- 4) Preparation day will be payable if examiners reports the centre one day before from the commencement of practical examination. For which only one D. A. will be payable.
- Examiners are requested to attach the photo copy of this order while submitting the remuneration and T. A./D. A. Bills.

Co-ordinator

Shri Guru Buddhlswami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431511 (M.S.)



Principal

PRINCIPAL

N. E. S. Science College, Nande-1





Dr. Gajanan Kurundkar <gajanan.kurundkar@gmail.com>

Science college practical examination order 2022

1 message

Dr. Gajanan Kurundkar <gajanan.kurundkar@gmall.com> To gajanan.kurundkar@gmail.com

Wed, Jun 15, 2022 at 9:43 AM

Laternal Laurencer

Internal Examiner





Swami Ramanand Teerth Marathwada University, Nanded

M.Sc. Practical Examination Order Summer, 2072

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Americant Profession

Department of Computer Science,

S. G. H. College, Purna (Jr.) Dist. Parbhani(MS)

Dr. Quaza Fartieen A.
 Assistant Professor.

Department of Computer Science

3 - Jon - at Mahayidyalaya, Nanded

Subject Practical I Namination Summer- 2022

1 Jan M.Sc. I-Year Sem-II & M.Sc II Year Sem-IV

Subject Computer Science

Paper No. AtSed Year Sem-II CS-205 Lab-3; VB.NUT Programming

Paper No. AlSe-II Year Sem-IV (So-405 Lab-7: DIP

Page No MSc-I Year Sem-II US-206 Lab-4: (Compiler Designing)

Page No MSc-Il Year Sem-IV CS-406 Lab-8: (Client Server Technology)

Sa Madami.

I am to communicate herewith the details of your assignment at the Practical

Lauremation in Summer-2022

Examination	Center	Date of Commencement	Last Date of Exam	Batch number to be Examined
M Sc 1 (Sem-II) & M Sc 11 Year (Sem-IV) Summer 2022	N.E.S. Science College, Nanded	17/06/2022	17'06/2022	All Students (M+E)

INSTRUCTIONS

directly to Controller of Examination and the post in person immediately after conclusion of the Principal by special senger to be post in person immediately after conclusion of the Principal by special senger to be placed along with dissert book Bundles the Principal by special senger to be placed at the center.

Co-ordinator
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eptance to the Centre & University, immediately

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(Re-accredited with Anguade by SAA to Contain 588 for a grant of Contain SAF Ranking, 72 (Year - 2017), Best College award SRINGS.

P.O. Box No.62, Such Nagar, Nanded - 431605 (NIS) Indian P. (1) 02467 (25) (48) (25) (48) (1) (27) (4) (4) Email ' screneccollege 1950 a grant con Web www.science collegenanted org

Ref No.: SCN/Exam/2021-2022/

Date:- 15/06/2022

To,

Dr. S.L. Shinde Department of Botany, Rajiv Gandhi College Mudkhed.

External Examiner

Dr. P.Y.Gangasagare Department of Botany

External Examiner

Shri Guru Buddhi Swami College, PURNA Dist.: Parbhani.

Subject: - SRTMU Practical Examination Summer 2022 in M.Sc. Herbal Medicine.

Sir.

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Class	Subject	Paper No.	Date of Commencement	100	Time of Exam	Batch no.
M.Sc. II 2"	Herbat Medicine	& VIII	18/06/22	19/06/22	10.00-04.00	B-1

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Shri Guru Buddhiswami Mahavidyalaya Purna (Jh) Dist. Parbhani - 431511 (M.2.)

Principal PRINCIPAL

N. B. S. Science College, Norde !

PRINCIPAL Shri Guru Buddhiswami Mahavidyalam Purna (Jn.) Dist.Parbhanl



R.No. F-12, 1962, 26/06/1950 UMF 1261, 13/10/1961

NANDED EDUCATION SOCIETY'S

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded) (Re-accredited with "A" grade by NAAC (CGPA 3.38) 3rd Cycle, CPE Status, DST-FIST, NIRF Ranking-72 (Year - 2017), Best College award SRTMUN) P.O. Box No.62, Such Nagar, Nanded - 431605 (MS, India) P (O) 02462-251648, 250465 Fax.02462-250465

Email: sciencecollege 1950@gmail.com Web: www.sciencecollegenanded.org

सं.क्र.: साकॉनां/२०२२-२३/1940-8

दि. २६/०७/२०२२

डॉ. ए. एस. कौसडीकर गणित विभागप्रमुख, गुरुबुध्दी स्वामी महाविद्यालय, पूर्णा, जि. परभणी.

> विषय : शैक्षणिक वर्ष २०२२-२३ साठी CHBच्या मुलाखती घेण्यासाठी विषय तज्ञ म्हणून उपस्थित राहणे बाबत.

महोदय.

वरील विषयास अनुसरुन कळविण्यात येते की, शैक्षणिक वर्ष २०२२-२३ मध्ये CHB च्या मुलाखती दि. २८/०७/२०२२ रोजी नांदेड एज्युकेशन सोसायटी, नांदेड येथे सकाळी १०.०० ते ०५.०० वाजेपर्यंत आयोजित केल्या आहेत. ह्या मुलाखती घेण्यासाठी आपण दि. २८/०७/२०२२ रोजी गणित या विषयासाठी विषय तज्ञ म्हणून उपस्थित राहून सहकार्य करावे ही विनंती.

आपला विश्वास्.

सायन्स कॉलेज, नांदेड

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TRICHODERMA SP. AS A BIOCONTROL MEASUREFOR PLANT DISEASES MANAGEMENT

Virupaksha A. Shejul, Ravindra R.Rakh*, Sanjay M. Dalvi**, Shital D. Maindale¹, Vaishnavi S.Nagthane² and Santosh M. Talekar"

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ABSTRACT

Harmful chemical fungicides as well as fertilizers which are being applied today for increasing crop production, creates very serious hazardous health problems to human beings and ecosystem as a whole. To overcome all these disadvantages caused by excessive use of chemical fungicides for controlling disease, a new approach evolved that uses micro-organisms for the control of phytopathogens i.e., biocontrol of disease. The antagonistic potential of Trichoderma species which has been long known to control various soil-borne fungal pathogens in biological way have been utilized. The faster growth rates with which it competes with fungal pathogen mainly brings upon their antagonistic characteristics. According to literature, it is revealed that Trichoderma spp are good for future practice as a biocontrol agent for controlling various plant pathogens.

Keywords: Plant disease, Chemical fungicides, Biocontrol agents and Trichoderma spp.

Introduction

Disease in plants, in a simple way defined as the series of invisible and visible responses of plant cells and tissues to a pathogenic organism or environmental factor that result in adverse changes in the form, function, or integrity of the plant and may lead to partial impairment or death of plant parts or of the entire plant (Agrios, 2005). Similarly, Plant diseases, by their presence prevent the cultivation of growth of food plants in some areas; or food plants may be cultivated and grown but plant diseases may attack them, destroy parts or all of the plants, and reduce much of their produce i.e., food, before they can be harvested or consumed(Agrics, 2005).

The losses produced due to plant diseases are usually lower in the developed countries and higher in the developing countries i.e., countries that need food the most. It is been estimated that of the 36.5% average of total losses, 14.1% are caused by diseases. Considering that 14.1% of the crops are lost to plant diseases the total annual worldwide crop loss from plant diseases is about \$220 billion(Agrios, 2005)

The agents that cause disease in plants are the same or very similar to those causing disease in humans and animals. They include pathogenic microorganisms, such as viruses, bacteria, fungi, protozoa, and nematodes, unfavourable environmental conditions, such as lack or excess of nutrients, moisture, and light, and the presence of toxic chemicals in air or soil(Agrios, 2005). Because it is not known whether plants feel pain or discomfort and because, in any case, plants do not speak or otherwise communicate with us, it is difficult to pinpoint exactly when a plant is diseased.

Traditional Plant Disease Management

Methods of plant disease management vary considerably from one disease to another, depending on the kind of pathogen, the host, the interaction of the two, and many other variables. In controlling diseases, plants are generally treated as populations rather than as individuals, although certain hosts (especially trees, ornamentals, and, sometimes, other virus-infected plants) may be Control measures are generally moself at the populations rather than a sew individual plants (Agrios, 2005).

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PREPARATION OF JELLY FROM FRUITS OF FICUS GLOMERATA ROXB.

Manjusha D. Alure

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ABSTRACT

In Indian forests occur a wide variety of fruits and vegetables. Now, India is the second largest producer of fruits and vegetables in world production (Patil et al., 2013). Vegetables and fruits serve as important and indispensable source of vitamins and minerals such as Calcium, Phosphorus, Iron and many other constituents (Kowalski et al., 2013). Post harvest losses of fruits are more series in developing country like India and total losses from harvest to consumer point are as high as 30-40%, which is worth of thousands of crores rupees. Fruit and vegetable processing is necessary where it ensures fair returns to the processors/growers to improve their economic condition. It also helps to mitigate the problem of under employment. The perishable fruits and vegetables are available as seasonal surpluses during certain parts of the year and are wasted in large quantities due to absence of facilities and know-how for proper handling, marketing and storage. Furthermore, massive amount of the perishable fruits and vegetables produced during particular season results in a glut in the market and become scare during other seasons (Ravani & Joshi, 2014). Developing fruit and vegetable based forest enterprise/entrepreneurship is an ideal development in poor communities as they have the potential to generate income and employment, while supporting sustainable management of the forests. Ficus glomerata Roxb. is a species belongs to family Moraceae. It is commonly called the cluster fig tree, Indian fig tree or goolar (gular) fig. This is native to Australia, Malaysia, Indo-China and the Indian subcontinent. It is unusual in that its figs grow on or close to the tree trunk, termed cauliflory. The confectionery product are highly popular among the children throughout the world due to their taste and flavor. Jelly is one of the sugar based product which is largely consumed by the children. The conventional Jelly are generally made from sugar, Peetin and other synthetic colors and flavors. (Sakhale, 2012) In the present investigation, the efforts have been made to incorporate the natural fig in the jelly to evaluate its quality. In India, less than 2% of fruits and vegetables produced are processed against 65% in the United States (Patil et al., 2013). Therefore, is a great scope to develop skills of local and forest dwelling communities for processing & value addition to the underutilized fruits and vegetables into various product like Jam, Jelly, Candy, Confectionary, Leather, Fruit Barx, Fruit Toffee and dried Fruit and Vegetable product. Also, forest based undermilized fruits are main source of livelihood for forest dwelling and local communities which have potential for commercial exploitation & yet to be utilized for their potential.

Keywords: Ficus glomerata, Fruit jelly, Hedonic scale, Shelf life, Pectin

Introduction

The dawn of time, medicinal plants have served as a source of healing for almost all societies. The prevalence of natural goods with therapeutic capabilities has been linked to the usage of herbal treatments and healthcare preparations that are derived from frequently used traditional herbs and medicinal plants, like those documented in ancient scriptures like the Vedas and the Bible.

It has also been widely recognised that traditional medicine and medicinal plants are used as a normative foundation for the preservation of good health in the majority of developing nations .Furthermore, the extraction and creation of several medicines and chemotherapeutics from these plants as well as from conventionally used medical plants has been linked to an increase in the reliance on the

IOAC Shrl Guru Buddhiswami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431517 (M.S.) does not have obvious aerial roots (Citation Varier, 1995). With more than 700 species, Ficus is a particularly big pan-tropical genus that is extensively dispersed in the drier regions of Asia, Africa, America, and Australia. Due of the synconia fig and specialist pollinator wasps that make up its distinctive reproductive system, it is kept as a single, huge genus F. glomerata often known as "Umbar," is a plant whose entire body is valued for its therapeutic properties in Ayurveda. It has been widely used to treat inflammatory illnesses, diabetes, diarrhoea, jaundice, dysentery, and biliary problems.

Fruits serve as a source of energy, vitamins, minerals, and dietary fibers. One of the barriers in increasing fruit and vegetables consumption is time required to prepare them. Overall, fruit bars have a usage of medicinal plants in industrial and state of medicinal pla greater nutritional value than the fresh fruits

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रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड 'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

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Date: 02/12/2022

Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Botany under the Faculty of Science & Technology is held on 02/12/2022 In the said meeting Ms. Shubhangi Vishwanath Buddhe has been allocated to Supervisor Dr. Sanjay Marotrao Dalvi to complete her Ph.D. work.

Address of the supervisor	Address of the Research centre
Dr. Sanjay Marotrao Dalvi, Professor, Department of Botany, Shri Gurubudhi Swami Mahavidyalaya, Purna, Dist. Parbhani	Department of Botany, Nanded Education Society's Science College, Sneh Nagar, Nanded-431602

Faculty of Science & Technology and Chairman, RAC

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- 2. Research Centre for information and necessary action.
- 3. Research scholar

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- १, दि. १२/०५/२०१५ च्या मा. विद्या परिषद बैठकीत विषय क्र. ०२/३४-२०१५ व नुसार आर.ए.सी. ने गाईडकडे विद्यार्थी दिल्यानंतर गाईडने नकार दिल्यास त्यांना पुढील दोन वर्षे विद्यार्थी वेण्यात येऊ नयेत, असे ठरलेले आहे.
- २. दिनांक ०६/०३/२०१९ च्या मा. अधिष्ठाता मंडळाच्या बैठकीत विषय क्र.१९/१२-२०१९ नुसार आर.ए.सी. झालेल्या तारखेनंतर एक वर्षाच्या आत संशोधकाने आर.आर.सी. बैठकीस उपस्थित राहून संशोधन शीर्षक मान्य करणे अनिवार्य राहील. तसेच आर.आर.सी. बैठकीत संशोधन शिर्षक मान्य झाल्यानंतर एक वर्षात विहित शुल्क भरून संशोधन केंद्र तसेच पदव्युत्तर विभाग येथे रूजू होणे बंधनकारक आहे. आर.ए.सी. नंतर वर्षभरात दोन आर.आर.सी. झाल्या नाहीत तर दोन आर.आर.सी. होईपर्यंत मुदत ग्राह्म धरली जाईल. आर.ए.सी. नंतर आर.आर.सी. समोर बेळेत उपस्थित राहून देखील आर.आर.सी. ने विषयात काही सुधारणा सुचविली असेल तर अशा उमेदबारांना पुढील एक वर्षांच्या आत विषय मान्यता घेऊन त्याच वर्षी संशोधन केंद्रावर रूजू होणे अनिवार्य राहील. तसे केल नाहीतर ती

पीएच.डी.चा संशोधन कालावधी भ्रा कालावधीनंतर मुदतवाढ दिली जाणार नाही.

भृंबंधित उमेदवारांनी Rescarch Methodology, Computer Application, Co-ordenatedh and publication कोर्सवर्क परीक्षा उत्तीर्ण झाल्याशिवाय त्यांची पीप्रुव डी. नोंदणी कायम केली

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Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Zoology under the Faculty of Science & Technology is held on 06/12/2022

In the said meeting Ms. Pooja Rajesh Bhatia has been allocated to Supervisor Dr. Pallavi Narayan Chavan to complete her Ph.D. work.

Address of the supervisor		Address	of the Re	search c	entre		
Dr. Pallavi Narayan Chavan, Assistant Professor, Shri Guru Buddhiswami M Purna, Dist.: Parbhani – 431511	Mahavidyalaya,	Science 431602	College,	Sneha		Nanded-	

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- 3 Research scholar

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- १ दि १२/०५/१०१५ च्या मा विद्या परिषद चैतकीत विषय क्र ०२ ३४ ९०१५ व नुसार आर ए.सी. में गाईडवार जिल्हामी दिल्यासार गाईदन नकार दिल्यास त्याना पदील दोन वर्षे विद्यार्थी देण्यात येऊ नवेत, असे उरलेले आहे.
- र विभाग वर्षक **११०१९ च्या मा. अधिक्षाता मंदळाच्या बेउग्रीत विभाग क** १९ १६ २०१९ गमार आगण सी उपलेख्या तारखेनता एक व्यंपन प्रात मंत्रोधकाने प्रात आर सी. वैद्ववीस उपस्थित राहुन संत्रोधन शर्मक प्रान्य करणे अनिवार्य सहीत. तसेच आर.आर.सी. वेडकीन संशोधन शीर्षक मान्य झाल्यानंतर एक वर्षात विहित शलक भारतकाण है। ्र तसेच पदव्यत्तर विभाग येथे रूज होणे पंचनकारक आहे. आर ए.सी. पंतर वर्षभरात दोन आर आर सी. आल्या, सी. होईपर्यंत मदन ग्राह्म धरली आईल हार और नहें। असे आए सी, समीर नेदीन उपस्थित सहन देखील अ स्प्राणा सुविधनी असेन मर अगा अरवनांश पुढील एक वर्षांच्या भाव क्रिंगानाता पेक्रन त्याच वर्षी सिद्ध

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MULTILOGIC IN SCIENCE

ISSN 2277-7601

An International Refereed, Peer Reviewed & Indexed Quarterly Journal for Applied science ROLE OF FUNGAL SPECIES IN MANAGEMENT OF STEM ROT DISEASE OF GROUNDNUT (Arachis hypogea L.) Shital D. Maindale, Ravindra R. Rakh*, Virupaksha A. Shejul**, and Sanjay M. Dalvi*.

Department of Botany, Science College, Nanded. *Department of Microbiology, SGBM, Puma.

** Department of Botany, Mrs. KSK College, Beed. Department of Botany, SGBM, Purna.



RESEARCH PAPER IN BOTANY

Abstract:

Sclerottum rolfsit Sacc. is a destructive soil borne fungal pathogen infecting about more than 500 plant species worldwide including groundnut (Arachis hypogea L.). Groundnut is an important oil seed crop in the world. Scierotium rolfsti Sacc. is one of the major production constraints of groundnut. The fungus infects lower stems of groundnut, which are in contact with the soil as well as pegs, pods, and roots. The traditional agricultural practice employed to control the plant disease have severe disadvantage and is not eco-friendly. Excessive use of chemical fungicides in agriculture has led to deteriorating human health, environmental pollution. Biological control offers an interesting alternative to fungicides for sustainable management of soil borne diseases. The use of fungi as biocontrol agent is greatly beneficial due to their metabolic diversity and their relative environmental safety, as they are primarily decomposers. Trichoderma harztanum, T. viride, Aspergillus sp., Fusarium sp., Gliocladium sp and Petriclla sp are known to be important biocontrol agents.

Key words: Groundnut, Stem rot, Scierottum rolfsti Sacc, Biocontrol agents, Trichoderma sp.

Introduction:

Groundnut (Arachis hypogea L.), an important oil seed crop in the brid, belongs to family Fabaceae, Groundnut is the 4th most important source of edible oil, and is ranked as 3rd most important source of vegetable protein in the world (Smith, 2002). Groundnut is grown in nearly 100 countries. India is the second largest producer of groundnut after China. Groundnut is largest oilseed in India in terms of production. The most important groundnut growing countries are India, China, Nigeria, Sudan and USA (Handbook on Grading of food Grains and oilseeds). Groundnut is cultivated worldwide in an area of 28 M ha with a total production of 47 Mt averaging a productivity of 1.6 t ha-1 (FAO. 2017). The leading producers of the groundnut crop include China (54%), India (22%), and USA (9.03%). In India, the crop is mostly grown in the states of Gujarat, Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Rajasthan, and Maharashtra constituting about 80 percent of the total area and production of groundnut.

The groundnut contains more protein (25-36 %) than meat, about two and a half times than in eggs, and far more than any other vegetable food except soybean and yeast, Groundnut seeds contain 46-52% oil content which is used for cooking purposes. It contains resveratrol, a polyphenol antioxidant, which has been found to have protective function against cancer, heart disease, degenerative nerve disease and yiral infections. This signifies the importance of groundnut for human e and thus encourages for increasing its production and productivity. Groundnut crop is prone to attack by different pathogens and to a much larger extent than many other crops. More than 100 pathogens have been reported to affect groundnut, but only a few are economically important in India such as leaf-spot (Tikka), early leaf-spot (Cercospora arachidicola), late leaf-spot (C. personatum), rust (P. arachidis), and aflatoxin contamination (Aspergillus flavus and A. parasitious). The other diseases such as collar rot (A. niger), Stem-rot (S. rolfsti), root-rot (M. phaseolina), bud necrosis (tomato spotted wilt virus), clump and peanut (groundnut) mottle disease are localized (Subrahmanyam et al., 1980). In all these diseases of groundnut, one of the most emerging and rapidly spreading disease is the stem rot disease of groundout caused by S. rolfsti. To control the plant diseases various traditional practices are being followed.

Stem Rot Pathogen:

The pathogen Scierotum rolfsii Sacc., is a soil borne pathogen. It commonly occurs in the tropics, sub-tropics and other warm temperate regions of the world causing root of stem rot, wilt and foot rot on more

than 500 plant species including almost all the agricultural and horticultural crops (Aycock, 1966; Domsch et al., 1980; Farr et al.,

Sclerotium rolfsit was first reported by Rolfs (1892) later the pathogen was named as Scierotium rolfsti by Saccardo (1911). Higgins (1927) worked in detail on physiology and parasitism of S. rolfsii. This was the first detailed and comprehensive study in USA. Sclerotia initially white in color, later it becomes light brown to dark brown at maturity and they are sub spherical, the surface finely wrinkled, sometimes flattened (Subramanian, 1964 and Mehan, 1995). This pathogen Sclerotium rolfsii forms brown selerotia which are very well-organized compact structures, built of three layers, the rind, composed of empty melanized cells; the cortex cells, filled with vesicles and the medulla (Chet, 1975). Sclerotia may be spherical or irregular in shape and at maturity resemble the mustard seed (Taubenhaus, 1919, Barnett and Hunter, 1972). Sclerotial size was reported to be varied from 0.1 mm to 3.0 mm (Om Prakash and Singh, 1976; Ansari and Agnihotri, 2000 and Anahosur, 2001).

Disease symptoms:

The fungus infects lower stems of groundnut, which are in contact with the soil as well as pegs, pods and roots. Infected plants show wilting of one or few branches initially, but the whole plant may wilt and die within few weeks of infection. Whitish fungal mycelium and light-todark-brown sclerotia appear on the soil surface and diseased plant tissues (Lindermann and Gilbert 1973, Punja and Rahe, 1992).

Disease Cycle of Stem Rot Pathogen and its Dissemination:

The pathogen survives as a saprophyte on plant debris, even debris from non-host crops. Sclerotia survive well (3-4 years) at or near the soil surface but survive poorly when buried deep because the fungus has a high oxygen demand (Mehan et al., 1994). Infection starts from sclerotia that germinate eruptively in the presence of volatile compounds from decaying organic matter under warm and moist conditions. As warm and moist climatic conditions favour disease development. The fungus mycelia colonize plant debris or other organic matter before infecting living plant tissue. Any part of the groundnut plant that comes in contact with the soil is infected with fungus. In warm and high moisture condition, the occurrence of stem rot usually coincides with early stages of peg and pod development. Stem rot develops at all the growth stages (10-90 days) but disease development is slow in older (more than 40 days old) plants than the younger plants ds et al., 1994).

Co-ordinator

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Date: 29/03/2023

To.

1) Dr. D. V. Kamthane

Shri. Guru Buddhi Swami College, Purna

2) Dr. M.M.V. Balg

External Examiner

External Examiner

Yeshwant Mahavidyalaya, Nanded

Subject:- SRTMU Practical Examination Summer 2023 in subject Agricultural Microbiology. Sir.

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PRINCIPAL

Commission Shri Guru Buddhiswami Mahavidyalaya

Science College Purna (Jn.) Dist Parbhani

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1/28 No. 18231-1825-19291

॥ सा विद्या वा विपुत्रतवे ॥



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

नानडीक्षे, विष्णुप्री, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) मारत

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Ref: PET2022/alloc/2022-23/42-67

Date: 28/04/2023

Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Botany under the Faculty of Science & Technology is held on 28/04/2023 In the said meeting Mr. Sachin Ashok Lokhande has been allocated to Dr. Pushpa Yamnaji Gangasagar to complete his Ph.D. work.

Address of the supervisor	Address of the Research centre
Department of Botany, Shri Gurubudhi Swami Mahavidyalaya, Purna, Taluka : Purna District: Parbhani	Department of Botany, Science College, Nanded

Faculty of Science & Technology and Chairman, RAC

Copy to:

- Supervisor, with request to accommodate and supervise the aforesaid Research Scholar.
- Research Centre for information and necessary action.
- Research scholar

टिप: .

- र. दि. १२/०५/२०१५ च्या मा. विद्या परिषद बैठकीत विषय क्र. ०२/३४-२०१५ व नुसार आर.ए.सी. ने गाईडकडे विद्यार्थी दिल्यानंतर गाइँडने नकार दिल्यास त्यांना पुढील दोन वर्षे विद्यार्थी देण्यात येऊ नयेत, असे ठरलेले आहे.
- २. दिनांक ०६/०३/२०१९ च्या मा. अधिष्ठाता मंडळाच्या बैठकीत विषय ऋ.१९/१२-२०१९ नुसार आर.ए.सी. झालेल्या तारखेनंतर एक वर्षाच्या आत संशोधकाने आए.आए.सी. बैठकीस उपस्थित राहून संशोधन शर्षिक मान्य करणे अनिवार्य राहील. तसेच आए.आए.सी. वैठकीत संशोधन शीर्षक मान्य झाल्यानंतर एक वर्षात विद्वित शुल्क भरून संशोधन केंद्र तसेच पदव्युत्तर विभाग येथे रूजू होणे वंधनकारक आहे. आर.ए.सी. नंतर वर्षभरात दोन आर.आर.सी. झाल्या नाहीत तर दोन आर.आर.सी. होईपर्यंत मुदत प्राहा धरली जाईल. आर.ए.सी. नंतर आर.आर.सी. समोर बेळेत उपस्थित राहून देखील आर.आर.सी. ने विषयात काही सुधारणा सुचविली असेल तर अशा उमेदवारांना पुढील एक वर्षांच्या आत विषय मान्यता पेऊन त्याच वर्षी संशोधन केंद्रावर रूजू होणे अनिवार्य राहील. तसे केल नाहीतर ती नोंदणी ग्राह्म घरली जाणार नाही.
- पीएव.डी.चा संशोधन कालावधी सहा वर्षे असेल. या कालावधीनंतर मुदतवाढ दिली जाणार नाही.

४. दि.२०/०६/२०२० च्या मा.विद्या परीपरेच्या निर्णयानुसार संबंधित क्षेत्र सम्बद्धिः Research Methodology, Computer Application, क्रियाल्याशिवाय त्यांची पीएच.डी. चौरणी कायम केली Research and publication Ethics या तीन विषयाची जाणार नाही.

Co-ordinator IQAC

Shri Guru Buddhiswami Mahavidyalaya Purna (Jn) Dist. Parbhani - 431511 (M.S.)

PRINCIPAL Shri Guru Buddhiswami Hahavidyalaya Puma (Jn.) Dist.Parbhanl



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Ref. PET2022/alloc /2022/24/1/4/2/2

Oate: 04/05/2023

Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Zoology under the Faculty of Science & Technology is held on 04/05/2023

In the said meeting Ms. Mohini Rajkumar Baldawa has been allocated to Supervisor Dr. Ravi Dhondiraj Barde to complete her Ph.D. work.

Address of the supervisor	Address of the Research centre
Dr. Ravi Dhondiraj Barde, Associate Professor, Shri Guru Buddhiswami Mahavidyalaya, Purna Dist.: Parbhani 431511	Science College, Sneha Nagar, Nanded- 431602

Faculty of Science & Technology and Chairman, RAC

Copy to

- Supervisor, with request to accommodate and supervise the aforesaid Research Scholar.
- 2 Research Centre for information and necessary action.
- 1 Research scholar

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- 🤄 १२१०५/२०१५ च्या या. विद्या परिषद बैटकीत विषय क्र. ०२/३४-२०१५ च नुसार आर.ए.सी. ने माईडकटे विद्यार्थी दिल्यानंतर माइंटर नहाम हिल्लाम स्वाना पदील होन वर्षे विद्याची देण्यात ग्रेऊ नयेत, असे उत्होले आहे.
- २ विकास १९/२३/२०१९ वर्गा गा. अर्थिशाला महत्याच्या बैदकीत विषय ऋ.१९/१२-२०१९ तुमार आर.ए.सी. आहोल्या सारक्षेत्रतर एक वर्षाच्या आत्र स्थापकान आरआर सी. बैहर्कास अपस्थित सहन संशोधन शीर्षक मान्य करणे अतिवार्य ससील. तसेच आर.आर.सी. वेहकीत संशोधन शीर्थक मान्य झाल्यानंतर एक वर्षांत विहित शुल्क भरून संशोधन केंद्र तारेच पदव्यत्तर विभाग येथे रूज् होणे वचनकारक आहे. अत ए में जनर वर्षमधन दोन आर आर सी. झाल्या ना<u>हीत तर दोन आर आर सी. होईपर्यंत मुदत प्राह्म घरली</u> जाईल अव पनी, उटर आर आर भी, सवीर चेच्ट्रेत उपरिचन राहन देखील. के ज्ञियात कारी मधाएग मचित्रने अमेल वर अजा कादबारामा पुरीत्म एक वर्षा जा पूछ विष्या मान्यता पेत्रत त्या विक्रिक्तिक । होणे अधिवार्व सारी ्रामो के क्रियानहीं हर हो The street with the street of the second

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Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Zoology under the Faculty of Science & Technology is held on 04/05/2023

In the said meeting Ms. Sneha Sanjay Tamke has been allocated to Supervisor Dr. Ravi Dhondiraj Barde to complete her Ph.D. work.

Address of the supervisor	Address of the Research centre
Dr. Ravi Dhondiraj Barde, Associate Professor, Shri Guru Buddhiswami Mahavidyalaya, Purna Dist.: Parbhani - 431511	Science College, Sneha Nagar, Nanded- 431602

Faculty of Science & Technology and Chairman, RAC

 Supervisor, with request to accommodate and supervise the aforesaid Research Scholar. Copy to:

Research Centre for information and necessary action.

3. Research scholar

र, दि. १२/०५/२०१५ ज्या मा. विद्या परिषद बैठकीत विषय क्र. ०२/३४-२०१५ व नुसार आर.ए.सी. ने गाईडव डे विद्याची दिल्यानंतर गाईडने नकार दिल्यास त्यांना पुढील दोन वर्षे विद्याची देण्यात येऊ नवेत, असे ठालेले आहे

२ दिनांक ०६/०३/२०१९ च्या मा. अधिष्ठाता मंढळाच्या बैठकीत विषय ऋ.१९/१२-२०१९ नुसार आर.ए.सी. झालेल्या तारखेनतर एक वर्षांच्या आत संशोधकाने आर.आर.सी. बैठकीस उपस्थित सहून संशोधन शीर्षक मान्य बन्छे अनिवार्य सहील. तसेच आर.आर.सी. बेटकीत संशोधन शीर्षक मान्य झाल्यानंतर एक वर्षात बिहित शुल्क भरून संशोधन केंद्र तसेच यदब्युत्तर विधान वेथे रून् होणे वंचनकारक आहे. आर.ए.सी. नंतर वर्षभरात दोन आर.आर.सी. झाल्या नाहीत तर दोन आर.आर.सी. होईपर्यंत मुदत प्राद्ध घरली जाईल. आर.ए.सी. नंतर आर.आर.सी. समोर मेळेत उपस्थित राहृत देखील आर.आर.सी. ने निषयात काही सुधारणा सुचिवली असेल तर अशा उमेदबारांना पुढील एक वर्षाच्या आत विषय मान्यता पेऊन त्याच वर्षी संयोधन केंद्रावर सब् होणे अनिवार्य राहील. तसे केल नाहीता ती मोदणी प्राप्त धरली जाणार नाती.

दौएव दी वा संशोधन कालावधी सहा वर्षे असेल. या कालावधीनंतर मुदतवाढ दिली जाणार नाही.

🗴 दि २०/०६/२०२० च्या मा विद्या परीषदेच्या निर्णयानुसार संबंधित उमेदवारांनी Research Methodology, Computer Application, Research and publication lithics या तीन विषयाची कोशंनुक्रमाना अवस्त्री पाल्याशिवाय त्यांनी पीएच डी नॉटपी कायम केली

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PRINCIPAL Shri Guru Buddhiswami Mahavidyalaya Purna (Jn.) Dist.Parbhan

।। सा विका का शिव्यक्ति ।।



काननीर्थ', विष्णुप्री, मविष्ठ - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

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Date: 07/07/2023

Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2022 in the Subject of Botany under the Faculty of Science & Technology was held on 07/07/2023. In the said meeting Mr. Kadam Vishnu Narayanrao has been allocated to Dr. Sanjay Marotrao Dalvi to complete his Ph.D. work.

Address of the supervisor	Address of the Research centre
Department of Botany, Shri Gurubudhi Swami Mahavidyalaya, Purna	Department of Botany, Science College, Nanded

Faculty of Science & Technology and Chairman, RAC

Copy to:

- 1. Supervisor, with request to accommodate and supervise the aforesaid Research Scholar.
- 2. Research Centre for information and necessary action.
- 3. Research scholar

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- १. दि. १२/०५/२०१५ च्या मा. विद्या परिषद बैठकीत विश्य क. ०२/३४-२०१५ व नुसार आर.ए.सी. ने गाईडकडे विद्यार्थी दिल्यानंतर गाईडने नकार दिल्यास त्यांना पुढील दोन वर्षे विद्यार्थी देण्यात मेळ नथेत, असे ठरलेले आहे.
- २. दिनांक ०६/०३/२०१९ च्या मा. अधिष्ठाता मंडळाच्या बैठकीत विषय क.१९/१२-२०१९ नुसार आर.ए.सी. झालेल्या तारखेनंतर एक वर्षांच्या आत संशोधकाने आर.आर.सी. बैठकीस उपस्थित राह्न संशोधन शीर्षक मान्य करणे अनिवार्य राहील. तसेच आर.आर.सी. बैठकीत संशोधन शीर्षक मान्य झाल्यानंतर एक वर्षात विहित शुल्क भरून संशोधन केंद्र तसेच पदब्युत्तर विभाग येथे रूज् होणे बंधनकारक आहे. आर.ए.सी. नंतर वर्षभरात दोन आर.आर.सी. झाल्या नाहीत तर दोन आर.आर.सी. होईपर्यंत मुदत ग्राह्म धरली जाईल. -आर.ए.सी. नंतर आर.आर.सी. समोर बेळेत उपस्थित राहन देखील आर.आर.सी. ने विषयात काही सुधारणा सुचविली असेल तर अशा उमेदवारांना पुढील एक वर्षाच्या आत विषय मान्यता पेऊन त्याच वर्षी संशोधन केंद्रावर रूजू होणे अनिवार्य राहील. तसे केल नाहीतर ती नोंदणी ग्राह्म धरली जाणार नाही.

पीएच डी.चा संशोधन कालावधी सह। वर्षे असेल. या कालावश्वीतिवश्यास्कालक विली जाणार नाही.

४ दि.२०/०६/२०२० च्या मा. विशा परीवदेच्या निर्णयानुसार सम्बद्धाः मध्यानि Kescarch Methodology. Computer Application. Research and publication Bilics या तीन विवाह के सूनने परीक्षा एडियेडियाल्याशिवाय त्यांची प्रीएच डी सोंदणी कायम केली

Co-ordinator Shri Guru Buddhiswami Mahavidyalaya (.nl) 80 Shri Guru Buddhiswami Mahavidyalaya Purna (Jn.) Dist.Parbhani Purna (Jn) Dist. Parbhani - 431511 (M.S.)