

Anekant Education Society's

**Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati
(Autonomous)**

MoU Activity Report

Department of **Zoology** Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous) in collaboration with **Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. BAMU, Aurangabad.**

Details of Activity

Date of Activity: **5 April 2022**

Title of Activity: **DNA Barcoding: Hands-on Training Module**


Academic Year: **2021-22**

Number of Beneficiaries/Participants: **40**

Name of Collaborative Agency: **Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. BAMU, Aurangabad**

(.....)
Authorised signatory on behalf of
Paul Hebert Centre for DNA of
barcoding & Biodiversity Studies,
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.




Dr. Chandrashekhar Murumkar
Principal

*Enclosure: Activity Report

Anekant Education Society's
TULJARAM CHATURCHAND COLLEGE
OF ARTS, SCIENCE & COMMERCE, BARAMATI
(AUTONOMOUS INSTITUTE)
DEPARTMENT OF ZOOLOGY

11/04/2022

To,
The Principal,
Tuljaram Chaturchand College of Arts, Science & Commerce,
Baramati.

Sub: Report of Workshop- DNA Barcoding: Hands on Training Module

Respected Sir,

With your prior permission, Department of Zoology had organised one day workshop titled '**DNA Barcoding: Hands-on Training Module**' on **05th April 2022**; in association with Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. BAMU, Aurangabad. This workshop was the first activity held under the **MoU** between our college & the abovementioned institute. It was organised to commemorate the **Azadi Ka Amrit Mahotsav** and financial assistance was from **RUSA** funds.

The inaugural function was held in seminar hall. It was chaired by the honourable Principal Dr. Chandrashekhar Murumkar in presence of chief guest & key resource person Dr. Gulab D. Khedkar. Dr. Chandrashekhar Murumkar sir delivered presidential speech in which he enlightened the participants about the importance of DNA barcoding in a very intelligible way.

Theory sessions started at 11:00 am in Seminar hall. First session was conducted by Dr. Gulab D. Khedkar in which he explained basics of DNA barcoding & its application. Second theory session was about sample collection & DNA Isolation. It was conducted by Dr. Rajashri Deolalikar. Third theory session was conducted by Dr. Anita Tiknaik; in which she explained PCR, sequencing & data analysis. Theory sessions were completed by 13:30 and lunch break was till 14:30.

Practical sessions were conducted in Dr. H. G. Khorana laboratory; Dept. of Zoology. Dr. Rajashri Deolalikar acquainted the students with all the instrumentation of DNA barcoding. Mr. Amol kalyankar demonstrated the sample collection technique and pre-performed DNA isolation. PCR technique was demonstrated in small groups of 10 students each. It was conducted by all the experts of resource group. Gel electrophoresis was demonstrated by Mr. Nitin Kalyankar. Practical session was finished at 18:30.



(.....)
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Paul Hebert Centre for DNA of
barcoding & Biodiversity Studies,
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.

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(AUTONOMOUS INSTITUTE)
DEPARTMENT OF ZOOLOGY

Department of Botany, Department of Microbiology, Department of Chemistry, Common Facility Centre helped in various ways for successful conduction of this workshop. I express deep sense of gratitude towards all concerned departments for their active help and participation.

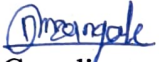
I also request you to sanction the honorarium, travelling allowance, DA and other expenses as per the submitted details.


I am submitting this report for your perusal.

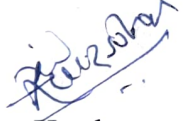
Thanking You,

Yours' sincerely,




Coordinator
Dr. Dipali Sangale


(.....)
Authorised signatory on behalf of
Paul Hebert Centre for DNA of
barcoding & Biodiversity Studies,
Dr. Babasaheb Ambedkar
Marathwada University,
Aurangabad.


Head,
Dept of Zoology

DNA Barcoding Hands-on Training Module

Organized by

Department of Zoology,
Tuljaram Chaturchand College,
Baramati

in Association with
Paul Hebert Center for DNA
Barcoding & Biodiversity,
Dr. BAMU, Aurangabad

Organizing Committee

Dr. Deepali Sangale, Coordinator
Prof. Sandip Chordiya, HoD, Zoology
Dr. Ajit Telave, Vice Principal &
RUSA Coordinator
Dr. Chandrashekhar Murumkar,
Principal

Join us on

Tuesday, April 5, 2022
from 10:00 AM
Onwards
Venue:
Seminar Hall

Resource Person:

Dr. G. D. Khedkar
Director, Paul Hebert Center for
DNA barcoding & Biodiversity,
Dr. BAMU, Aurangabad

[Click Here For Free Registration](#)



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Amrit Mahotsav



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Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India (Autonomous)

Department of Zoology

In Collaboration with

Paul Hebert Centre For DNA Barcoding And Biodiversity Studies, BAMU Aurangabad

With The Support Of

Rashtriya Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module "

☯ Certificate of Appreciation ☯

This is to certify that Dr./ Prof./ Mr./ Ms. _____ of Tuljaram Chaturchand College, Baramati has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dmsangale

Dr. D. M. Sangale
Coordinator

S. P. Chordiya

Prof. S. P. Chordiya
Head

A. Telave

Dr. A. Telave
Vice Principal & RUSA

C. V. Murumkar

Dr. C. V. Murumkar
Principal



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This is to certify that **Mr. Sandip Chordiya** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

Dr. D. M. Sangale
Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya
Head

Dr. A. Telave

Dr. A. Telave
Vice Principal & RUSA

Dr. C. V. Murumkar

Dr. C. V. Murumkar
Principal



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This is to certify that **Dr. Vitthal Nale** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

Dr. D. M. Sangale
Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya
Head

Dr. A. Telave

Dr. A. Telave
Vice Principal & RUSA

Dr. C. V. Murumkar

Dr. C. V. Murumkar
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This is to certify that **Dr. Deepali Sangale** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

Dr. D. M. Sangale
Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya
Head

Dr. A. Telave

Dr. A. Telave
Vice Principal & RUSA

Dr. C. V. Murumkar

Dr. C. V. Murumkar
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This is to certify that **Mr. Kishor More** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

Dr. D. M. Sangale
Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya
Head

Dr. A. Telave

Dr. A. Telave
Vice Principal & RUSA

Dr. C. V. Murumkar

Dr. C. V. Murumkar
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"DNA Barcoding- Hands On training Module "

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This is to certify that **Dr. Yogesh Gaikwad** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

Dr. D. M. Sangale
Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya
Head

Dr. A. Telave

Dr. A. Telave
Vice Principal & RUSA

Dr. C. V. Murumkar

Dr. C. V. Murumkar
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This is to certify that **Mr. Mayur Shitole** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dr. D. M. Sangale

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This is to certify that **Ms. Kamal Kumbhar** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dmsangale

Dr. D. M. Sangale
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S. P. Chordiya

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C. V. Murumkar

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This is to certify that **Ms. Sharvari Shah** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

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This is to certify that **Ms. Shivani Dombale** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on *"DNA Barcoding- Hands On training Module"* at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dmsangale

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Coordinator

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Prof. S. P. Chordiya
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Department of Zoology

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With The Support Of

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"DNA Barcoding- Hands On training Module "

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This is to certify that **Ms. Dnyaneshwari Gawade** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dmsangale

Dr. D. M. Sangale
Coordinator

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A. Telave

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This is to certify that **Ms. Bhagyashree Bhosale** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on *"DNA Barcoding- Hands On training Module"* at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

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With The Support Of

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This is to certify that **Ms. Nisha Sarande** of **Tuljaram Chaturchand College, Baramati** has been successfully organized a one day workshop on **"DNA Barcoding- Hands On training Module"** at Department of Zoology, Tuljaram Chaturchand College of Arts, Science & Commerce, Baramati 413102 (MS) India, on 5-April 2022.

Dmsangale

Dr. D. M. Sangale
Coordinator

S. P. Chordiya

Prof. S. P. Chordiya
Head

A. Telave

Dr. A. Telave
Vice Principal & RUSA

C. V. Murumkar

Dr. C. V. Murumkar
Principal



Anekant Education Society's
Tuljaram Chaturchand College Of Arts, Science And Commerce, Baramati
Dist.Pune (Autonomous)
In Collaboration With
Paul Hebert Centre For DNA Barcoding And Biodiversity Studies, Aurangabad
STATE LEVEL

ONE DAY WORKSHOP ON
HANDS ON TRAINING ON DNA BARCODING

Proposed Schedule of the Workshop Date: 05 /04/2022

TIME	SESSION TYPE	TOPIC	RESOURCE PERSON	VENUE
10:00-10:30AM INAUGURATION				
10:30-11:30 AM	Theory Session-I	Introduction to DNA Barcoding and its applications	Dr. G. D Khedkar	Seminar Hall
11:30 – 12:00 noon	Theory Session-II	Sample Collection & DNA Isolation	Dr. Rajeshri Kulthe	Seminar Hall
12:00 – 13:00	Theory Session-III	PCR, Sequencing & Data Analysis	Dr. Anita Tiknaik	Seminar Hall
13:00 – 14:00 Lunch-Break				
14:00 – 15:00	Practical session-I	Acquaintance with Instrumentation:	Dr. Rajeshri Kulthe	Department of Zoology Laboratory
15:00 – 15:30	Practical session-II	Demonstration of Sample collection	Mr. Amol Kalyankar	Department of Zoology Laboratory
15:30 – 15:45		DNA isolation (pre-performed)	Mr. Amol Kalyankar	Department of Zoology Laboratory
15:45 – 16:45	Practical session-III	PCR techniques	All experts In group (10 Students/Group)	Department of Zoology Laboratory
16:45 – 17:30	Practical session-IV	Gel electrophoresis	Mr. Nitin Kalyankar	Department of Zoology Laboratory
17:30 – 18:00 VALEDICTORY FUNCTION				

Dr. Sangale
 Convenor/Organizing Secretary
 Dr. Deepali Sangale

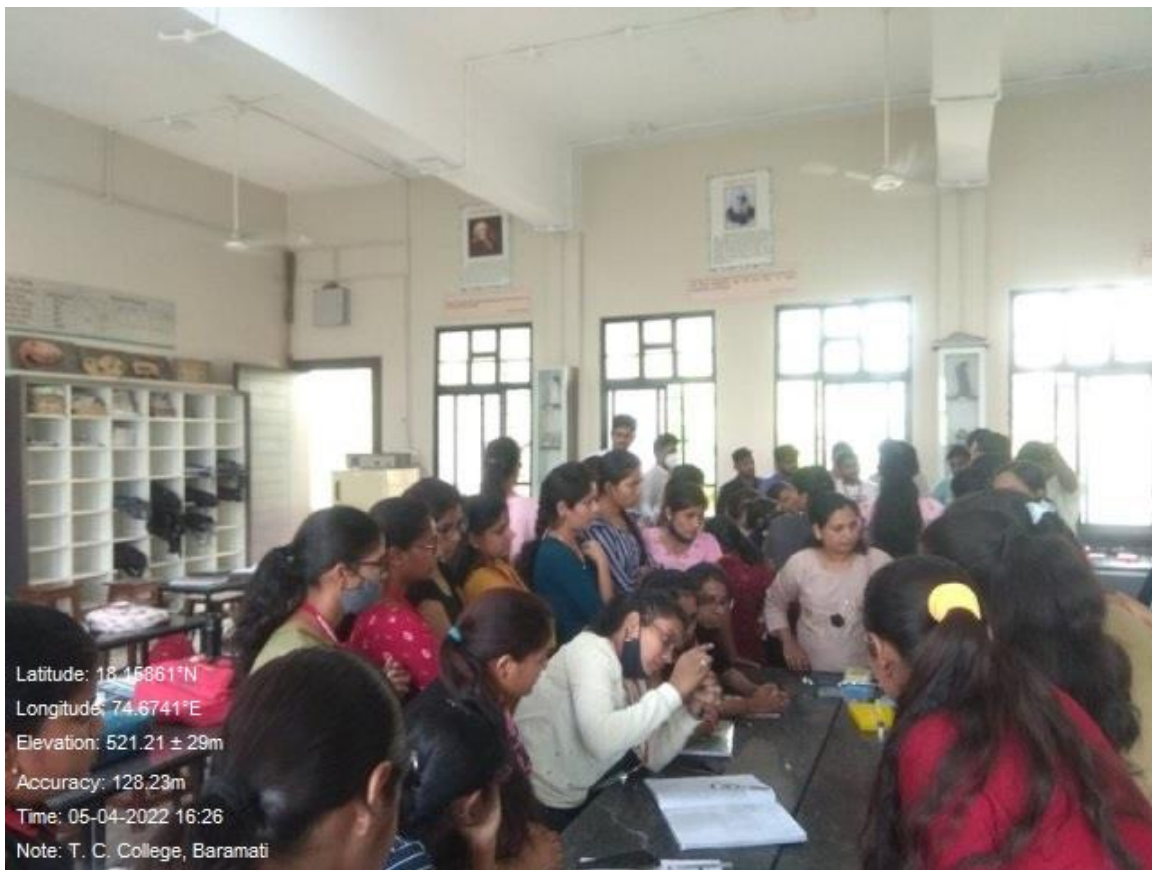


Kulthe
 Head of the Department

(.....)
 Authorised signatory on behalf of
 Paul Hebert Centre for DNA of
 barcoding & Biodiversity Studies,
 Dr. Babasaheb Ambedkar
 Marathwada University,
 Aurangabad.



Latitude: 18.15861°N
Longitude: 74.6741°E
Elevation: 521.21 ± 29m
Accuracy: 128.23m
Time: 05-04-2022 16:26
Note: T. C. College, Baramati



Latitude: 18.15861°N
Longitude: 74.6741°E
Elevation: 521.21 ± 29m
Accuracy: 128.23m
Time: 05-04-2022 16:26
Note: T. C. College, Baramati



