



B. L. D. E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE
Smt. Bangaramma Sajjan Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103
Accredited with CGPA of 2.99 at 'B' Grade in 4th Cycle by NAAC
(Affiliated to Rani Channamma University, Belagavi)
Phone: (08352) 262770, Extn. 2223, 2224
Website: www.bldeasbkcp.ac.in E-mail: bldeasbkcp@gmail.com



2022-2023

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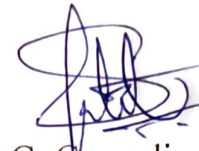
Date:

DEPARTMENT OF ZOOLOGY

NOTICE

It is hereby informed to all the B. Sc I, III & V Semester (CBZ) students that, Department of zoology is conducting Class seminars from 23/01/2023. So, interested students can give their name with selected topic for seminars to concerned teachers.


Head of the Department
Department of Zoology,
S.B.Arts & K.C.P Sc. College,
VIJAYAPUR.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
S.B. Arts and KCP Science College,
VIJAYAPUR



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DEPARTMENT OF ZOOLOGY

ACTIVITY: SEMINAR PRESENTATION

CLASS: B. Sc 1st Semester

LIST OF STUDENTS WITH TOPIC

YEAR - 2022/23

SL. NO	SEMESTER	ROLL NO	NAME OF STUDENT	TOPIC
1.	B. Sc I Sem	U15KM22S0242	SOUNDARYA GIRANIWADDAR	Lysosomes
2.	B. Sc I Sem	U15KM22S0279	KARISHMA MOTILAL CHAVAN	mitochondria
3.	B. Sc I Sem	U15KM22S0032	SAKSHI SHANTHMALLA GOLE	Neurons
4.	B. Sc I Sem	U15KM22S0013	PRIYANKA A PACHA	Types of muscles
5.	B. Sc I Sem	U15KM22S0037	VIJAYALAKSHMI METI	Smooth muscle

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Head of the
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IQAC, Co-ordinator
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DEPARTMENT OF ZOOLOGY B.Sc I SEMESTER SEMINAR ATTENDANCE LIST

SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/11/23	24/11/23	25/11/23	28/11/23
1	U15KM22S0007	SHARANAGOUDA				
2	U15KM22S0011	AJMERA MUJAWAR				
3	U15KM22S0013	PRIYANKA A PACHA				
4	U15KM22S0014	SOUNDARYA KADAKOL				
5	U15KM22S0015	SUBHAS NEELAPPA TADLAGI				
6	U15KM22S0016	HORTIKAR SHRIDEVI MANOHAR				
7	U15KM22S0017	ANSH MOHAN JOSHI				
8	U15KM22S0028	RAHUL JAVALI				
9	U15KM22S0032	SAKSHI SHANTHMALLA GOLE				
10	U15KM22S0035	RANJITA KULKARNI				
11	U15KM22S0036	VIDISHA				
12	U15KM22S0037	VIJAYALAKSHMI METI				
13	U15KM22S0042	SUNITA MALGAR				
14	U15KM22S0052	LAXMI				
15	U15KM22S0062	SUHASINI				
16	U15KM22S0079	VIJAYALAXMI A NANDASHETTI				
17	U15KM22S0092	VISHWANATH				
18	U15KM22S0093	LAXMI MAHADEVAPPA KAMATAGI				
19	U15KM22S0104	SOLANKI YASHODA				
20	U15KM22S0118	BHAGYASHREE H GOUDAR				
21	U15KM22S0121	LAXMI KUMBAR				
22	U15KM22S0122	VAISHNAVI PATIL				
23	U15KM22S0126	SHIVALEELA KALLAPPA ADAGALL				
24	U15KM22S0134	SAPNA LALSINGH RATHOD				
25	U15KM22S0143	SUJAY APPANNA KAMATAGI				
26	U15KM22S0144	SANGAMMA SAJJAN				
27	U15KM22S0147	RASHMI SHARANAPPA GANIGER				
28	U15KM22S0150	VAISHALI MALLANNA KADAKALL				
29	U15KM22S0152	DARSHAN NAVI				
30	U15KM22S0155	AMOGHASIDDA DALAWAI				
31	U15KM22S0161	SOMASHEKAR SINGE				
32	U15KM22S0169	PREETAM PUNDLEEK RAJPUT				
33	U15KM22S0172	SAUJANYA M BUDIHAL				
34	U15KM22S0173	MALLU SHIVAPPA BEERAGOND				
35	U15KM22S0196	SIDDAPPA MAMALLAPPA GUDDI				
36	U15KM22S0198	ANIL BABU CHAVAN				



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SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/11/23	24/11/23	25/11/23	28/11/23
37	U15KM22S0200	BASAVRAJESHWARI IJERI	B.S. Ijeri	B.S. Ijeri	B.S. Ijeri	B.S. Ijeri
38	U15KM22S0208	DIVYA NAGASHETTI	Divya	Divya	Divya	Divya
39	U15KM22S0214	SAKSHI SATALAGON	Sakshi	Sakshi	Sakshi	Sakshi
40	U15KM22S0215	RAJKUMAR KORI	Raj	Raj	Raj	Raj
41	U15KM22S0217	SHREERAJ GABBUR	Shreeraj	Shreeraj	Shreeraj	Shreeraj
42	U15KM22S0218	JYOTI BILWAR	Jyoti C.B	Jyoti C.B	Jyoti C.B	Jyoti C.B
43	U15KM22S0228	ROHIT	Rohit	Rohit	Rohit	Rohit
44	U15KM22S0231	RAVI CHAVAN	Ravi	Ravi	Ravi	Ravi
45	U15KM22S0240	ROHINI KAMBLE	Rohini	Rohini	Rohini	Rohini
46	U15KM22S0241	TRISHALA DEVI SHETTI	T.D.S.	T.D.S.	T.D.S.	T.D.S.
47	U15KM22S0242	SOUNDARYA GIRANIWADDAR	Soundarya	Soundarya	Soundarya	Soundarya
48	U15KM22S0255	RAKSHITA BHEEMANNA MEDEDAR	Rakshi	Rakshi	Rakshi	Rakshi
49	U15KM22S0269	MEGHA VITTHALGOUDA BIRADAR	Megha	Megha	Megha	Megha
50	U15KM22S0270	SACHIN RATHOD	Sachin	Sachin	Sachin	Sachin
51	U15KM22S0279	KARISHMA MOTILAL CHAVAN	Karishma	Karishma	Karishma	Karishma
52	U15KM22S0289	BANDENAVAJ HAJISAB JATAGAR	B.H. Jatar	B.H. Jatar	B.H. Jatar	B.H. Jatar
53	U15KM22S0306	VIDDYA VIJAYASING JADHAV	Vidya	Vidya	Vidya	Vidya
54	U15KM22S0307	AKSHATA RUDRGOUDA PATIL	Aksha	Aksha	Aksha	Aksha
55	U15KM22S0308	SRUSHTI HOOLAGERI	Srushti	Srushti	Srushti	Srushti
56	U15KM22S0309	KASHINATH KOLI	Kashinath	Kashinath	Kashinath	Kashinath

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DEPARTMENT OF ZOOLOGY

ACTIVITY: SEMINAR PRESENTATION

CLASS: B. Sc 3rd Semester

LIST OF STUDENTS WITH TOPIC

YEAR - 2022/23

SL. NO	SEMESTER	NAME OF STUDENT	TOPIC
1.	B. Sc III Sem	Manoj	Electron microscope
2.	B. Sc III Sem	Keertana	Centrifugation
3.	B. Sc III Sem	Prajwal	Scanning electron microscope
4.	B. Sc III Sem	Vijaylaxmi	pBR 320
5.	B. Sc III Sem	Smiti	calorimetry

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DEPARTMENT OF ZOOLOGY
B.Sc III SEMESTER
SEMINAR ATTENDANCE LIST

SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/11/23	24/11/23	25/11/23	28/11/23
1	U15KM21S0004	USHA RAJU RATHOD	Ab	Ab	Ab	Ab
2	U15KM21S0005	PRATHAM SURESH MURAGE	Pratham	Pratham	Pratham	Pratham
3	U15KM21S0016	SAHANA SADASHIV HONAKAMBLE	S	S	S	S
4	U15KM21S0018	BHAGYASHREE S ANGADI	Bs	Bs	Bs	Bs
5	U15KM21S0021	NIKITA G RATHOD	Niel	Niel	Niel	Niel
6	U15KM21S0030	SAKSHI SHANKAR AMBURE	Ambure	Ambure	Ambure	Ambure
7	U15KM21S0032	ANKITA RADDEKAR	Raddekar	Raddekar	Raddekar	Raddekar
8	U15KM21S0035	LAXMI BIRADAR	Lat	Lat	Lat	Lat
9	U15KM21S0041	VIJAYALAXMI RAMESH VASTRAD	Vast	Vast	Vast	Vast
10	U15KM21S0044	ANKITA MADEV VAGAMORE	Vaghad	Vaghad	Vaghad	Vaghad
11	U15KM21S0045	KABIRDAS TALAKERI	Kar	Kar	Kar	Kar
12	U15KM21S0050	ANUSHREE BIRADAR	Ab	Ab	Ab	Ab
13	U15KM21S0056	RENUKA MALI B	Anushree	Anushree	Anushree	Anushree
14	U15KM21S0064	MANJUNATH B UPPAR	Manjunath	Manjunath	Manjunath	Manjunath
15	U15KM21S0065	SHWETA JNANESHWAR KHOT	Shweta	Shweta	Shweta	Shweta
16	U15KM21S0067	AISHWARYA VITTHAL BIRADAR	Aishwarya	Aishwarya	Aishwarya	Aishwarya
17	U15KM21S0070	VAISHNAVI POL	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
18	U15KM21S0073	BHAGESH VITTAL DEVAKATE	Bhagesh	Bhagesh	Bhagesh	Bhagesh
19	U15KM21S0076	ISHWAR RATHOD	Ishwar	Ishwar	Ishwar	Ishwar
20	U15KM21S0077	SAVITRI PARASHURAM MENDIGERI	Savitri	Savitri	Savitri	Savitri
21	U15KM21S0078	VIVEKANAND P MENDIGERI	Vivekanand	Vivekanand	Vivekanand	Vivekanand
22	U15KM21S0079	ANUSHA PATIL	Anusha	Anusha	Anusha	Anusha
23	U15KM21S0087	MAHANTESH SHREESHAIL ZALAKI	Mahantesh	Mahantesh	Mahantesh	Mahantesh
24	U15KM21S0088	ROHINI SOMALINGA KUMBARA	Rohini	Rohini	Rohini	Rohini
25	U15KM21S0089	PAVITRA MENDEGAR	Pavitra	Pavitra	Pavitra	Pavitra
26	U15KM21S0103	SUMA PODDAR	Suma	Suma	Suma	Suma
27	U15KM21S0106	PREMA LAXMAN KOTI	Prema	Prema	Prema	Prema
28	U15KM21S0109	SANIKA PRAKASH KADAM	Sanika	Sanika	Sanika	Sanika
29	U15KM21S0118	MEGHA KOODAGI	Megha	Megha	Megha	Megha
30	U15KM21S0121	SAGAR RAVATAPPA BHOSAGI	Sagar	Sagar	Sagar	Sagar
31	U15KM21S0122	ANKITA CHANDRAKANT POL	ANKITA	ANKITA	ANKITA	ANKITA
32	U15KM21S0125	VINAYAK SHESHADRI	Vinayak	Vinayak	Vinayak	Vinayak
33	U15KM21S0126	AKSHAYAKUMAR J KALABA	Akshay	Akshay	Akshay	Akshay
34	U15KM21S0131	MANJUNATH M DHAVALAGI	Manjunath	Manjunath	Manjunath	Manjunath
35	U15KM21S0139	NAFEESA BADRODDIN MULLA	Nafeesa	Nafeesa	Nafeesa	Nafeesa
36	U15KM21S0140	ANKITA SALODAGI	Salodagi	Salodagi	Salodagi	Salodagi



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			23/1/23	24/1/23	25/1/23	28/1/23
37	U15KM21S0144	BHAGYASHRI S MUDNUR				
38	U15KM21S0145	PREMA SHREESHAIL MULAWAD				
39	U15KM21S0155	DINESH UMMANAGOL				
40	U15KM21S0161	KEERTI TALEWAD				
41	U15KM21S0164	SALEEM IMAMSAB MUJAWAR				
42	U15KM21S0172	PRASANKUMAR HARUGERI				
43	U15KM21S0180	DAYANAND ALAGUNDAGI				
44	U15KM21S0181	SANGAMESH BASAPPA KUMBAR				
45	U15KM21S0182	LAXMI ISHWAR SALAGAR				
46	U15KM21S0187	BHUMIKA BORADE				
47	U15KM21S0190	VISHAL MATH				
48	U15KM21S0198	AKSHATA VEERESH KADI				
49	U15KM21S0199	VIJAYKUMAR S MADABHAVI				
50	U15KM21S0203	KAVERI BHAVUSAB BIRADAR				
51	U15KM21S0204	AISHWARYA MAJJAGI				
52	U15KM21S0208	VIJAYALAXMI P KUMBAR				
53	U15KM21S0211	PRIYANKA GURUPADA BIRADAR				
54	U15KM21S0217	VINAYAK KUBAKADDI				
55	U15KM21S0220	SAMARTH DUTTARGAVI				
56	U15KM21S0223	SMITHI SANGAPPA MUKIHAL				
57	U15KM21S0226	KAVYA ANGADI				
58	U15KM21S0228	PRAJWAL				
59	U15KM21S0239	KEERTANA DHAREPPA HALINGALI				
60	U15KM21S0241	RADHIKA MELAPPA HALLI				
61	U15KM21S0243	ANKITA				
62	U15KM21S0245	MANOJ KULAKARNI				
63	U15KM21S0248	BHAGYASHREE				
64	U15KM21S0252	MEGHA SUNIL SAYAGAVI				
65	U15KM21S0256	SANGEETA KANTAPPA DASHAVANT				
66	U15KM21S0259	POOJA SHREEMANT KALLUR				
67	U15KM21S0262	SUNIL KUMAR C LAMANI				
68	U15KM21S0263	MALLIKARJUN SIDDAPPA KUMBAR				
69	U15KM21S0264	PRAVEEN ANIL RATHOD				
70	U15KM21S0267	SAVITRI JAMBAGI				
71	U15KM21S0268	SUDEEP S BHANDARI				
72	U15KM21S0269	AISHWARYA MAHADEV HONNAD				
73	U15KM21S0274	HARSHITA MOHAN MALLUR				
74	U15KM21S0278	SAMARTHA CHANDAKAVATHE				
75	U15KM21S0280	RANAJEET RATHOD				
76	U15KM21S0296	KAVERI DHULAPPA UPPAR				
77	U15KM21S0298	SUMATI RAMESH HITTANLLI				

Head of the
 Department of Zoology,
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			23/1/23	24/1/25	25/1/21	23/1/22
78	U15KM21S0302	PUJARI MEGHA MAHESH	Megha	Megha	Megha	Megha
79	U15KM21S0309	JYOTI RAJAPUT	J. Rajput	J. Rajput	J. Rajput	J. Rajput
80	U15KM21S0324	ABHISHEK ASHOK BUDIHAI	Abhishek	Abhishek	Abhishek	Abhishek
81	U15KM21S0328	CHANNAREDDY	Channareddy	Channareddy	Channareddy	Channareddy
82	U15KM21S0347	LAKSHMI HOSUR	Lakshmi	Lakshmi	Lakshmi	Lakshmi
83	U15KM21S0348	NIKITA VITTHAL NAD	Nikita	Nikita	Nikita	Nikita
84	U15KM21S0350	RADHIKA SHRISHAIL RATTAL	Radhika	Radhika	Radhika	Radhika
85	U15KM21S0351	KARTIK KORABU	K. Korabu	K. Korabu	K. Korabu	K. Korabu
86	U15KM21S0352	PRAGATI SIDDAPPA GODIHAL	Pragati	Pragati	Pragati	Pragati
87	U15KM21S0376	SHREESHAIL TANGADI	Shreeshail	Shreeshail	Shreeshail	Shreeshail
88	U15KM21S0393	HIREMATH NISARGA CHIDANAND	Hiremath	Hiremath	Hiremath	Hiremath
89	U15KM21S0435	WAGHMARE ADITYA SURESH	Waghmare	Waghmare	Waghmare	Waghmare
90	U15KM21S0445	DANESH RACHAPPA AWATI	Danesh	Danesh	Danesh	Danesh
91	U15KM21S0448	ASHWINI NAIKODI	Ashwini	Ashwini	Ashwini	Ashwini
92	U15KM21S0449	APEKSHA KADADI	Apeksha	Apeksha	Apeksha	Apeksha
93	U15KM21S0453	PRAJWAL SURESH BIRADAR	Prajwal	Prajwal	Prajwal	Prajwal
94	U15KM21S0457	SUKANYA SHARANAPPA BIRAKABBI	Sukanya	Sukanya	Sukanya	Sukanya
95	U15KM21S0473	SHRUTI PANDAPPA INDI	Shruti	Shruti	Shruti	Shruti
96	U15KM21S0488	LAXMI SUBHAS KARIKABBI	Laxmi	Laxmi	Laxmi	Laxmi
97	U15KM21S0489	PRABHAVATI SHIRASHYAD	Prabhavati	Prabhavati	Prabhavati	Prabhavati
98	U15KM21S0493	AISHWARYA SATAPUTE	Aishwarya	Aishwarya	Aishwarya	Aishwarya
99	U15KM21S0497	AKANKSHA	Akanksha	Akanksha	Akanksha	Akanksha
100	U15KM21S0502	ANITA PATIL	Anita	Anita	Anita	Anita
101	U15KM21S0504	SHOBHA SANGAPPA KOKATANUR	Shobha	Shobha	Shobha	Shobha
102	U15KM21S0505	NINGARAJ BHIMANNA YATANOOR	Ningaraj	Ningaraj	Ningaraj	Ningaraj
103	U15KM21S0512	NITYA BHIMRAO GONGADI	Nitya	Nitya	Nitya	Nitya
104	U15KM21S0513	PRAJWAL B YATNUR	Prajwal	Prajwal	Prajwal	Prajwal
105	U15KM21S0533	C AISHWARYA TAMMARAY	Aishwarya	Aishwarya	Aishwarya	Aishwarya
106	U15KM21S0555	ASHWINI KATTIMANI	Ashwini	Ashwini	Ashwini	Ashwini
107	U15KM21S0564	SAHANA PATTAR	Sahana	Sahana	Sahana	Sahana
108	U15KM21S0565	GOURI JOGANNAVAR	Gouri	Gouri	Gouri	Gouri
109	U15KM21S0566	ASHWINI GUDDODAGI	Ashwini	Ashwini	Ashwini	Ashwini
110	U15KM21S0568	MANJUNATH	Manjunath	Manjunath	Manjunath	Manjunath

111 U15KM21S0010 RADHIKA. S.p

112 U15KM21S0019 BHAVANI

113 U15KM21S0061 S.V. Kulkarni

114 U15KM21S0047 Varsha. S. Degmal

Head of the Department

IQAC Coordinator

Principal

Head of the
Department of Zoology,
S.B.Arts & K.C.P. Sc. College,
VIJAYAPUR.

IQAC Co-ordinator
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B. L. D. E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE

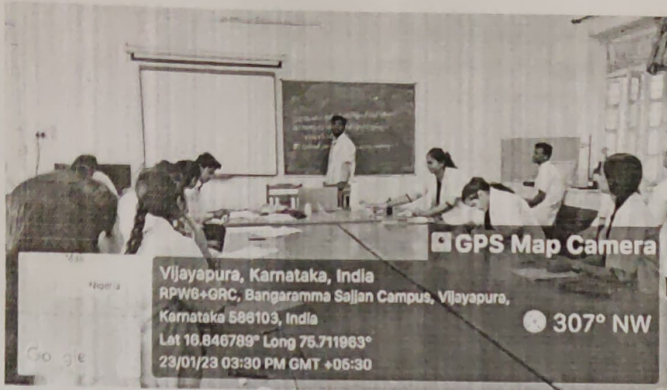
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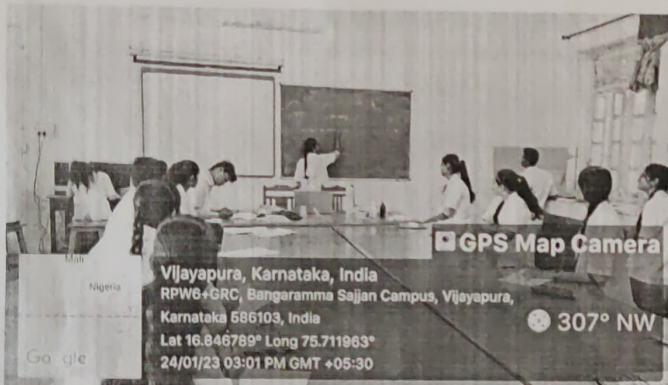
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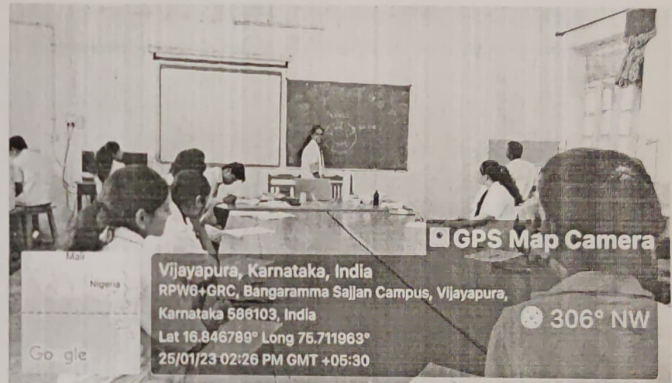
Prajwal- Scanning electron microscope



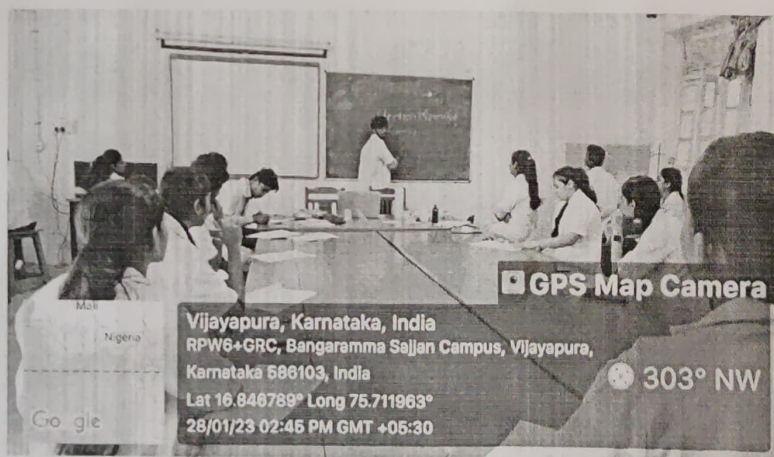
Keertana- Centrifugation



Smithi - calorimetric



Vijayalaxmi - Plasmid



Manoj - Electron microscope

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DEPARTMENT OF ZOOLOGY

ACTIVITY: SEMINAR PRESENTATION

CLASS: B. Sc 5th Semester

LIST OF STUDENTS WITH TOPIC

YEAR - 2022/23

SL. NO	SEMESTER	NAME OF STUDENT	TOPIC
1.	B. Sc V Sem	Satish N	Apoptosis
2.	B. Sc V Sem	Anjali	Cell Biology
3.	B. Sc V Sem	Aishwarya Sajjan	Vermitechnology
4.	B. Sc V Sem	Sharan Basav	Biostatistics
5.	B. Sc V Sem	Seema Jatti	Central tendency
6.	B. Sc V Sem	Akshata Kori	Apiculture
7.	B. Sc V Sem	Bhumika Bellad	Dairy technology
8.	B. Sc V Sem	Haripriya Kavi	Pearl culture


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DEPARTMENT OF ZOOLOGY
B.Sc V SEMESTER
SEMINAR ATTENDANCE LIST

SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/11/23	24/11/23	25/11/23	28/11/23
1	S2025041	MANJUSHA MARATHE				
2	S2028401	A VIKAS				
3	S2028402	ABHISHEK				
4	S2028407	ABHISHEK ALAGUR				
5	S2028409	AFREEN				
6	S2028410	AISHWARYA A SHIPARAMATTI				
7	S2028413	AISHWARYA DAYANAND ANKALAGI				
8	S2028415	AISHWARYA GURURAJ KOULAGI				
9	S2028417	AISHWARYA ISHWAR SAVANT				
10	S2028422	AISHWARYA PRAKASH NAGAVI				
11	S2028424	AISHWARYA S BIRADAR				
12	S2028426	AISHWARYA SAJJAN				
13	S2028437	AKASH KABADE				
14	S2028440	AKASH S INGALESHWAR				
15	S2028444	AKSHATA KORI				
16	S2028446	AKSHATA RACHAGOND				
17	S2028450	AKSHATA VIJAYAKUMAR METRI				
18	S2028451	AKSHATA V AKSHAYYA HIREMATH				
19	S2028454	AMARALAXMI S MULIMANI				
20	S2028456	AMBIKA				
21	S2028458	AMBIKA MONAPPA BADIGER				
22	S2028466	ANAND VIJAYAKUMAR PATIL				
23	S2028470	ANITA CHOUDHARY				
24	S2028472	ANJALI PATIL				
25	S2028474	ANJANA LONI				
26	S2028478	APOORVA WAGHMORE				
27	S2028481	APSANA MUJAWAR				
28	S2028483	ARATI KAREPPA KODEKAL				
29	S2028484	ARAVIND ASHOK SHEGUNASI				
30	S2028485	ARAVIND KUMBAR				
31	S2028489	ASHA				
32	S2028491	ASHWINI				
33	S2028500	BAGALKOT ANJALI SURESH				
34	S2028506	BHAGANNA DATTAPPA POOJARI				
35	S2028511	BHAGYASHREE BAGALLOOR				
36	S2028512	BHAGYASHREE C AMBAGER				



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SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/1/23	24/1/23	25/1/23	26/1/23
37	S2028517	BHAGYASHREE HARASANAL	BH	BH	BH	BH
38	S2028520	BHAGYASHREE N HADAPAD	B.N.H	B.N.H	B.N.H	B.N.H
39	S2028521	BHAGYASHREE RAMESH BADIGER	B.R.D	B.R.D	B.R.D	B.R.D
40	S2028528	BHIMANGOUD THABBANNAVAR	B	B	AB	B
41	S2028529	BHOOMIKA S BELLAD	Bhoomi	Bhoomi	Bhoomi	Bhoomi
42	S2028530	BHUVANESHWARI L BATAGUNAKI	B	B	B	B
43	S2028533	CHAITRA SALOTAGI	C. Salotagi	C. Salotagi	C. Salotagi	AB
44	S2028534	CHANDANA	Chandana	Chandana	Chandana	Chandana
45	S2028535	CHANDAN SHANTAPPA KARNAL	C.S. Karnal	AB	C.S. Karnal	C.S. Karnal
46	S2028536	CHANDANA D SHRINGERI	Chandana	Chandana	Chandana	Chandana
47	S2028538	CHANDRAKANTH	Chandana	Chandana	Chandana	Chandana
48	S2028542	DAMINI B NAGARADDI	Damini	Damini	Damini	Damini
49	S2028550	VIKAS SUKHADEV GADADE	Vikas	Vikas	Vikas	Vikas
50	S2028555	GEETA HULLUR	Geeta	Geeta	Geeta	Geeta
51	S2028557	GIRISH MUKARTIHAL	Girish	Girish	Girish	Girish
52	S2028559	GURU MOUNESH PATTAR	Guru	Guru	Guru	Guru
53	S2028562	HARIPRIYA KAVI	Haripriya	AB	Haripriya	Haripriya
54	S2028563	HIRAGOND S RAMAGOND	Hiragond	Hiragond	Hiragond	Hiragond
55	S2028564	PREETI CHANDRAKANT HORTI	Preeti	Preeti	Preeti	Preeti
56	S2028572	JAYASHREE BAJANTRI	Jayashree	Jayashree	Jayashree	Jayashree
57	S2028574	JUBER MUJAWAR	J. Mujawar	J. Mujawar	J. Mujawar	J. Mujawar
58	S2028578	KAVERI CHENNUR	Kaveri	Kaveri	Kaveri	Kaveri
59	S2028580	KARISHMA KUSHAL NADAF	Karishma	Karishma	Karishma	Karishma
60	S2028584	KATTIKAR K AMASIDDA	AB	Kattikar	Kattikar	Kattikar
61	S2028592	KAVITA S NALKAMAN	Kavita	Kavita	Kavita	Kavita
62	S2028593	KAVYA BASAVARAJ YADAWAD	Kavya	Kavya	AB	Kavya
63	S2028597	KAVYA JAVALI	Kavya	Kavya	Kavya	Kavya
64	S2028600	KEERTI SHASHIKANT GADYAL	Keerti	Keerti	Keerti	Keerti
65	S2028602	KIRANA HITNALLI	AB	K. Hitnalli	K. Hitnalli	K. Hitnalli
66	S2028608	LAXMI BALI	LB	LB	LB	LB
67	S2028620	MADHUGOUDA M ASKI	Madhu	Madhu	Madhu	Madhu
68	S2028622	MAHANTAYYA	Mahantaya	Mahantaya	Mahantaya	AB
69	S2028625	MAHESH BIRADAR	M. Biradar	M. Biradar	M. Biradar	M. Biradar
70	S2028629	MALAPPA M POOJARI	M. P	M. P	M. P	M. P
71	S2028630	MALLANAGOUDA	AB	Mallanagouda	Mallanagouda	Mallanagouda
72	S2028634	MANASA SHIVASHARANA UJJINI	Manasa	Manasa	Manasa	Manasa
73	S2028636	MANJUNATH RAVASAB KHOT	M. Khot	M. Khot	M. Khot	M. Khot
74	S2028639	MEGHA BIRADAR	Megha	Megha	Megha	Megha
75	S2028643	NANDA ARAKERIMATH	Nanda	Nanda	Nanda	Nanda
76	S2028648	NEHA NARAYAN KAMBLE	N. Kamble	AB	N. Kamble	AB
77	S2028679	POOJA ASHOK WALIKHNDI	Pooja	Pooja	Pooja	Pooja



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SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/1/23	24/1/23	25/1/23	28/1/23
78	S2028682	POOJA RAJU SINDAGI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
79	S2028691	PRADNYA D KULAKARNI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
80	S2028692	PRAFULA YALAMELI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
81	S2028700	PRASHANT	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
82	S2028702	PRASHANT BHAGANNA KANNUR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
83	S2028713	PREETI BASAVANTAPPA PATIL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
84	S2028715	PREETI KALLAPPA HANJI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
85	S2028716	PREETI POLICE PATIL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
86	S2028719	PRIYANKA BHEEMARAY KANNUR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
87	S2028720	PRIYANKA KOTIKHANI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
88	S2028726	PUNEET LINGADALLI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
89	S2028728	RABIYA MOPAGAR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
90	S2028742	RASHMI BALESH TIKOTI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
91	S2028743	RASHMI R BHAVIMANI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
92	S2028748	RESHMA BHAGAWAN	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
93	S2028754	ROOPA BASAVARAJ HIPPARAGI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
94	S2028755	ROOPA DHANNUR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
95	S2028765	SAEE PRAKASH WAGHMARE	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
96	S2028772	SAHYADRI BASAVARAJ DOTIHAL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
97	S2028773	SAIKUMAR YAMANAPPA ILAGER	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
98	S2028774	SAKSHITA BASAPPA DALAWAI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
99	S2028786	SATISH NAGAPPAGOL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
100	S2028793	SEEMA SURESH JITTI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
101	S2028799	SHANTABAI MARUTI JAMADAR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
102	S2028801	SHARANABASABAVA SADYAPUR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
103	S2028805	SHASHI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
104	S2028812	SHIVARAJ	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
105	S2028815	SHIVUKUMAR KANNI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
106	S2028817	SHRADDHA TONDIKATTI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
107	S2028850	SONALI SANGAPPA KARJOL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
108	S2028852	SOUBHAGYA SURESHBABU ITAGI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
109	S2028853	SOUJANYA PRAKASH BAMMANALLI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
110	S2028854	SOUMYA AGNI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
111	S2028862	SPOORTI S SHETTENNAVAR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
112	S2028864	SRUSHTI ULLAGADDI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
113	S2028867	SUDEEP SATIHAL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
114	S2028872	SUJATA KIRASUR	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
115	S2028885	SUPRIYA CHIKKAYYA MATHAPATI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
116	S2028886	SURAKSHA SANGANNA JERATAGI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
117	S2028888	SUREKHA PRANESH KULKARNI	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi
118	S2028896	SUSMITA TILAGUL	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi	P.R. Sindagi



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SL NO	REGISTRATION NO	NAME	SIGNATURE			
			23/1/23	24/1/23	25/1/23	28/1/23
119	S2028900	SWATHI BIRADAR				
120	S2028909	TANUJA BARADOL				
121	S2028913	UMARANIKAR SHRUTI DEVENDRA				
122	S2028921	VAISHNAVI JAKANUR				
123	S2028923	VAISHNAVI KUMBAR				
124	S2028925	VAISHNAVI N KULKARNI				
125	S2028928	VANISHRI HIRAJRAY BIRADAR				
126	S2028929	VARSHA AGASAR				
127	S2028936	VIDYASHREE CHATTI				
128	S2028940	VIJAYALAXMI M PATTANAD				
129	S2028955	YASHODHA SURESH ROOGI				
130	S2033247	RAKESH SHRIKANT AWATI				
131	S2044803	AIRAS A MAKANDAR				

Head of the Department
Head of the
Department of Zoology,
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S.B.Arts & K.C.P.Science College,
Vijayapur.

Principal
Principal,
S.B. Arts and K.C.P. Science College,
Vijayapur.



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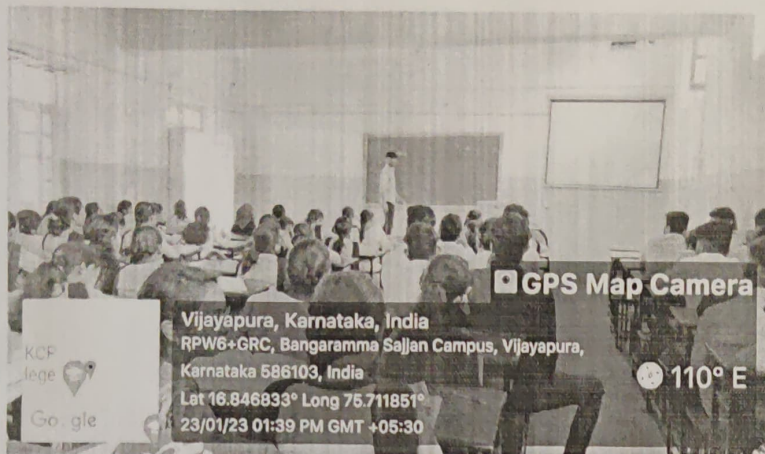
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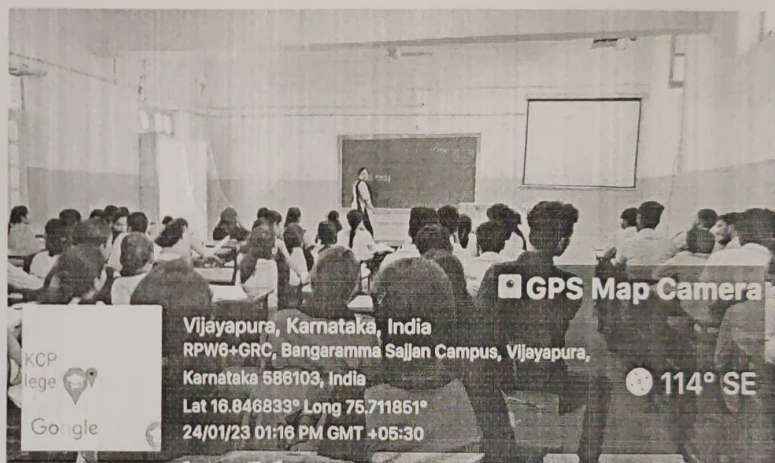
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Satish N - Apoptosis



Anjali - Cell Biology



Aishwarya Sajjan -
Vermitechnology

Head of the
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VIJAYAPUR-586103**

RE – ACCREDITED AT THE 'A' LEVEL
Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224
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Date: 01/07/2023.

DEPARTMENT OF ZOOLOGY

NOTICE

It is hereby informed to all the B. Sc II, IV & VI Semester (CBZ) students that, Department of zoology is conducting Class seminars from 01.07.2023. So, interested students can give their name with selected topic for seminars to concerned teachers.


Head of the Department
Department of Zoology,
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VIJAYAPUR.


IQAC, Co-ordinator
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
Principal,
S.B. Arts and KCP Science College
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DEPARTMENT OF ZOOLOGY

ACTIVITY: SEMINAR PRESENTATION

CLASS: B. Sc 4th Semester

LIST OF STUDENTS WITH TOPIC

YEAR - 2022/23

SL. NO	SEMESTER	ROLL NO	NAME OF STUDENT	TOPIC
1.	B. Sc IV Sem	U15KM21S0016	SAHANA SADASHIV HONAKAMBLE	RECOMBINANT DNA TYPES
2.	B. Sc IV Sem	U15KM21S0018	BHAGYASHREE S ANGADI	STEPS INVOLVED IN r-DNA TECH
3.	B. Sc IV Sem	U15KM21S0050	ANUSHREE BIRADAR	CHEMICAL METHODS OF GENE TRANSFER
4.	B. Sc IV Sem	U15KM21S0056	RENUKA MALI B	SCREENING OF RECOMBINANT DNA
5.	B. Sc IV Sem	U15KM21S0064	MANJUNATH B UPPAR	RESTRICTION ENZYMES
6.	B. Sc IV Sem	U15KM21S0070	VAISHNAVI POL	TRANSGENIC COW
7.	B. Sc IV Sem	U15KM21S0073	BHAGESH VITTAL DEVAKATE	TRANSGENIC FISH
8.	B. Sc IV Sem	U15KM21S0077	SAVITRI PARASHURAM MENDIGERI	CRYO PROTEINS
9.	B. Sc IV Sem	U15KM21S0078	VIVEKANAND P MENDIGERI	BACTERIAL DISEASES
10	B. Sc IV Sem	U15KM21S0079	ANUSHA PATIL	GENE KNOCKOUT MOUSE
11	B. Sc IV Sem	U15KM21S0087	MAHANTESH SHREESHAIL ZALAKI	RECOMBINANT DNA
12	B. Sc IV Sem	U15KM21S0088	ROHINI SOMALINGA KUMBARA	PRODUCTION OF HUMAN INSULIN
13	B. Sc IV Sem	U15KM21S0089	PAVITRA MENDEGAR	MONOCLONAL ANTIBODY SYNTHESIS
14	B. Sc IV Sem	U15KM21S0103	SUMA PODDAR	MONOCLONAL ANTIBODIES APPLICATIONS
15	B. Sc IV Sem	U15KM21S0106	PREMA LAXMAN KOTI	GENE SCID
16	B. Sc IV Sem	U15KM21S0109	SANIKA PRAKASH KADAM	BIO SENSOR
17	B. Sc IV Sem	U15KM21S0118	MEGHA KOODAGI	APPLICATIONS OF BIO SENSOR
18	B. Sc IV Sem	U15KM21S0121	SAGAR RAVATAPPA BHOSAGI	IMMUNITY AGAINST VIRUSES

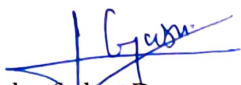


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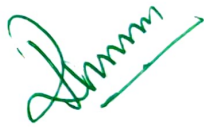
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19	B. Sc IV Sem	U15KM21S0122	ANKITA CHANDRAKANT POL	IMMUNITY AGAINST PROTOZOANS
20	B. Sc IV Sem	U15KM21S0125	VINAYAK SHESHADRI	
21	B. Sc IV Sem	U15KM21S0126	AKSHAYAKUMAR J KALABA	VACCINE USES
22	B. Sc IV Sem	U15KM21S0131	MANJUNATH M DHAVALAGI	ORGAN TRANSPLANTATION
23	B. Sc IV Sem	U15KM21S0139	NAFEESA BADRODDIN MULLA	IMMUNO SUPPRESSORS
24	B. Sc IV Sem	U15KM21S0140	ANKITA SALODAGI	DATA BASE SEQUENCES
25	B. Sc IV Sem	U15KM21S0145	PREMA SHREESHAIL MULAWAD	BLAST
26	B. Sc IV Sem	U15KM21S0164	SALEEM IMAMSAB MUJAWAR	FLAST
27	B. Sc IV Sem	U15KM21S0504	SHOBHA SANGAPPA KOKATANUR	ANTIGEN ANTIBODY APCS


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8	U15KM21S0035	LAXMI BIRADAR	L	L	L	L
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109	U15KM21S0566	ASHWINI GUDDODAGI				
110	U15KM21S0568	MANJUNATH				

111 U15NB21S0129 BHAVANI

112 U10AD21S0010 RADHIKA . S . p

113 U15A

114 U15J021S0061 Varsha . S . Dignid

114 U15J021S0061 Soumya . v . Kulkarni

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BHAGYASHREE ANGADI- STEPS INVOLVED IN r-DNA TECH



MANJUNATH UPPAR-RESTRICTION ENZYMES



VIJAYLAXMI- PLASMID pBR320



RENUKA- SCREENING OD RECOMBINANT DNA



MEGHA KUDAGI- APPLICATIONS OF BIOSENSOR



SANIKA KADAM- BIOSENSOR

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STUDENT SEMINAR

SEMINAR PRESENTED BY:

NAME OF STUDENT : RADHIKA . S. RATTAL

CLASS : B.SC IVth SEM

UUCMS NUMBER : UISKM2150350

SEMINAR TOPIC : HYBRIDOMA TECHNOLOGY

SEMINAR DATE : 07/07/2023

SUBMITTED TO :- DEPARTMENT OF
ZOOLOGY

INDEX

CONTENTS :

- * INTRODUCTION TO MONOCLONAL ANTIBODIES
- * PRODUCTION OF MONOCLONAL ANTIBODIES FROM HYBRIDOMA TECHNOLOGY
- * STEPS INVOLVED IN PRODUCTION OF MONOCLONAL ANTIBODIES
- * APPLICATIONS OF MONOCLONAL ANTIBODIES
- * CONCLUSION
- * SOURCE

HYBRIDOMA TECHNOLOGY : SYNTHESIS AND APPLICATIONS OF MONOCLONAL ANTIBODIES

INTRODUCTION:

Monoclonal Antibodies

Antibodies are glycoprotein synthesized in blood against specific antigens hurt to combat & give immunity. Such antibodies are heterogenous & are polyclonal antibodies. Therefore they do not have characteristics of specificity.

- If a specific lymphocyte after isolation & culture *in vitro* becomes capable of producing a single type of antibody which bears specificity against specific antigen, is known as monoclonal antibody.
- These monoclonal antibodies are derived from a single clone of cell which recognize only one kind of antigen.
- Monoclonal antibodies are produced against a variety of proteins, glycoproteins, glycolipids, nucleic acids & chemically defined groups linked to protein carriers.
- Hybridoma technology was discovered in 1975 by two scientists, Georges Kohler & Cesar Milstein.

Hybridoma technology for production of monoclonal antibodies

- Monoclonal antibodies are produced by hybridoma technology
- The term hybridoma is used to fused cells resulting due to fusion of following 2 types of cells - a lymphocyte & tumor cell.
- An antibody producing B-lymphocytes
eg: Spleen cell of mouse immunized with RBCs from sheep
- A single myeloma cell (eg. Bone marrow tumor cell) that can adopted to grow for infinite time in culture.
- The fused product derived the ability of two different types of cells. i.e. Ability to produce large amount of pure antibodies as lymphocytes & ability to grow or multiply indefinitely like tumor cell.

Steps in production of Monoclonal Antibodies

Step 1: Immunization of Rabbit or rat & Extraction of B lymphocytes

- * In order to isolate B-lymphocyte producing certain antibodies, rat is immunized through repeated injection of specific antigen
- * A sample of B-cells is extracted from spleen of rat

step 2 : Fusion of myeloma cell with B-lymphocytes

- * The extracted B-lymphocytes is added to a culture of myeloma cell from bone marrow
- * The injected result is the formation of hybridoma cells formed by fusion of B-cell & myeloma cell
- * The fusion is done by using Polyethylene glycol (PEG) or by electrophoration or by using phages.

step 3 : Selection of hybridoma cell

- * The B-lymphocytes contains HPRT1 gene which codes for enzyme Hypoxanthine guanine phospho-ribosyltransferase (HGPRT). The enzyme HGPRT involved in synthesis of nucleotides from Hypoxanthin present in culture medium containing Hypoxanthin aminopterin thymine (HAT media)
- * But myeloma cell lack HPRT1 gene so, it does not produce HGPRT enzyme & it does not grow in HAT medium
- * The myeloma cell fused with another myeloma cell or those do not fused at all die in HAT medium since they do not utilize Hypoxanthine
- * Similarly, B cell that fuse with another B-cell or those do not fuse at all die eventually because they do not have capacity to divide indefinitely.
- * So, only hybridoma cell fused cell between myeloma & B cell can survive & divide in HAT medium
- * Screening is done to select hybridoma cell which are the desired cell for monoclonal antibodies production.

Step 4: Culture of Hybridoma cells

- * The selected hybridoma cells are cultured in suitable culture medium, often supplemented with insulin, transferrin, Ethanol, amine & other additional hormones.

Step 5: Inoculation of hybridoma cell into Suitable host

- * These hybridoma cells are then injected into lab animal so that they start to produce monoclonal antibodies.
- * These hybridoma cells may be frozen & store for future use.

Step 6: Extraction & Purification of Monoclonal antibodies

- * Monoclonal antibodies are extracted from host animal & purified by the methods; Ion exchange, Antigen affinity chromatography.

Applications of Monoclonal Antibodies

- 1) Serological: Identification of ABO Blood group
- 2) Diagnostic Testing :- toxins, drugs / hormones
- 3) Pregnancy Testing
- 4) Viral Disease Treatment
- 5) Identifying Pathogens
- 6) Tracing specific cells & Their function.
- 7) Therapy : Removal of tumor cell from bone marrow
- 8) Treatment of cancer through Drugs
- 9) Rhesus disease Immunisation
- 10) Radioimmuno detection & Radioimmunotherapy of cancer.

CONCLUSION :-

Presently, the monoclonal antibodies used are either raised in mice or rats; this poses a risk of disease transfer from mice to humans. There is no guarantee that antibodies thus created are entirely virus free, despite the purification process. Also, there are some immunogenic responses observed against the antibodies of mice origin. Technologically advanced techniques such as genetic engineering helped in reducing some of these limitations. Advanced methods are under development to make lab produced monoclonal antibodies as human as possible. This review discusses the advantages & challenges associated with monoclonal antibody production, also enlightens the advancement, clinical significance, & future aspects of this technique.

SOURCE :- J Genet Eng Biotechol, 2021 Dec 19;159
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