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.	Roll			Attendance	Signature	
No	No.	Name of the student	Class	Sample Collection	Isolation	PCR
1)	7664	Jambate Lishwaeya	TY.BSC	Janubate A. D	uombates:	b JambateAD
Q)	7315	Shaikh shaheon Moiny	T4.Bsc	Klein	Solin	Solin
3)	7376	Sawant Sushama Daltatray	T.Y. BSC	(33) t	Bint	(3 Zoviet
4	17181		MSCII			Coilco
5)	7311	Gawade Anuja Datterbury	T. Y. ACC	Rand	Garade	Brawak
6)	76%	Gaikwood Pauishka Satist	Tripe	+auture/	Library	doin
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9)	17144	Pondkyle peatikshashivai		Bondrale	Sondale	Bondrule
10)	17148	Salunkhe Pragati Santosh	MSC-7	Salentehe	Soluthe	Sarche
115	ナメナノ	Chancest Komal Sonlay		Phanwat	Provacet	Phanasat
12>	17149	Kshirsagar Dipali Ravindra		D.R.Kshirsoger	D. Riks infracen	D-R-Kshinsagan
13)	17191	Bhoite liran radoshiv	MSCIL	Bhoiteic.s	Bhoiters	Bhoitekn
14)	17183	Tambe sanjushti Jaywan	MSC-II	Éganpa	Southe	Sent
15)	17186	Pawa & Shivanjay shakad	MSK-IL	Sauce	Soure	Sauce
16)	17184	Malorke Rudya Sanjay	MScatt	Bralophe	12 Kalokhe	
7	H157	Kottrmire Aasti sontain	MSCI	Aule	Eled.	Elike
17]	17107	Shingade Nikita Rajendra	MSC-T	Ritar		Rtas.
19]	17138	Hiremath kiran vidyadh	r misc-II	Kuttiremath	kuHiremath	- KWH i remath
20]	17185	Tomboli Josim chord	M.ScII	OSantari,	Marshor	@ ambeli
21	17-196	Patil Sourabh Hanerdra	M.ScII	SNahil	SNELL	SNali
2	17187	Squane Bratik Binggood	msc7L	(P) _S+		E A A
23	17188	Garade Tushar maroke	mgc-D	of the second	B	A S
24	17161	Hiwale Samiran		581	B9.	158
25)	17166	Shaikh Acyif uman	ms: I	- nakly	35 north	Snailely
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Sr.	Roll	N. C.I.			Signature	
No	No.	Name of the student	Class	Sample Collection	Isolation	PCR
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27	17/59	shilwant Vidy Bapy	MSLI	Redys	Orden	Goods
28	17160	Sabale Ruturb	MSCI	Rudulg	Zoudul	Souther
29	17122	Bhawal Poofa	MSCI	Bhen	Phan	Blank
30.	17116	Jadhau Shmitikas.	MSC-T	Show	Show	Show
31.		Deshmukh Madhuran			Weshmukh	Meshmukh
32.	17106	Girme phadhyais	MSC-T	fealings	frachigu	freachign
33.	17123	Thanke Aighanana &	MC	chembo	Thanke	Thintel
34.	17119	Powa E. Pooja · S. Tamboli Tamanna	MSCI	Plead.	Pfereel.	Pferrel.
35	17112	Tamboli Tamanna	MSC-I	ang 9	3015	Res
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Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)

Department of Zoology

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

Time: 10:30 AM – 02:00 PM **Date:** 05/04/2022

	Theory Session- Attendance							
Sr.	Roll	Name of the student	Class		Signature			
No	No.		Class	Session-I	Session-II	Session-III		
1	17112	Tamboli Tamanna	MSCI	Tambol.	Transpy '	Tambel!		
2.	17122	Bhawal Pooja	MSC. I	Rhemi	Bhin	Bhunk		
3	17160	, ·	m,scI	Dukul	Salutet	Subuct		
4)	17-151	Shilwant vidyy	MSCI	Ridgy	Ochya.	Diolso		
5)	17144	pondkule psatiksha	Msc-I	Bondrule	Bonkule	Bonokule		
6)	17146	Shinde Puja	MSC. I	Ripels	Shind	Shinds		
7)	17111	Saive Aditi	MSC-I	AEP	Ael	All		
8]	17/23	Thanke Aishwagar.		Aubenke	Theores	Thomas		
9)	17106	Gime Pradnya Santosh		fearinger.	feadingen	Leady in		
10>	10171	Deshmykh Madhusa M.	M.SCT	Heshmukh .	Eleshmykh.	Meshmukh		
11)	17116	Jadhau Shrufi ker Sures	MSC-I	Show	Show	Show		
12)	17164	Ghadge Shubham R.	MSC.I.	Prodge	Endor	- unc		
13]	17108	More Krantisen D.	M.5I		Charle	Know		
14]	17166	Shouldh Aasit umar	11.5°CI		Bhaikli.	3maileh		
15]	17161	Mr. Ahiwale Samira	M&I	-S&Minor	15Minale	25 Shiwal		
16)	17187	Sawone Pratik Bhaga		Por Good	Ra CO	Par Sign		
17)	17188	Gawade Tushar Dhyonoba	MSC-D	Class	(Gas	Cad		
18)	17196	Patil Sourabh Marent	MISCI	SNati	SARA	5 Natil		
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23)	17113	Rayate Pragati chandruk	MSC-I	Raycut_	Howart	Rayou		
24)	77/02	chardgude Pronali shivaji	MSC-I	EL.	Per	V		
25)	17163	Changen Pratiksha	MS(-I	and o	Inche)	may,		
26)	17118	Sonwalkar Prodikshatt.	Msc-I	Hornelton	Fonalkoe	Foundlass		
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Sr.	D II					
No	Roll No.	Name of the student	Class		Signature	~ . ****
				Session-I	Session-II	Session-III
27)	15742	Mane Deshmukh Dipagis	M.SCI			
28)	15 767	Raut Amit Anil	M.SCI	abun	Capacier 1	Mack
29)	15763	sagirar pragip gorig	Misicij	Readyry	Julians	Juelliaps
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31	15766	Ranaware Protiksyit	MSCI	Perul	Cited	lued.
32]	15764	Gore Nitin Anil	MISCI	Cevel	Carel	and .
33	15747	More siddhant shivgji	MSC. I	gemore	Samore	Sement
34]	15797		MSO.I	AD.	Otto	245
35)	15751	Koli Akash Bhadzesha	r Mac-I	July-	Jung	Jula-
30)	1781	Shaikh Fairal Siddit	TPORT	A. S. Haibh	Thak	F. S. Shales
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38	17191	Bhoite kiran swolarhiv	MSCII	Bhoiters	Bhostules.	Bhoile: K.S
39	17183				Sante	Genote .
40	17186			Same	Suus	Saves
41	17184	Kalokhe Ruzuja Sanjay	MSCI	RKalophe	Phalophe.	Prolophe
42	17107	Shingade Nikita Rajend		Rtal	Atas	Aces.
43	17157	Kattomice Aast Sontan	1750 1	Feele	Jak	Cerk.
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47	7311	Gawade Anula patterfood	T. Y.BSC	Corres	Boarde	17
48	15746	Superaz Snehalchand	MSCI	P	A MINUTE	Grande '
49	15756	ligade Komal Sambhai	MSCT	*A		
50	15741	ligade Komal Sambhaji Gaikwad Uma Shriran	Msc-I	Hikuas (Hatkulad	
51	15761			Tanun	Joneph	
52	15786	Sonawane peigenka, A	Mac-I	San	Der Serie	
53	15150	Mali Priyanka Arjun	MSC-I	Ramed 5	Patrocki	
54)	15800	shinde Bhagyashin Rajentr		B. Petringe	Brahm	
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Sr.	Roll No.	Name of the student	Class		Signature	
			Class	Session-I	Session-II	Session-III
35		Deolcute Parina. D	M·scI botum	y Pocokate	Procedent	
31)	1574	Vibhute shivani vijay	MISCI	2004 mute	Sibhut	
37)	15792	Gaikwad Vaibhavi vishnu	MSc-I	(Itaki)	Crakel.	
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41)	17148	Salvable P. 1: 8 1	MS(-I	(Bhorosof)	Stancoot	Quantity .
42)	17149	Salunkhe Pragati Santosh		The state of the s		Fallen
43)	200	Reshirsagar Dipali Ravindra	Z001094	D.A.Kshirsaga	DR.Kshinsayan	er R. Kehirsogar
44)	7664	Pawar Pradnyci maha Jambat e dishwareya	lev 1.9.200,	Portano	(Professor)	
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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,

Housed.

Yours' Sincerely,

Head, Dept. of Zoology

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 Secretory:

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 Secretory
Dr. Deepali Sangale



Head of the Department

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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Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (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

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 Total Expenses	1000/- 37901/-	To be Paid to Dr. DMS

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

Yours' Sincerely

Head, Dept of Zoology

Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

Sr.	Particulars	Total	Paid by
No.		Amount	
1	Dr. Gulab D. Khedkar	7500/-	Mr. Gulab Dattarao Khedkar
	Honorarium: 3000/-		Bank of Maharashtra
	TA: 4500/-		AC/No: 20060531113
2	Dr. Ait. Til. 11	10700/	IFS CODE: MAHB0000152 ANITA D TIKNAIK
2	Dr. Anita Tiknaik	10700/-	AC/NO. 60027339671
	Honorarium: 3000/- TA: 7700/-		UNIVERSITY BRANCH
	TA: 7700/-		AURANGABAD IFSC CODE: MAHB0000152
3	Dr. Rajashri Deolalikar	3000/-	Rajshri Vijay Deolalikar
	Honorarium: 3000/-	3000/-	Bank of Maharashtra
	1101101d11d111. 3000/-		Sawarkar Chowk Branch
			AC/No: 60247513287
			IFS Code: MAHB0001196
4	Mr. Nitin Kalyankar	3000/-	Nitin Deepakrao Kalyankar
т .	Honorarium: 3000/-	3000/-	Bank of Maharashtra
	11011014114111. 5000/-		AC/No: 25047868728
			IFS code: MAHB0000152
5	Mr. Amol Kalyankar	3000/-	Amol Deepakrao Kalyankar
5	Honorarium: 3000/-	3000/-	Bank of Maharashtra
	11011011a11u111. 5000/-		AC/No: 60244319715
			IFS code: MAHB0000152
6	Mr. Shankar Mutkule	3000/-	Shankar Namdev Mutkule
	Honorarium: 3000/-		Union bank of India, Cidco
			branch, Aurangabad
			AC NO: 516702010095857
			Ifsc code- UBIN0551678
7	Hotel KrishnaSagar	3601/-	Hotel KrishnaSagar
8	Annapurna Mess (Mr. Sawant)	1200/-	Shri Sawant
9	S. P. Chordiya	1260/-	Sandip P. Chordiya
	•		Bank of Maharashtra
			AC/No 20100263230
			MAHB0000073
10	Mr. Mayur Shitole	640/-	Mayur Sharad Shitole
	•		Bank of Maharashtra
			AC/No: 25029866733
			MAHB0000073
11	Dr. Deepali Sangale	1000/-	Deepali Maruti Sangale
		1000/-	State Bank of India
			AC/No: 62439984198
			IFS Code: SBIN0000321
	Total Expenses	37901/-	ITS Code: SBIN0000321
	10ml Dapelises	3/901/-	

Yours' Sincerely

Omeangale Coordinator



Head, Dept of Zoology

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**

	Practical Session- Attendance					
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5)	7311	Gawade Anuja Datharray	T.Y.BSC.	Rand	Banade	Branche
6	768	Gaikwood Pauisyka Cotil	72.n.	-	Library	toin
(7)	7514	kuchekar nikita Dhyangh	P.Y.Bx		Neor	Woz
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10>	17148	Salunkhe Pregati Santosh	MSC - 7	Sondrule Soulentehe	Sondule	Bonorule
117	1747	Chancest Kamal Sonlay		Chancoat	Phonesot	Phanasat
12>	17149	Kshirsagar Dipali Ravindra		D.R.Kshirsogur	D. Riks horas	D-R-Kshirsogan
13)	1719!	Bhoite Kiran radoshiv	MSCIL	Bhoiteic.s	Bhoiters	Bhoitek
14)	17183	Tambe sanjushi Jaywan		Sonte	Sourbe	Sent
15)	17186	Pawa & Shivanjai sha Ead	MSK-IL	Sauce	Species	Series
16)	17184	Kalokhe Rudya Sayay		Bralophe	2 Kalakhe	12 Kalokhe
7	17/57	Kottrmire Aast sontoin	MSCI	Aule .	ded	Lale
17]	17107		MSC-T	Ritas.	Ritas	Rtas.
19]	17138	Hiremath kiran vidyadk	r misc-II	Kultinemall	kuHiremath	ky Hiremath
20]	17185	Tomboli Josim chord	M.SCII	Oslantari,	Marshor	@ amboti
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23	,			Ø.	B	B
24	17161	Hiwale Saminen	M&C-]	581	392	158
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				WITUR	CHAN	

Sr.	Roll	N. C.A.			Signature	
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35	17112	Tamboli Tamanna	M8C-I	Day 7	901 t	(Reps)
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Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)

Department of Zoology

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

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2.	17122	Bhawal Pooja	MSC. I	Rhem	Bhin	Bhund		
3	17160	, ·	m.scI	Dulint	Salwet	Fligue		
4)	17-15	Shilcoant vidya	MSCI	Ridgy	Ochja.	Didge		
5)	17144	pondkule psatiksha		Bondule	Bondale	Bonckule		
6)	17146		MSC. I	Thirels	Shind	Rhinds		
7]	17111	Saive Aditi	MSC-I	AEP	Ael	All		
8]	17/23	Thanke Aishwagar.		Aubenke	Theores	Monke		
37	17106	Gime Pradnya Santosh		fearinger.	feadnym	Leadnyin		
10>	17101	Deshmykh Madhusa M.	M.SCT	Heshmukh .	Eteshmykh.	Heshmukh		
11)	17116	Jadhau Shrufi ker Sures	MSC-I	8m	Show	Show		
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13]	17108	More Krantisen D.	M.5I		Charle	Know		
14]	17166	Shouldh Aasit umar	tn.5.0I		3 naikly	3 mailet		
151	17161	Mr. Ahiwale Samira	M&I	SAMinor	15Minale	25 Shiwale		
16)	17187	Sawone Pratik Bhaga		Por Good	Ra CO	Par Sign		
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18)	17136	Patil Sourabh Marent	MISCI	SNati	SARAG	5 Natil		
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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,

Howed.

Yours' Sincerely,

Head, Dept. of Zoology

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 Secretory:

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 Secretory
Dr. Deepali Sangale



Head of the Department

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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Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE) DEPARTMENT OF ZOOLOGY

sense of gratitude towards all concerned departments for their active help and participation.

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

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.	Particulars	Amount	Paid by
No.	1 at ticulars	Amount	Faid 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



Head, Dept of Zoology

Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (AUTONOMOUS INSTITUTE)

DEPARTMENT OF ZOOLOGY

Sr. No.	Particulars	Total Amount	Paid by
1	Dr. Gulab D. Khedkar Honorarium: 3000/- TA: 4500/-	7500/-	Mr. Gulab Dattarao Khedkar Bank of Maharashtra AC/No: 20060531113
2	Dr. Anita Tiknaik Honorarium: 3000/- TA: 7700/-	10700/-	IFS CODE: MAHB0000152 ANITA D TIKNAIK AC/NO. 60027339671 UNIVERSITY BRANCH AURANGABAD IFSC CODE: MAHB0000152
3	Dr. Rajashri Deolalikar Honorarium: 3000/-	3000/-	Rajshri Vijay Deolalikar Bank of Maharashtra Sawarkar Chowk Branch AC/No: 60247513287 IFS Code: MAHB0001196
4	Mr. Nitin Kalyankar Honorarium: 3000/-	3000/-	Nitin Deepakrao Kalyankar Bank of Maharashtra AC/No: 25047868728 IFS code: MAHB0000152
5	Mr. Amol Kalyankar Honorarium: 3000/-	3000/-	Amol Deepakrao Kalyankar Bank of Maharashtra AC/No: 60244319715 IFS code: MAHB0000152
6	Mr. Shankar Mutkule Honorarium: 3000/-	3000/-	Shankar Namdev Mutkule Union bank of India, Cidco branch, Aurangabad AC NO: 516702010095857 Ifsc code- UBIN0551678
7	Hotel KrishnaSagar	3601/-	Hotel KrishnaSagar
8	Annapurna Mess (Mr. Sawant)	1200/-	Shri Sawant
9	S. P. Chordiya	1260/-	Sandip P. Chordiya Bank of Maharashtra AC/No 20100263230 MAHB0000073
10	Mr. Mayur Shitole	640/-	Mayur Sharad Shitole Bank of Maharashtra AC/No: 25029866733 MAHB0000073
11	Dr. Deepali Sangale	1000/-	Deepali Maruti Sangale State Bank of India AC/No: 62439984198 IFS Code: SBIN0000321
	Total Expenses	37901/-	

Yours' Sincerely





Head, Dept of Zoology

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.

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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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Anekant Education Society's TULJARAM CHATURCHAND COLLEGE

OF ARTS, SCIENCE & COMMERCE, BARAMATI (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,

Dr. Dipali Sangale

Dept of Zoology











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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

Turk -

Prof. S. P. Chordiya Head Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

This is to certify that Mr. Sandip Chordiya of Tujaram 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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA













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

Department of Zoology

In Collaboration with

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof S. P. Chardin

Prof. S. P. Chordiya Head Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA













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

Department of Zoology

In Collaboration with

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With The Support Of

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Massim

Head

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

S Certificate of Appreciation **S**

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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

The same

Head

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

<u>Omeangale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya Head Dr. A. Telave
Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Head

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

The same

Head

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding-Hands On training Module"

Solution Solution Solution Solution Solution Solution

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.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

Prof. S. P. Chordiya

Dr. A. Telave

Vice Principal & RUSA













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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution Solution

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.

Omeangale

Dr. D. M. Sangale Coordinator

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Head

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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

Rashtriy Uchchar Shiksha Abhiyan (RUSA), New Delhi

"DNA Barcoding- Hands On training Module"

Solution Solution Solution Solution Solution Solution

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.

<u>Omeongale</u>

Dr. D. M. Sangale Coordinator

Prof. S. P. Chordiya

The same

Head

Dr. A. Telave

Vice Principal & RUSA



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













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

05/04/2022



Mr. Amol Kalyankar giving demonstration of DNA isolation on the occasion of DNA Barcoding: Hands-on Training Module

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

05/04/2022



Student performing Gel Run under Dr. Anita Tiknaik on the occasion of DNA Barcoding: Hands-on Training Module



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