

Dr Ambedkar College, Deekshabhoomi, Nagpur
Department of Biochemistry and Biotechnology

A Workshop on “Animal Cell Culture Technology”

2019-20

Conducted on 11 – 17 October 2019

DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR.

DEPARTMENT OF BIOTECHNOLOGY AND BIOCHEMISTRY



Welcomes you for

**WORKSHOP
ON
“ANIMAL CELL CULTURE ”**

ACC 2019-20

11TH TO 17TH OCTOBER 2019



**PRINCIPAL
Prof. R V PATIL**



**HOD
Dr. B. A. Mehere**

**In-Charge
Dr. Utpal J. Dongre**

Brief Report:

A seven day workshop on “Animal Cell Culture” A hands-on training in cell culture techniques” was organized from 11-17 October 2019 under the coordination of program coordinator Dr.Utpal Dongre , Assistant Professor, Department of Biochemistry and Biotechnology, Dr.Ambedkar College , Nagpur. Mrs. B.A.Meher ,Dr. Deovrat Begde and Mr.Pradip Hirapure were the guest speakers. Their talk was very informative and beneficial to the students attending the workshop. Total 153 students have attended the workshop. The first day of the workshop started with the enlightening of the lamp and seek the blessing of Lord Buddha and Dr.BabaSaheb Ambedkar. Mrs.Bhuvaneshwari Mehere, HOD, Department of Biochemistry and Biotechnology welcomed the guest of honour Principal, Dr. R V Patil, Dr.Ambedkar College. A introductory remark of the workshop along with the history of animal cell line, was given by Mrs. Bhuvaneshwari Mehere, HOD, Department of Biochemistry and Biotechnology, Dr.AmbedkarCollege ,DeekshaBhoomi, Nagpur. Followed by this, students gained knowledge about animal cell culture, precautions to be taken in performing cell culture, laboratory set up requirement, working of each and every instrument in cell culture technique, advantages and limitations etc. given by Dr.Deovrat Begde. A brief knowledge of applications of animal tissue culture was given by Mr. Pradip Hirapure. From second day onwards of the workshop Dr. Utpal Dongre, Miss Rita Lakkakul and Miss Swati Chimurkar introduced Animal Tissue Culture lab to the students and gave the demonstration of equipment's and cell passaging technique .Hands-on practice was also given on preparation of complete media , cell counting and cell seeding. Students also did individual practice on cell passaging ,cell counting ,MTT assay and cryopreservation. Later on observation of MTT assay results and a written test was conducted by Dr.Utpal Dongre on provided manual and hands-on experiments. On 17th October, valedictory function was conducted. We also arranged lunch for all participants. Feedback was given by the students attending the workshop. The program was then concluded with the vote of thanks proposed by Dr. Utpal Dongre Assistant Professor, Department of Biochemistry and Biotechnology.

Schedule of the programme:

**DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI,
NAGPUR**

**DEPARTMENT OF BIOCHEMISTRY AND
BIOTECHNOLOGY**

ANIMAL CELL CULTURE WORKSHOP

(ACC) 2019-2020

(11TH OCTOBER TO 17 OCTOBER 2019)

DAY 1: 11th October 2019 (ALL STUDENTS SHOULD PRESENT)

SR	TIME			
REGISTRATION AT 10:30 AM IN DEPT OF BIOTECHNOLOGY				
1	11 AM TO 11:30 AM	Inauguration (Room No 1)	At the hands of Principal Shri R V Patil Sir. Introductory remarks by Mrs. B A Mehere (HOD).	
Lectures		TOPICS		DELIVER BY
2	11:30 Am to 12:30 PM	Lecture 1	History of Animal Cell Culture Technology.	Prof. Mrs. B A Mehere
4	1:00 PM to 200 PM	Lecture 2	Principals of Animal Cell Culture	Dr D N Begde
5	2:00 PM to 3:00 PM	Lecture 3	Applications of Animal Cell Culture Technology	Prof. P Hirapure

(FOR 1st SCHEDULE)

Day 2: 12th / October /2019

**Hands On Practice (By Dr Utpal Dongre, Ms. Rita Lakkakul and Ms. Swati
Chimurkar)**

SR	TIME	BATCH	PROTOCOLS
1	8 AM TO 10 AM	1	Introduction to ACC laboratory, demonstration of equipments, demonstration of Cell Passaging. Hands on practice on preparation of complete media, and cell seeding.
2	10 AM TO 12 PM	2	
3	12 PM TO 3 PM	3	
4	1 PM TO 3 PM	4	Introduction to ACC laboratory, demonstration of equipments, demonstration of Cell Passaging. Hands on Practice on preparation of complete media, and cell seeding.
5	3 PM TO 5 PM	5	

Day 3: 13th/ October /2019

SR	TIME	BATCH	PROTOCOLS
1	8 AM TO 10 AM	1	Individual practice on cell passaging, cell counting, MTT Assay and Cryopreservation.
2	10 AM TO 12 AM	2	
3	12:30 AM TO 3:00 PM	3	
4	1 PM TO 3:00 PM	4	Individual practice on cell passaging, cell counting, MTT Assay and Cryopreservation.
5	3:00 PM TO 5:00 PM	5	

Day 4: 14th / October/ 2019

SR	ACTIVITY	TIME
1	MTT ASSAY (ALL BATCHES FROM 1 ST SCHEDULE)	10 AM TO 11 AM
2	MTT ASSAY RESULT ANALYSIS (ALL BATCHES)	1 PM TO 2 PM

(FOR 2nd SCHEDULE)**Day 5: 14th / October /2019****Hands On Practice (By Dr Utpal Dongre, Ms. Rita Lakkakul and Ms. Swati Chimurkar)**

SR	TIME	BATCH	PROTOCOLS
1	8 AM TO 10 AM	1	Introduction to ACC laboratory, demonstration of equipments, demonstration of Cell Passaging. Hands on practice on preparation of complete media, and cell seeding.
2	10 AM TO 12 PM	2	
3	1 PM TO 3 PM	3	
4	12:30 PM TO 2:30 PM	4	Introduction to ACC laboratory, demonstration of equipments, demonstration of Cell Passaging. Hands on Practice on preparation of complete media, and cell seeding.
5	3 PM TO 5 PM	5	

Day 6: 15th / October /2019

SR	TIME	BATCH	PROTOCOLS
1	8 AM TO 10 AM	1	Individual practice on cell passaging, cell counting, MTT Assay and Cryopreservation.
2	10 AM TO 12 AM	2	
3	1 AM TO 3:00 PM	3	
4	12:30 PM TO 2:30 PM	4	Individual practice on cell passaging, cell counting, MTT Assay and Cryopreservation.
5	3:00 PM TO 5:00 PM	5	

Day 7: 16th /October / 2019

SR	ACTIVITY	TIME
1	MTT ASSAY (ALL BATCHES FROM 2 ND SCHEDULE)	9 AM TO 10 AM
2	MTT ASSAY RESULT ANALYSIS (ALL BATCHES)	12 PM TO 2 PM

Day 8: 17th /October/ 2019

SR	ACTIVITY	TIME
1	TEST	10 AM TO 10:30 AM
2	VALEDICTORY FUNCTION	11:00 AM TO 1 PM
3	SNACKS AND TEA	1:00 PM

List of participated students:

Dr Ambedkar College, Deekshabhoomi, Nagpur				
Department of Biochemistry and Biotechnology				
ACC 2019-20				
11-17 October 2019				
Student attendance				
SR	Name of the Student	Sem	Signature	
1	NEETU SURESH KAROSIYA	V	Neetu	
2	PALLAVI SHIVPAL RAHANGDALE	V	Pallavi	
3	SHRADDHA RAMESH HIWARKAR	V	Shraddha	
4	AACHAL GOPAL PATHAK	V	Aachal	
5	AAKASH RAVIKANT LIKHAR	V	Aakash	
6	AANCHAL BARUN GHOSH	V	Aanchal	
7	AAYUSHI GANGADHAR KALE	V	Ayushi	
8	ABHYANG PUSARAM RAMTEKE	III	Abhyang	
9	ADITYA ASHOK GADPAYLE	III	Aditya	
10	ADITYA SANTOSH TANDULKAR	I	Aditya	
11	AKANKSHA RAJESH KHARCHI	I	Akanksha	
12	AKASH VINOD KHARCHI	I	Akash	
13	AKHIL UTTAM TAMBE	III	Akshil	
14	ALAY AJAY GAIWAD	III	Alay	
15	AMAN ANESH SHEWARE	III	Aman	
16	AMAN LALCHAND GUPTA	III	Aman	
17	AMBUJ DEEPAK MISHRA	I	Ambuj	
18	ANCHAL VINOD CHANDRIKAPURE	V	Anchal	
19	ANKIT DINESH TELASE	V	Ankit	
20	ANSHUMAN VIJAY GAIKWAD	I	Anshuman	
21	APURVA MORESHWAR BANDE	V	Aparva	
22	AREYA MARMIK SHENDE	I	Areya	
23	AYUSHI RAVINDRAKUMAR PANDELI	I	Ayushi	
24	AYUSHI VILAS KATRE	I	Ayushi	
25	BALVIR SATISH CHOUDHARY	I	Balvir	
26	BHAGYASHRI RAMESH CHAKATE	V	Bhagya	
27	CAROLINE GEORGE	V	Caroline	
28	CHETANA CHANDRAMANI PATIL	V	Chetana	
29	CHHAYA DINESH INGOLE	V	Chhaya	
30	CHHAYA YADORAO THAWARE	I	Chhaya	
31	CHINMAI ARVIND KHORGAD	I	Chinmai	
32	DHANASHREE ASHOK BORKAR	III	Dhanashree	
33	DHANSHREE WAMAN KAKDE	V	Dhanshree	
34	DHRITI PARESH KARIA	V	Dhritya	
35	DIKSHA ARUN PAKHALE	III	Diksha	
36	DINKY RAM WADHWANI	V	Dinku	
37	DIPESH VINOD RALE	I	Dipesh	
38	DIPTEE BABULA PAKHALE	V	Diptee	
39	DIVYANSH AJAY DHONGE	I	Divyansh	
40	DWIDHESH GIRISH KUMAR KHARIKA	III	Dwidhesh	
41	GEETANJALI SANJAY MOHOD	III	Geetanjali	
42	GITESH THOTE	I	Gitesh	
43	GITESH UMAKANT DARADMARE	V	Gitesh	
44	HIMANI RAJESHWAR NIKHAR	V	Himani	
45	HIMANSHI SHAILENDRA SAKHRE	III	Himanshi	
46	HIMANSHU ANAND SAKHARE	V	Himanshu	
47	IPSHITA SUDIP MUKHERJEE	V	Ipsita	
48	ISHITA SUDHIR KHILLARE	III	Ishita	
49	JANHAVI CHANDRAKUMAR PASHINI	V	Janhavi	
50	JANHAVI PRAKASH BHUJADE	III	Janhavi	
51	JANKI ANANTRAO SHELKE	V	Janki	
52	JANVHI RAKESH BHAIKARE	I	Janvhi	
53	KAJAL PRADEEP NAYAK	III	Kajal	
54	KAJOL SURESH KHAWSHI	V	Kajol	
55	KALYANI NILKANTH BHOYAR	V	Kalyani	

56	KAMINI DEVANAND CHATOLE	V	Kamini
57	KANCHAN ARUN GAWANDE	V	Kanchan
58	KANCHAN MURLIDHAR BALPANDE	III	Kanchan
59	KANCHAN SANJAY SHIMPI	III	Kanchan
60	KUNAL SADANAND PRABHUNE	V	Kunal
61	LAVANYA ATUL THAKRE	I	Lavanya
62	LUCKY NARENDRA DAHARWAL	V	Lucky
63	LUMBINI NANDAN ONKAR	V	Lumbini
64	MADHUSMITA ABHAYA KUMAR TRI	V	Madhusmita
65	MAITREYEE RAJU YERANE	V	Maitreyee
66	MAYURI ASHOK WANKHEDE	V	Mayuri
67	MAYURI BALWANT DADMAL	V	Mayuri
68	MOUSMI AJAY MESHAM	V	Mousmi
69	MRUNALI WASUDEO NIMBALKAR	V	Mrunali
70	MUSKAN RAMASHANKAR YADAV	I	Muskan
71	NANDINI DINESH UPADHYAY	I	Nandini
72	NARENDRA SHANKARLAL SHERSIYA	I	Narendra
73	NEHA RADHESHYAM WANI	I	Neha
74	NIDHI BHARAT GANAR	I	Nidhi
75	NIDHI SUNIL AMBADE	V	Nidhi
76	NIHARIKA RAJNARAYAN TIWARI	V	Niharika
77	NIKHITA VASANTA TAMBDE	V	Nikhita
78	NIKITA PRAJAPATI	I	Nikita
79	NIKITA YOURAJ MANAPURE	V	Nikita
80	NISHANT LALITKUMAR BAHEKAR	I	Nishant
81	NISHITA NARENDRA DUBEY	I	Nishita
82	PALASH RAJESH GHODE	V	Palash
83	PALESH RAMDHAN CHAVHAN	I	Palesh
84	PAWAN DNYANESHWAR KHANGAR	V	Pawan
85	PAYAL MANIKRAO KAMBLE	V	Payal
86	PRACHI MANOJ NAIK	V	Prachi
87	PRACHI VIJAY BANSOD	V	Prachi
88	PRAGATI PUNDLIK MESHAM	V	Pragati
89	PRAJAKTA PETHE	IV	Prajakta
90	PRAJAKTA TULARAM JOGI	V	Prajakta
91	PRANJAL AJAY CHAWARE	V	Pranjali
92	PRANJALI ANIL NARSAPURKAR	V	Pranjali
93	PRANJALI MANOJ KAMBLE	V	Pranjali
94	PRATIKSHA NATTHUJI CHIMOTE	V	Pratiksha
95	PRATISHTHA PADMAKAR MANKAR	V	Pratishtha
96	PRITAM SUNIL KALBANDE	V	Pritam
97	PRIYA RAMESH BHALERAO	V	Priya
98	PUNAM GANESHRAO MAHAKALE	V	Punam
99	REVATI YADAV BHAKTE	V	Revati
100	RIYA AMARDIP DHANVIJAY	V	Riya
101	RIYA NARENDRA SHAHARE	V	Riya
102	RUPAL DHARMENDRA RAMTEKE	V	Rupal
103	RUPAL WAMAN SALWANKAR	V	Rupal
104	RUTUJA SHEKHAR PUNSE	V	Rutuja
105	SAKSHI ABHAY BHAMBORE	V	Sakshi
106	SAKSHI ANIL BANKAR	V	Sakshi
107	SAKSHI GOVIND SHARMA	V	Sakshi
108	SAKSHI MUKESH BHIVGADE	V	Sakshi
109	SAKSHI ROHIDAS RATHOD	V	Sakshi
110	SAKSHI VINOD VAIRAGADE	V	Sakshi
111	SAMBODHI NITIN SHAMBHARKAR	V	Sambodhi
112	SAMIKSHA RAJENDRA SAHARE	V	Samiksha
113	SAMREEN RAJU ZADE	V	Samreen
114	SAMRUDDHI AJAY SONTAKKE	V	Samruddhi
115	SAROJ MUKESH VARKADE	V	Saroj
116	SHAHIN ISRAIL PATHAN	V	Shahin

117	SHALINI DINESH GOUR	V	Shalini
118	SHIVANI KISHOR NAIDU	V	Shivani
119	SHIVANI PRAKASH DHURVE	V	Shivani
120	SHIVANI RAMAKANT BARSAGADE	V	Shivani
121	SHRADDHA DADARAO SONTAKKE	V	Shraddha
122	SHRADDHA SHAILENDRA NITNAWAI	V	Shraddha
123	SHREYA SANJAY NAIK	V	Shreya
124	SHRUSHTI LILUCHAND MATAGHARE	III	Shrushti
125	SHRUTI CHANDRAKANT MESHARAM	V	Shruti
126	SHRUTI SURESH UMARE	III	Shruti
127	SHRUTIKA MAHESH MATE	V	Shrutika
128	SHWETA GANPATRAO FATE	V	Shweta
129	SHWETA GANPATRAO FATE	V	Shweta
130	SIDRA IMAD HUSSAIN	III	Sidra
131	SNEHAL KAWADU KAMBLE	V	Snehal
132	SURUCHI SANJAY GAOPANDE	V	Suruchi
133	SWARALI PRASHANT DIGHE	III	Swarali
134	SWETA RAJESH WAGHMARE	III	Sweta
135	TANAYA ULHAS MUDE	III	Tanaya
136	TEJASWINI DEEPAK KHELKAR	V	Tejaswini
137	TINA GANESH PAKHALE	III	Tina
138	TRUSHA SUNIL KARWADE	III	Trusha
139	TRUSHALI GIRISH SOMKUNVAR	III	Trushali
140	TUBA ASHFAQUE KHAN	V	Tuba
141	TUSHAR PRAKASH MADKE	V	Tushar
142	UMA BADAMA SINGH	III	Uma
143	UNNATI DIWAKAR WANKADHE	III	Unnati
144	V. LYDIA MARY SAXSANA	III	Lydia
145	VAISHALI BODRAJ PARDHI	V	Vaishali
146	VAISHNAVI ASHOK KATHANE	V	Vaishnavi
147	VAISHNAVI CHANDRASHEKHAR BAL	V	Vaishnavi
148	VAISHNAVI GAJANAN WANKAR	III	Vaishnavi
149	VAISHNAVI RAJENDRA BHANGE	III	Vaishnavi
150	VAISHNAVI SATISH KHADE	III	Vaishnavi
151	YAMINI OMCHANDRA THOTE	V	Yamini
152	YASHASVI YASH RAO	V	Yashasvi
153	YOGITA DEEPAK SHEMBEKAR	III	Yogita

Glimpses of the programme:



Feedback:

Dr Ambedkar College, Deekshabhoomi, Nagpur

Department of Biochemistry and Biotechnology

Animal Cell Culture Workshop

Held on: 11-17/October/2019

Feedback Form : Paulan Khargar.

Name of the student : _____

Batch : 2019-20

Year : _____

Did you find content of the programme suitable for general awareness on research?

yes

Did you find teacher of the programme eligible to deliver the content of the topic?

yes

How this programme will help you in getting aware about the animal research?

good

How much score you give to this programme out of 10.

10

Do you think such type of programmes shall be organised by the department in future also?

yes

Before attending the programme did you have idea about the animal cell culture research.

No.

Signature: P. Khargar.

Dr Ambedkar College, Deekshabhoomi, Nagpur

Department of Biochemistry and Biotechnology

Animal Cell Culture Workshop

Held on: 11-17/October/2019

Feedback Form : Giteeh Thote

Name of the student : _____

Batch : 2019 - 2020

Year : _____

Did you find content of the programme suitable for general awareness on research?

yes

Did you find teacher of the programme eligible to deliver the content of the topic?

yes

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Good

How much score you give to this programme out of 10.

10

Do you think such type of programmes shall be organised by the department in future also?

yes

Before attending the programme did you have idea about the animal cell culture research.

NO

Signature: Giteeh Thote