

**"STUDIES ON OCCURRENCE AND DIVERSITY OF
ARBUSCULAR MYCORRHIZAL FUNGI ASSOCIATED WITH
IMPORTANT SEASONAL CROP PLANTS"**



**THESIS
SUBMITTED TO
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
AURANGABAD – 431004 (M.S.), INDIA.**

**FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN BOTANY**

By

Mr. RAJENDRAKUMAR SHRIMANT NARAYANKAR M. Sc.B.Ed.

**Department of Biology,
D.B.F. Dayanand College of Arts and Science, Solapur.
Raviwar Peth, Dayanand Nagar, Solapur-413002**

Under the Guidance of

DR. U. N. BHALE M. Sc., Ph. D. FHAS.

Professor

**Department of Botany,
Arts, Science and Commerce College, Naldurg,
Tq. Tuljapur, Dist. Osmanabad - 413602 (M.S.)**

December-2020


PRINCIPAL

**Arts Science & Commerce College
Naldurg, Dist. Osmanabad-413602**



To,

The Deputy Registrar,

Ph.D. Section

Dr. Babasaheb Ambedkar Marathwada University,

Aurangabad- 431004.

Subject: Submission of Ph.D. thesis of Mr. Rajendrakumar Shrimant Narayankar

R/ Sir,

With reference to the above cited subject, I am forwarding herewith three copies of Ph.D. thesis by Mr. Rajendrakumar Shrimant Narayankar. His thesis topic is "Studies on Occurrence and Diversity of Arbuscular Mycorrhizal Fungi Associated With Important Seasonal Crop Plants " He has completed his Ph.D. thesis work under my guidance. This is for your further information and necessary action. Please, accept the same and oblige.

Thanking you.

Yours Faithfully

(Prof. Dr. U. N. Bhale)
Dr. U. N. Bhale

M.Sc.Ph.D., F.HAS
Professor, Dept of Botany
Arts, Science, Comm, College Naldurg
Tq. Tuljapur Dist. Osmanabad
Pin-413602 (MS) India

Encl:

- ✓ 1) Three copies of Ph.D. thesis.
- ✓ 2) ^{Three} Seven copies of thesis abstract.
- ✓ 3) CD of the thesis
- ✓ 4) Undertaking

O/c

(Ary)

30.12.2020

Ph.D. Section

Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad. (M.S.) 431004

PRINCIPAL

Arts Science & Commerce College
Naldurg, Dist. Osmanabad-413602



Dr. Babasaheb Ambedkar
Marathwada University,
AURANGABAD -431 004 Maharashtra, India
NAAC Re-accredited "A" Grade



स्थापना वर्ष १९५८

डॉ. बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ,
औरंगाबाद-४३१ ००४ महाराष्ट्र, भारत
नैक समिती तर्फे 'अ' दर्जा प्राप्त

विद्यावाचस्पती विभाग

Ph.D. Section

PH.D. Office :- (0240) 2403122	WEB SITE : www.bamu.ac.in	: http://bamua.digitaluniversity.ac.	E-mail : phdsection@bamu.ac.in
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Date :- 23/02/2021

Ref No. Ph.D./2020-21/ 8925-27

- 1 DR. R.M. MULANI,
PROFESSOR,
DEPARTMENT OF BOTANY,
S.R.T.M. UNIVERSITY, DNYANTEERTH,
VISHNUPURI, NANDED - 431606
- 2 DR. U.N. BHALE,
RESEARCH GUIDE,
DEPARTMENT OF BOTANY,
ARTS SCIENCE & COMMERCE COLLEGE,
NALDURG, TQ. TULJAPUR, DIST - OSMANABAD.

Subject :- Evaluation of Ph.D. Thesis of **Mr. R.S. Narayankar** Faculty of Science & Technology in the
Subject of **Botany**.

Sir/Madam,

With reference to your acceptance on the above subject, I am forwarding herewith a copy of thesis received from the candidate referred to above. The proforma for evaluation report and the remuneration bill forms are also enclosed herewith.

You are, therefore, requested to fillup the form and return the same to this office duly signed on the necessary revenue stamp. The payment of remuneration will be made after having received from you the report alongwith a copy of the thesis.

Encl : As above


Deputy Registrar
Ph.D. Section


PRINCIPAL

Arts Science & Commerce College
Naldurg, Dist. Osmanabad-431602



Ref.: ASCN/Bot/Ph.D./2020-2021/-166. Date: 15/03/2021

Dr. Udhav Narba Bhale
Professor & Research Guide
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To,

The Deputy Registrar,
Ph.D. Section
Dr. Babasaheb Ambedkar Marathawada University,
Aurangabad

Subject: Evaluation Report of Ph.D. Thesis in Botany submitted by Mr. R.S. Narayankar.

Ref: Ph.D./2020-21/8925-27 dated 23/02/2021.

R/Sir,

With reference to the above subject and your letter bearing Ref No Ph.D./2020-21/8925-27 dated 23/02/2021, I am herewith sending the evaluation report of Ph.D. thesis entitled "Studies on Occurrence and Diversity of Arbuscular Mycorrhizal Fungi Associated With Important Seasonal Crop Plants" in the subject of Botany submitted by Mr. R.S. Narayankar.

This is for your kind information and necessary action.

Thanking you,

Encl:

1. Part I: Detailed Evaluation
2. Part II: A Detailed Evaluation Report (Separate sheet)
3. Part III: Final recommendation
4. Ph.D. Evaluation & Remuneration Bill

Yours faithfully

[Signature]
15/03/2021

Dr. U. N. Bhale

M.Sc. Ph.D. PHAS
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[Signature]
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