



Prof. Dr. Avinash S. Jagtap
M.Sc. Ph.D.
PRINCIPAL

E-mail : principal.tccollege@gmail.com

॥ सिद्धिरनेकान्तात् ॥

Anekant Education Society's

TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

Empowered Autonomous Status

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

NAAC-SSR

Cycle IV

2019 - 2024

Criterion VII: - Institutional Values and Best Practices

7.2.1
Q1M

Best Practice-I **Green Initiatives**

WORKSHOP ON DNA BARCODING: HANDS-ON TRAINING MODUL

Zoology Department 05/04/2022

Department of Zoology organized a one-day workshop on *DNA Barcoding: Hands-on Training Modul* on 05th April 2022. The event was jointly organized in collaboration with Paul Hebert Centre for DNA Barcoding & Biodiversity Studies, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. The main objective of the workshop was to inform the students about basics of DNA barcoding & its application. Dr. Chandrashekhar Murumkar presided over the inaugural session of the workshop and enlightened the participants about the importance of DNA bar-coding for research in life science. More than 125 students participated in the workshop. Five resource persons gave a valuable insight on DNA bar-coding, DNA isolation, PCR, sequencing, and data analysis. The resource persons also demonstrated the sample collection technique and pre-performed DNA isolation. The Head of the Department Dr. S.P. Chordiya and his team work hard for the success of the workshop.



DNA Barcoding: Hands-on Training Modul on 05th April 2022



Geo-tagged Photographs of the Workshop



Experts giving information on DNA barcoding



Students performing DNA isolation & sequencing



Department of Zoology,
16th March 2022

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

Sub: Permission to arrange a workshop / hands-on training on DNA barcoding technique.

Respected Sir,

As a part of Azadi Ka Amrit Mahotsav, Department of Zoology in association with Paul Hebert Centre for DNA Barcoding and Biodiversity Studies, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad is willing to organize one day workshop (hands-on training) in DNA Barcoding technique. The said workshop is to be arranged for faculties & PG students of all life sciences (Botany, Zoology, Microbiology) departments of our and nearby colleges.

This workshop is to be arranged in department of Zoology in the month of April, 2022 on a date suitable to resource person.

The resource person for this lecture will be Dr. G. D. Khedkar & his colleagues; of Paul Herbert Centre for DNA Barcoding, Aurangabad.

We request you to permit to collect Rs. 200/- as registration fee for this workshop and give directions to the concerned department to create link for online payment.

As per prior discussion with Dr. Khedkar, they are not charging any expenses on consumables.

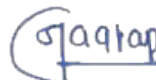
I request you to grant permission to arrange this workshop and sanction the honorarium and TA to the resource persons.

Thanking You,

Yours' Sincerely,


Head, Dept. of Zoology



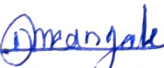

Principal

Tuljaram Chaturchand College
Baramati

Allowed
19-3

APPLICATION FOR ORGANIZATION OF STATE/NATIONAL/INTERNATIONAL
CONFERENCE/ SEMINAR/ WORKSHOP

1. Name of the Department: Department of Zoology
2. Activity: Conference/Workshop/Seminar
3. Geographical Coverage: Departmental/State/National/International
4. Name/Title of the event: One Day Workshop on DNA Barcoding
5. Date: From 05/04/2022 to 05/04/2022
6. Convenor / Organizing Secretary: Dr. Deepali Sangale
7. Broad Details of Estimated Expenditure:
 - A. TA (within India): 20000/-
 - B. Honorarium (06 persons): 18000/-
 - C. Pre-event printing: 05000/-
 - D. Publication of proceedings: Not Applicable
 - E. Local hospitality: 7000/-
 - F. Grand Total: 50000/-


Convenor/Organizing Secretary
Dr. Deepali Sangale


Head of the Department



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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DEPARTMENT OF ZOOLOGY

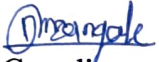
Department of Botany, Department of Microbiology, Department of Chemistry, Common Facility Centre helped in various ways for successful conduction of this workshop. I express deep sense of gratitude towards all concerned departments for their active help and participation.

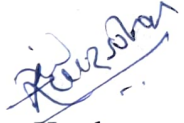
I also request you to sanction the honorarium, travelling allowance, DA and other expenses as per the submitted details.

I am submitting this report for your perusal.

Thanking You,

Yours' sincerely,


Coordinator
Dr. Dipali Sangale


Head,
Dept of Zoology



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

09/04/2022

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

Sub: Details of expenses of DNA Barcoding workshop

Respected Sir,
Total sanctioned fund for this workshop was Rs. 50,000/-.
Following are details of expenses:

Sr. No.	Particulars	Amount	Paid by
1	Honorarium (Rs. 3000/- each) Dr. Gulab D. Khedkar, Dr. Rajashri Deolalikar Dr. Anita Tiknaik Mr. Nitin Kalyankar Mr. Amol kalyankar Mr. Shankar Mutkule	18000/-	To be paid to each one's account
2	Travelling Allowance: 1. Dr. G. D. Khedkar (Own vehicle) (Aurangabad-Baramati-Aurangabad) 500KM @ Rs 09/- per KM	4500/-	To be paid to Dr. Khedkar
	2. Dr. Anita Tiknaik (Hired vehicle) (Aurangabad – Baramati - Aurangabad) 550 KM @ Rs. 14/- Per KM + GST	7700/-	To be Paid to Dr. Anita Tiknaik
3	Local Hospitality: 1. Stay & Dinner @ Krishnasagar	3601/-	To be paid to Hotel Krishnasagar
	2. Breakfast & evening dinner	760/-	To be paid to S. P. Chordiya
	3. Lunch at Annapurna mess	1200/-	To be paid to Shri Sawant
4	Brouchure Design	500/-	To be paid to S. P. Chordiya
5	Certificate Design Certificate Printing	500/- 140/- Total: 640/-	To be paid to Mr. Mayur Shitole
6	Coordinator: Dr. Deepali M. Sangale	1000/-	To be Paid to Dr. DMS
	Total Expenses	37901/-	

I request you to sanction the amount as per given details.
Thanking you.

Yours' Sincerely


Coordinator




Head, Dept of Zoology

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
 (Autonomous)

Department of Zoology

One day workshop on 'DNA Barcoding Hands on Training Module'

Date: 05/04/2022

Time: 03:00 PM – 06:00 PM

Practical Session- Attendance

Sr. No	Roll No.	Name of the student	Class	Signature		
				Sample Collection	Isolation	PCR
1)	7664	Jambate Aishwarya	Ty.BSc	Jambate A.D	Jambate A.D	Jambate A.D
2)	7315	Shaikh Shaheen Moyni	Ty.BSc	Shaikh	Shaikh	Shaikh
3)	7376	Sawant Sushama Dattatray	T.Y.BSc	Sawant	Sawant	Sawant
4)	17181	Gaikwad H.S	M.Sc II	Gaikwad	Gaikwad	Gaikwad
5)	7311	Gawade Anuja Dattatray	T.Y.BSc	Gawade	Gawade	Gawade
6)	7658	Gaikwad Poojika Satish	T.Y.BSc	Gaikwad	Gaikwad	Gaikwad
7)	7514	Kuchekar Nikita Dnyanesh	P.Y.BSc	Kuchekar	Kuchekar	Kuchekar
8)	17156	Fitare Ratnisha Shi	M.Sc-I	Fitare	Fitare	Fitare
9)	17144	Pondkule peatikshashivji	M.Sc. I	Pondkule	Pondkule	Pondkule
10)	17148	Salunkhe Prayati Santosh	M.Sc-I	Salunkhe	Salunkhe	Salunkhe
11)	17147	Chavawat Kamal Sanjay	M.Sc-I	Chavawat	Chavawat	Chavawat
12)	17149	Kshirsagar Dipali Ravindra	M.Sc-I	D.R.Kshirsagar	D.R.Kshirsagar	D.R.Kshirsagar
13)	17191	Bhoite Kiran Sadashiv	M.Sc II	Bhoite	Bhoite	Bhoite
14)	17183	Tambe Sanjushi Jaywant	M.Sc-II	Tambe	Tambe	Tambe
15)	17186	Pawar Shivrajai Shaad	M.Sc-II	Pawar	Pawar	Pawar
16)	17184	Kalokhe Ruzya Sanjay	M.Sc-II	B.Kalokhe	B.Kalokhe	B.Kalokhe
17)	17157	Kotirmiree Anshi Santosh	M.Sc-I	Kotirmiree	Kotirmiree	Kotirmiree
18)	17107	Tringade Nikita Rajendra	M.Sc-I	Tringade	Tringade	Tringade
19)	17198	Hirremath Kiran vidyadhar	M.Sc-II	K.Hirremath	K.Hirremath	K.Hirremath
20)	17185	Tambori Jasim Chand	M.Sc-II	Tambori	Tambori	Tambori
21)	17196	Patil Sourabh Narendra	M.Sc II	Patil	Patil	Patil
22)	17187	Sawane Pratik Bhagwat	M.Sc II	Sawane	Sawane	Sawane
23)	17188	Gawade Tushar Manohar	M.Sc-I	Gawade	Gawade	Gawade
24)	17161	Aliwal Samiran	M.Sc-I	Aliwal	Aliwal	Aliwal
25)	17166	Shaikh Aayif Umar	M.Sc-I	Shaikh	Shaikh	Shaikh



Sr. No	Roll No.	Name of the student	Class	Signature		
				Sample Collection	Isolation	PCR
26	17164	Ghadge Shubham	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	17159	Shilwant Vidya Bapat	MSc I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	17160	Sabale Rutub	MSc I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29	17122	Bhawal Pooja	MSc I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	17116	Jadhav Shrutika S.	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31	17101	Deshmukh madhura D	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32	17106	Gitme pradnya S	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	17123	Thanke Aishwarya R	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	17119	Powar Pooja S.	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	17112	Tamboli Tamanna	MSc-I	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
 (Autonomous)

Department of Zoology

One day workshop on 'DNA Barcoding Hands on Training Module'

Date: 05/04/2022

Time: 10:30 AM – 02:00 PM

Theory Session- Attendance

Sr. No	Roll No.	Name of the student	Class	Signature		
				Session-I	Session-II	Session-III
1	17112	Tamboii Tamanna	M.Sc.I	<u>Tamboii</u>	<u>Tamboii</u>	<u>Tamboii</u>
2	17122	Bhawal Pooja	M.Sc.I	<u>Bhawal</u>	<u>Bhawal</u>	<u>Bhawal</u>
3	17160	Sabare Rutwik	M.Sc.I	<u>Sabare</u>	<u>Sabare</u>	<u>Sabare</u>
4)	17151	shilwant vidya	M.Sc.I	<u>Vidya</u>	<u>Vidya</u>	<u>Vidya</u>
5)	17144	pondkule pratiksha	M.Sc-I	<u>Bondkule</u>	<u>Bondkule</u>	<u>Bondkule</u>
6)	17146	shinde Puj	M.Sc.I	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
7)	17111	Salve Aditi	M.Sc-I	<u>Adi</u>	<u>Adi</u>	<u>Adi</u>
8)	17123	Thankar Aishwarya R.	M.Sc-I	<u>Thankar</u>	<u>Thankar</u>	<u>Thankar</u>
9)	17106	Girme Pradnya Santosh	M.Sc.I	<u>Pradnya</u>	<u>Pradnya</u>	<u>Pradnya</u>
10)	17101	Deshmukh Madhura M.	M.Sc.I	<u>Deshmukh</u>	<u>Deshmukh</u>	<u>Deshmukh</u>
11)	17116	Jadhav Shrutika Suresh	M.Sc-I	<u>Shru</u>	<u>Shru</u>	<u>Shru</u>
12)	17164	Ghadge Shubham R.	M.Sc.I	<u>Ghadge</u>	<u>Ghadge</u>	<u>Ghadge</u>
13)	17108	More Krantiben D.	M.Sc-I	<u>More</u>	<u>More</u>	<u>More</u>
14)	17166	Shankh Aasit Umar	M.Sc.I	<u>Shankh</u>	<u>Shankh</u>	<u>Shankh</u>
15)	17161	Mr. Athiwale Samiran	M.Sc.I	<u>Athiwale</u>	<u>Athiwale</u>	<u>Athiwale</u>
16)	17187	Sawane Pratik Bhagwat	M.Sc.I	<u>Pratik</u>	<u>Pratik</u>	<u>Pratik</u>
17)	17188	Gawade Tuskar Dnyanesh	M.Sc-I	<u>Gawade</u>	<u>Gawade</u>	<u>Gawade</u>
18)	17196	Patil Saurabh Narendra	M.Sc.II	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
19)	17185	Tambeti Vasim Chand	M.Sc.II	<u>Tambeti</u>	<u>Tambeti</u>	<u>Tambeti</u>
20)	17192	Hirmath Kiran Vidyakar	M.Sc-I	<u>Hirmath</u>	<u>Hirmath</u>	<u>Hirmath</u>
21)	17119	Power Pooja Shrikrishna	M.Sc.I	<u>Power</u>	<u>Power</u>	<u>Power</u>
22)	17103	Gotsurya Pranika Sharad	M.Sc-I	<u>Gotsurya</u>	<u>Gotsurya</u>	<u>Gotsurya</u>
23)	17113	Rayate Pragati Chandrak	M.Sc-I	<u>Rayate</u>	<u>Rayate</u>	<u>Rayate</u>
24)	17102	Chandgude Prachi Shivaji	M.Sc-I	<u>Chandgude</u>	<u>Chandgude</u>	<u>Chandgude</u>
25)	17163	Changan Pratiksha	M.Sc-I	<u>Changan</u>	<u>Changan</u>	<u>Changan</u>
26)	17118	Sonwalkar Pratiksha H.	M.Sc-I	<u>Sonwalkar</u>	<u>Sonwalkar</u>	<u>Sonwalkar</u>



Sr. No	Roll No.	Name of the student	Class	Signature		
				Session-I	Session-II	Session-III
27)	15742	Mane Deshmukh Diprajit	M.Sc I			
28)	15767	Raut Amit Anil	M.Sc I			
29)	15763	Jadhav Pradip Gokul	M.Sc I			
30)	15762	Gaikwad Ranjit Poornima	M.Sc I			
31)	15766	Ranaware Pratik Sujit	M.Sc I			
32)	15764	Gore Nitin Anil	M.Sc I			
33)	15747	More Siddhant Shivaji	M.Sc I			
34)	15797	Shembade Ganesh Kisan	M.Sc I			
35)	15751	Koli Akash Bhadrashree	M.Sc I			
36)	15781	Shaikh Faisal Siddik	M.Sc I			
37)	17181	Gaikwad Harshada Sanjay	M.Sc II			
38)	17191	Bhoite Kiran Suresh	M.Sc II			
39)	17183	Tambe Sanjushai Jaywant	M.Sc II			
40)	17186	Pawar Shivrajaji Shalad	M.Sc II			
41)	17184	Kalokhe Rutuja Sanjay	M.Sc II			
42)	17107	Shingade Nikita Rajendra	M.Sc I			
43)	17157	Kothmire Arati Santosh	M.Sc I			
44)	7315	Shaukt, Shakeen Moina	Ty.			
45)	7658	Gaikwad Tanishka Sattish	T.Y. Bsc			
46)	7376	Sawant Sushama Dattatray	T.Y. Bsc			
47)	7311	Gawade Anuraj Dattatray	T.Y. Bsc			
48)	15746	Supetkar Snehal Chand	M.Sc I			
49)	15756	Ligade Komal Sambhaji	M.Sc I			
50)	15741	Gaikwad Uma Shiram	M.Sc I			
51)	15761	Gaikwad Tanuja	M.Sc I			
52)	15786	Ranaware Priyanka A	M.Sc I			
53)	15750	Mali Priyanka Arjun	M.Sc I			
54)	15800	Shinde Bhagyashri Rajendra	M.Sc I			



Sr. No	Roll No.	Name of the student	Class	Signature		
				Session-I	Session-II	Session-III
35)	15745	Deolake Parina . D	M.sc.I Botany	<u>Deolake</u>	<u>Deolake</u>	
36)	15744	Vibhute shivani vijay	M.sc.I Botany	<u>Vibhute</u>	<u>Vibhute</u>	
37)	15792	Gaikwad Vaibhavi Vishnu	Msc-I Botany	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
38)	15796	Bodare Nikita Pradip	Msc-I Botany	<u>Bodare</u>	<u>Bodare</u>	<u>Bodare</u>
39)	17156	Gutekar Manojkumar Shri	Msc-I Zoology	<u>Gutekar</u>	<u>Gutekar</u>	<u>Gutekar</u>
40)	17147	Ghanawat Kamal Sanjay	Msc-I Zoology	<u>Ghanawat</u>	<u>Ghanawat</u>	<u>Ghanawat</u>
41)	17148	Salunke Pragati Santosh	Msc-I Zoology	<u>Salunke</u>	<u>Salunke</u>	<u>Salunke</u>
42)	17149	Kshirsagar Dipali Ravindra	Msc-I Zoology	<u>D.R.Kshirsagar</u>	<u>D.R.Kshirsagar</u>	<u>D.R.Kshirsagar</u>
43)	7659	Pawar Pradnya mabatev	T.Y.Zoo.	<u>Pawar</u>	<u>Pawar</u>	
44)	7664	Jambate Aishwarya	Ty. BSc	<u>Jambate A.D</u>	<u>Jambate A.D</u>	<u>Jambate A.D</u>

