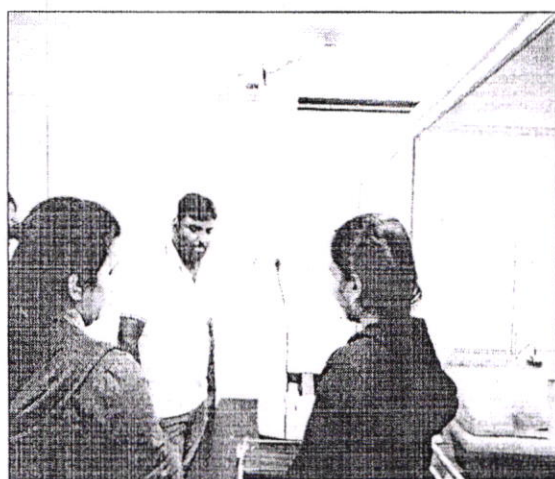
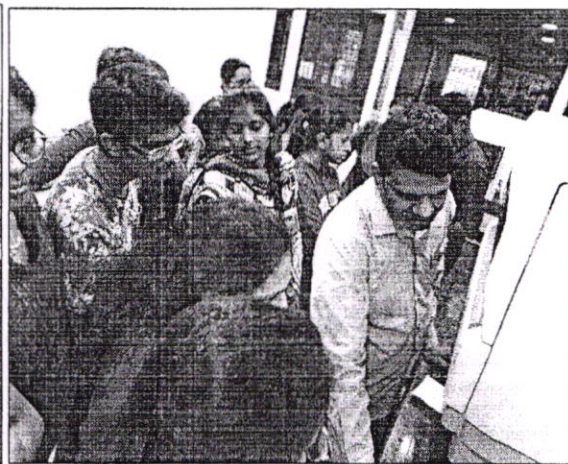
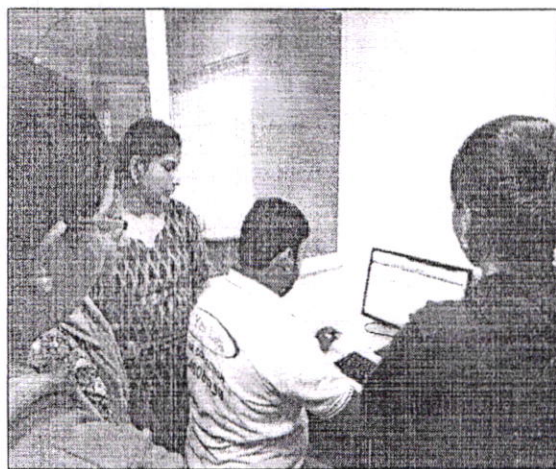


2018-19
①

Report on
Field Visit to Yes Labs, Kapra, Sainikpuri, Secunderabad.

16-01-2019

The Students of M.Sc Biochemistry 2nd year and students of B.Sc SEC (Medical Diagnostics) course were taken for a visit to Yes Labs at Gandhi Nagar, Kapra, Sainikpuri. Secunderabad on 16-01-2019. They were shown various instruments with high automation for estimating complete blood picture, electrolytes, glycosylated hemoglobin. and also for routine biochemical parameters and hormone assays including parathyroid hormone (PTH). The trip gave the students an awareness about the level of sophistication with respect to automation in present day diagnostics. They also understood how maximum number of samples can be analysed with minimum human intervention in a short time span.



A. Lai Vadi
Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500 084

LIST OF STUDENTS OF M.SC BIOCHEMISTRY (SEM IV) and B.Sc (SEC) TO VISIT YES LABS, GANDHI
NAGAR, KAPRA, SECUNDERABAD

ROLLNO	NAME
107217514001	NIHARIKA SHARMA
107217514002	PALLERLA OMKAR
107217514003	KOTTAKAPU HARIPRIYA
107217514004	CHOUTI HIMANTHA
107217514006	A ANUSHA
107217514007	I HONEY
107217514009	G SWARUPA
107217514010	JUTTU GUNA PRIYA
107217514011	MOUNICA CHALLALA
107217514012	ADDELLI MOUNIKA
107217514014	MADHIKUNTA SRAVANI
107217514015	KOTTAM GEETHA LAKSHMI
107217514016	SNIGDHA MUNIPALLE
107217514017	PRIYANKA BUDARAYAVALLASA
107217514018	NIKITA SHARMA
107217514019	AISHWARYA SRIRAM
107217514020	PRIYANKA
107217514021	JADHAV SHRAVANI

S.No	Roll no	Name of the student
MGC1	107217459001	Ashwani
2	107217459005	G.Sushma
3	107217459007	M.Harini
4	107217459008	P.Harini
5	107217459011	G.ketana
6	107217459012	M.Manasa
7	107217459022	Shiva Nagi Re
8	107217459023	Simphy
9	107217459025	Tanushree
10	107217459026	TejoRajitha
11	107217459027	Anjali.R
12	107217459030	Angelina
13	107217459031	Karunya Rajar
14	107217459034	Nitish
15	107217459041	Tarannum
BtGC16	107217573006	Harshvardhar
17	107217573011	Prajwala
18	107217573012	Prasoon
19	107217573032	Monica Septa
20	107217573040	Tejaswini Cha
21	107217573041	Yogita Shukla
22	107217573050	Vaishnavi
MBiC 23	107217471001	Aparna
24	107217471007	Anoosha
25	107217471009	Manasa
26	107217471035	Meghana Prakash
27	107217471038	Pavan

2018-19

②

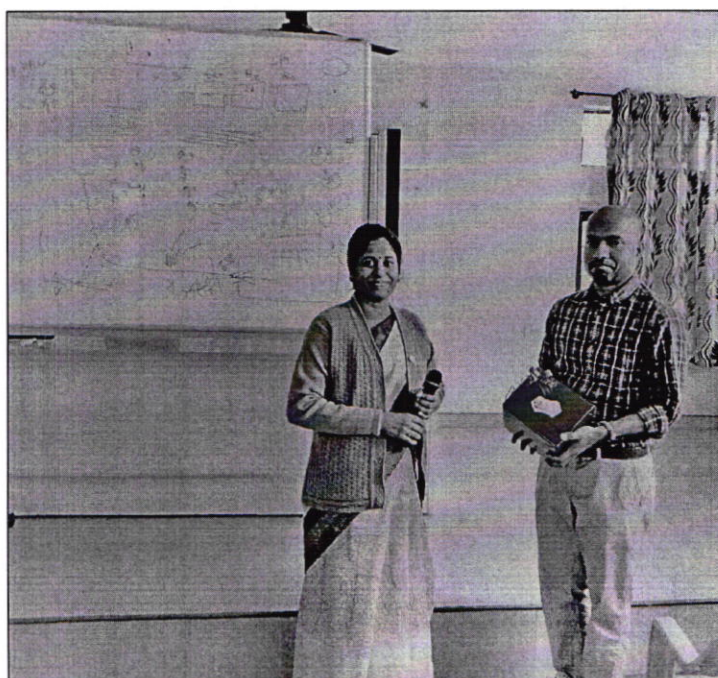
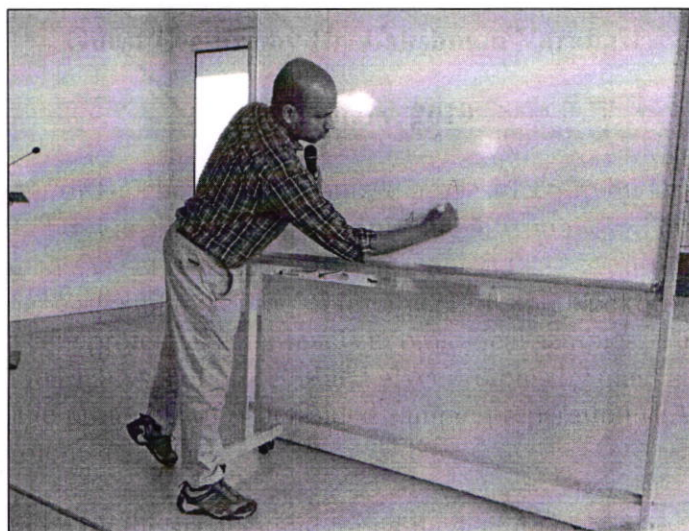
Department of Biochemistry

Guest Lecture by Dr. Lakshman Varanasi

28th January, 2019

The department of Biochemistry organized a guest lecture by Dr. Lakshman Varanasi on 28th January, 2019. Dr. Lakshman is an alumni student who passed out from the first batch of MBiC (2002). He has a vast research experience abroad and is currently working as Chief Adviser, Biomedicine, Srikaalika Technologies Pvt. Ltd. He spoke on Mass spectrometry comes of age: Measuring protein analyte levels in biological samples. He explained about the preparation of serum for analysis of proteins and glycoproteins by mass spectrometry. He also gave an insight into the protocols of Filter-aided sample preparation (FASP) and Solid-phase extraction of glycoproteins (SPEG).

The students interacted with the speaker and found the lecture to be very informative.



3

Activity (2018-19)
B.Sc II year M.Bi.C
Crossword puzzle and Match the following

Name of the students: Aparna. 21.
Roll no: 107217471001
Date: 21/01/2019.

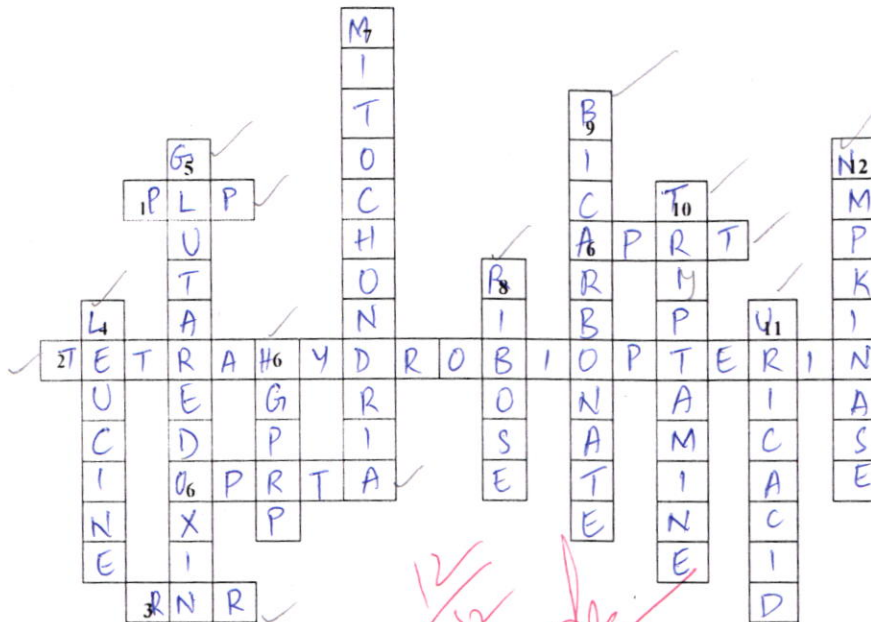
Match the following		Answer
1. Biological Nitrogen Fixation	Bilirubin	10. ✓
2. Glutamate dehydrogenase	Aspartate	8. ✓
3. Purine first intermediate	Creatine	9. ✓
4. Gout	IMP	3. ✓
5. Folate antagonist	Phenylalanine	7. ✓
6. Pyruvate	Mitochondria	2. ✓
7. Acetoacetate	Thymine	12. ✓
8. C4, C5, C6 & N1 (pyrimidine)	Nitrogenase	1. ✓
9. Liver, Kidney, Muscle	Heme	11. ✓
10. Pigment	Glycine	6. ✓
11. Four porphobilinogen	DHFR	5. ✓
12. Deoxy Ribonucleic Acid	Allopurinol	4. ✓

12 / 12



Activity (2018-19)
B.Sc II year M.Bi.C
Crossword puzzle and Match the following

Name of the students: Aparna.21
 Roll no: 107217471001
 Date: 21/01/2019



1. Coenzyme for transamination
2. Coenzyme for phenylalanine hydroxylase
3. NDP → dNDP
4. Ketogenic amino acid
5. NADPH donor for RNR
6. Salvage enzymes
7. Location of Urea cycle
8. Sugar in RNA
9. Carbon atom donor for urea
10. Decarboxylated product of tryptophan
11. End product of purine degradation
12. NMP to NDP enzyme

12/12

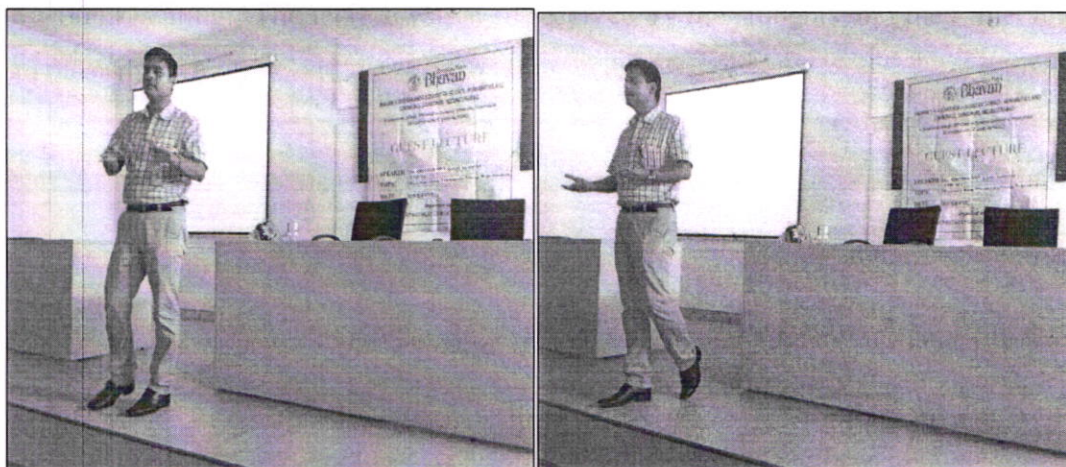
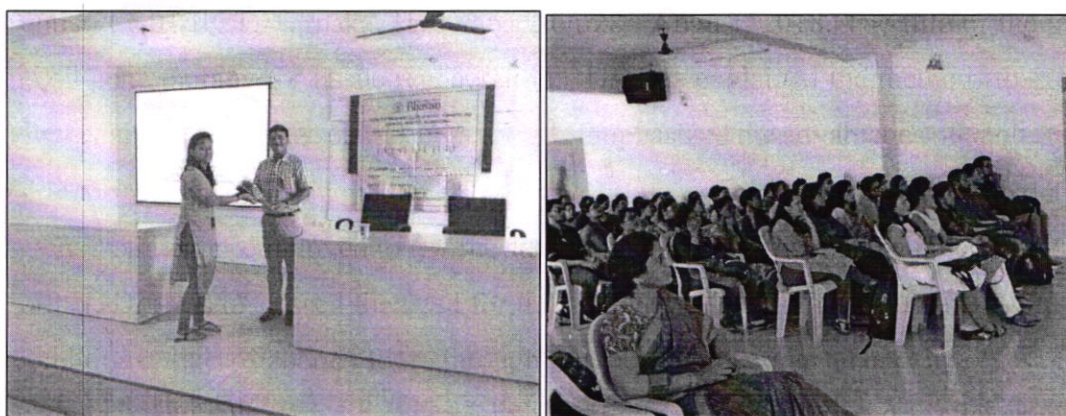
[Signature]

Department of Biochemistry

Guest lecture by Dr. Amitava Das

28th August, 2018

The Department of Biochemistry had organised a guest lecture by Dr. Amitava Das, Senior scientist, CSIR-IICT, Tarnaka, Hyderabad, on 28th August, 2018. The title of the talk was “stem cell gene therapy for tissue regeneration”. Dr. Das explained the methods to grow stem cells in the laboratory for tissue regeneration. He emphasized the advantages of adult stem cells over embryonic stem cells and induced pluripotent stem cells. He also explained in detail the experimental strategies employed to use the stem cells in diabetic wound healing in mouse models. Further, Dr. Das discussed the need for translational research that would be useful in treating conditions like diabetic foot through tissue engineering. This involves the immobilisation of stem cells onto a biocompatible scaffold which can be used for therapeutic purpose in wound healing. The lecture was well received by the students and they interacted with him to clear their doubts.



**Report on Educational trip
13th to 18th December, 2018
Department of Life Sciences**

An educational trip to Bengaluru, Mysuru & Coorg was organized for the final year BSc Life Sciences students by the faculty of Life Sciences. A total of 52 students from three sections (M.G.C, Bt.G.C and M.Bi.C) went for the trip which included 32 girls and 20 boys along with three faculty members Mrs. S. Vanitha, Dr. Y Suresh and Ms. Prity Mishra. The trip was scheduled from 13th December, 2018 to 18th December, 2018.

Day 1 (14th December, 2018) was at Bengaluru, where the students and faculty visited University of Agriculture-Gandhi Krushi Vignana Kendra (GKVK) campus. It's a 2100 acres campus. Dr. Srinivasa Reddy, Department of Entomology guided to all the departments. First, students and faculty visited Department of Plant Biotechnology where students were exposed to recent technology that are being used to create transgenic plants which are resistant to drought and late blight disease in potato and also to develop virus resistant papaya and tomato with delayed fruit ripening. They made students aware about the training and guidance given to farmers in implementing new farming strategies'. The students were taken to Dr. Anita Peter's lab where students had the opportunity to see sophisticated equipment's like Real time PCR, biolistics, and other instruments. Dr. Shashidhar, from the department of Plant Biotechnology explained about his work on Aerobic Rice and their application in future. The visit has gone to horticulture department which had a Plant tissue culture lab equipped with horizontal autoclave, laminar air flow etc. It was a good opportunity and experience for the students to see the banana saplings cultured and maintained in a sterile humid environment. Dr. Venkatesha Murthy and Mrs. Roshini showed banana and various plant invitro culturing of callus, stem, and spore saplings. The most excited department was entomology where Dr. Srinivasa Reddy and his student explained about how to collect, process and preserve the insects. They had an amazing collection of nearly 5 lakh species of insects collected from different parts of India. Their collection includes from smallest to the largest insect. After lunch, students and faculty visited department of Genetics and Plant breeding, where Dr. Sakuntala gave a brief insight about the work related to plant breeding especially on common pulses, how to apply Mendelian principles, phenotype and genotype characterization of the F₁ and F₂ generation. It was more of an interactive session. The day was educative and completed by visiting to Iskon temple.

Day 2, on 15th December, 2018, students and faculty had a taste of history with a panoramic view of Mysuru palace followed by excitement at Coorg adventurous park with fun games.

Day 3, Third day (16th December, 2018), early morning students and faculty had forty five minutes of thrill by going on a jeep safari to Mandalpatti Hill view to capture the sight of sunrise. The excitement and joy of driving through the thick forest cover on a ghat wayside continued to our next place that was Abbey water falls which was surrounded by many coffee plantations and also variety of spicy plants like cardamom, Black Pepper, Bay leaf and cocoa trees. Travelling through the windy, lush greenery brought fresh cool air led us to the holy place Talakaveri, the birth place of the river Cauvery and Triveni Sangama (Holy confluence brings Kaveri, Kannike and Sujyoti river together). The day ended by visiting to Raja's seat to view the sunset.

U. Sai Reddy
Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500 094

**List of Students for educational trip
13th to 18th December, 2018**

S.NO	ROLL NO	STUDENT NAME
B.Sc III year M.Bi.C		
1	107247116007	B. Naveen Abhilash
2	107247116008	B. Reshwanth
3	107247116011	Sachin
4	107247116014	K. Himabindu
5	107247116023	R. Lalithambika
6	107247116027	V. Swarna Rani
7	107247116030	E. Manisha
8	107247116033	Komal Kumari
9	107247116034	Manisha Pandey
10	107247116035	Nisha Chowdhary
11	107247116045	M. Srikar
12	107247116046	Kumayl Alikhan
13	107247116049	Prabhuta Tiwari
14	107247116051	M. Sai Pravallika
15	107247116053	T. Sai Preethi
B.Sc III year Bt.G.C		
16	107257316005	B. Kalyan Goud
17	107257316006	B. Manideep
18	107257316007	Ch. Uday Kiran
19	107257316008	Ch. Rushikesh
20	107257316010	D. Sai Pratyusha
21	107257316011	GV. Kameshwari
22	107257316014	G. Venkat Ramana
23	107257316023	T. Shridhar Reddy
24	107257316027	P. Rishi
25	107257316029	S. Nagarjuna
26	107257316030	Shazia
27	107257316031	T. Sumanth
28	107257316033	Akanksha Singh
29	107257316034	Firoz Alam
30	107257316037	G. Sowmya
31	107257316039	P. Venkat Sai
32	107257316041	R. Prashanth Sai
33	107257316042	Rishu Panwar
34	107257316047	Lavanya Srikanth
35	107257316048	Poojitha Karchalkar
36	107257316051	K. Sri Durga
37	107257316056	Nithin Bairu
B.Sc III year M.G.C		
38	107245916004	B. Manisha
39	107245916012	K. Anusha
40	107245916021	Beula Parre
41	107245916023	R. Shravani
42	107245916024	R. Vandana
43	107245916028	T. Sree Sesha
44	107245916030	G. Sai Krishna
45	107245916032	K. Jhansi
46	107245916037	P. Sailaja
47	107245916039	Rahul Pradhan
48	107245916041	YK. Vandana
49	107245916044	Nikitha Sree
50	107245916045	J. Sujitha
51	107245916049	N. Aishwarya Goud
52	107245916050	YS. Yashaswee

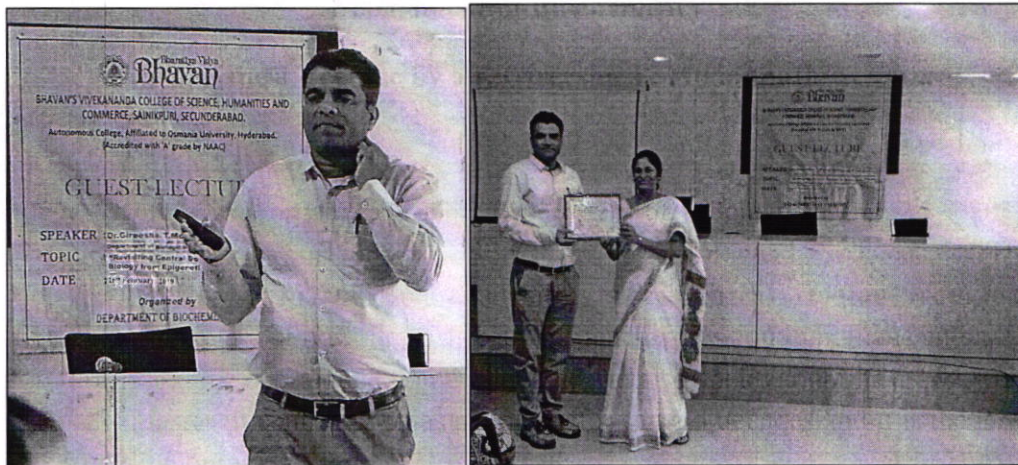
Department of Biochemistry

Guest Lecture by Dr. Gireesha T. Mohannath

16-2-2019

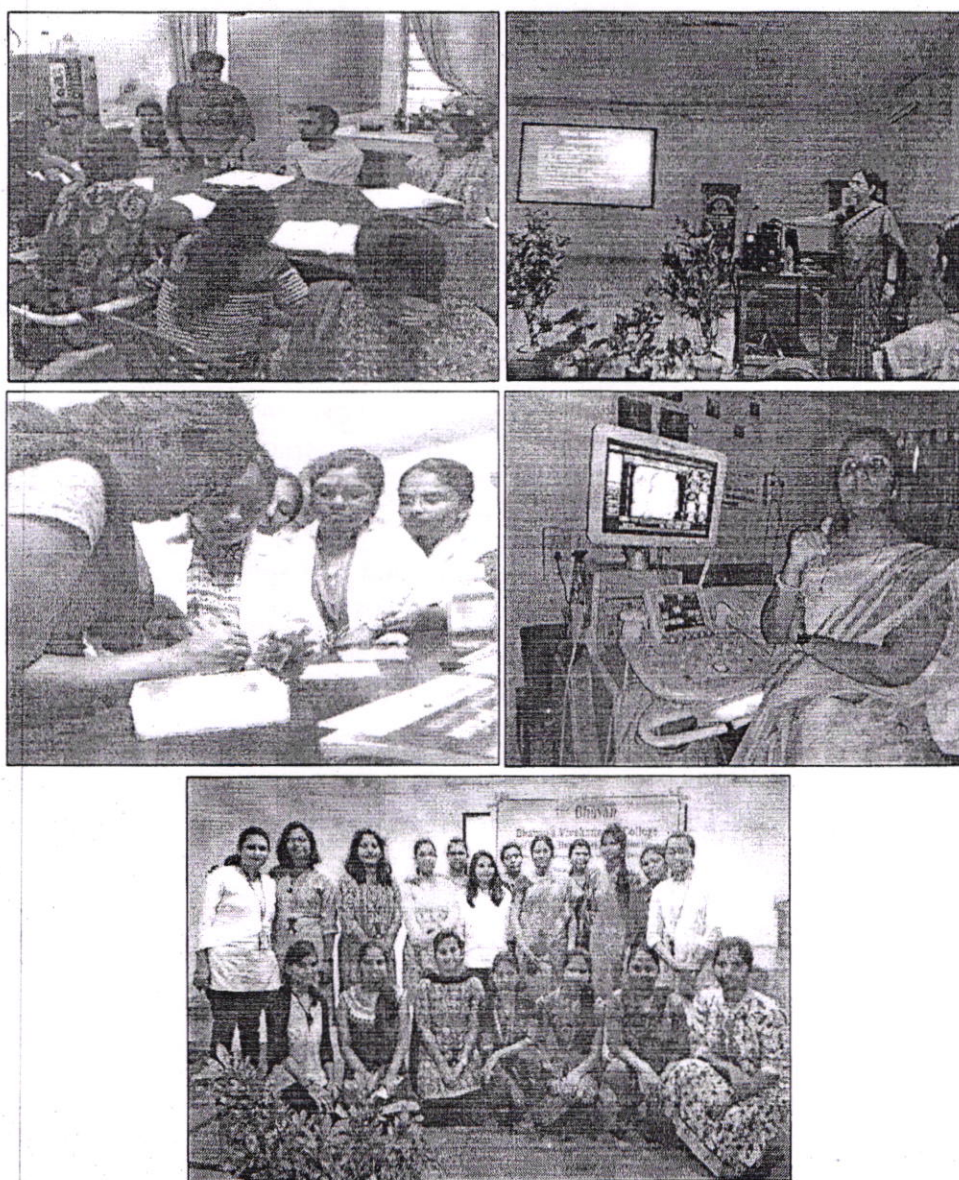
A guest lecture was organized by the department of Biochemistry on 16-2-2019 by Dr. Gireesha T. Mohannath, Assistant Professor, Dept of Biological Sciences, BITS Pilani, Hyderabad. He delivered his talk on **“Revisiting the Central Dogma from epigenetic perspective.”** He spoke about how stress affects the gene expression in humans and animals and how that in turn leads to a shortened telomere length. He also spoke about how DNA is now not considered as the master of central dogma as thought for several decades and it is the RNA which rewrites the Central Dogma.

Student interacted with the speaker and cleared their doubts.



**Report on
Value Added Course
"GENETIC DIAGNOSTIC METHODS AND COUNSELLING"
15th – 20th September, 2018**

The students of final year M.Sc Biochemistry attended a Value Added Course from 15th to 20th of September, 2018 at Institute of Genetics, Begumpet, Hyderabad. Students had the opportunity to learn about TIFFA scanning for identifying any genetic abnormalities in the foetus. They were also shown how HPLC is used for the detection of thalassemia. They had hands-on-experience in performing ELISA and Comet assay (single - cell gel electrophoresis). Students were given exposure on cytogenetics aspect of karyotyping on chromosomal abnormalities of various genetic syndromes. They were explained in detail about Genetic counselling and its importance for individuals and families who are at risk of genetic defects. Overall, the students had a good experience in learning different experiments related to genetic disorders.



A - Sai Pad



Bhavan's Vivekananda College
of Science, Humanities & Commerce
Sainikpuri, Secunderabad – 500094
Autonomous College - Affiliated to Osmania University

List of M.Sc Biochemistry students attending value added course from 17th to 20th September, 2018
at Institute of Genetics, OU, Begumpet, Hyderabad

S.No	Name
1.	NIHARIKA SHARMA
2.	PALLERLA OMKAR
3.	KOTTAKAPU HARIPRIYA
4.	CHOUTI HIMANTHA
5.	A ANUSHA
6.	INAPARTHY HONEY
7.	G SWARUPA
8.	JUTTU GUNA PRIYA
9.	CHALLALA MOUNICA
10.	ADDELLI MOUNIKA
11.	MADHIKUNTA SRAVANI
12.	KOTTAM GEETHA LAKSHMI
13.	MUNIPALLE SNIGDHA
14.	PRIYANKA B
15.	NIKITA SHARMA
16.	SRIRAM AISHWARYA
17.	PRIYANKA
18.	JADAV SHRAVANI
19.	R. MOUNICA

A. Lav Jada

Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500094

Students participation in Literature Based poster from MSc Biochemistry

Two Day Naional Seminar On Innovations In Nanobiotechnology

S.No	Names	Poster no	Poster title	Class
1	LELLA GAYATRI	1	Antimicrobial activity of Nanoparticles synthesized from Curcumin (Turmeric)	M.Sc I year
2	SOWMYA JAI KUMAR SREEJA			M.Sc I year
3	JAVVAJI THIRUMALA			M.Sc I year
4	PARAMESHWARI BANOTH			M.Sc I year
5	O VAISHNAVI	2	Efficacy of Nano Zinc fertilizer on crop growth	M.Sc I year
6	GOWRARAM BHAVYA HARIKA			M.Sc I year
7	SHAISTA NAGHMA			M.Sc I year
8	B KAVIYA PURNIMA			M.Sc I year
9	SREEKAR VATTEM	3	Nanotechnology in Ayurveda, Rasa Sastra	M.Sc I year
10	MUDIGONDA CHANDANA			M.Sc I year
11	RAAGI SHIVANI			M.Sc I year
12	RACHAKONDA SAITEJA			M.Sc I year
13	K RAMA KRISHNA	4	Nanorobotics: The future of Medicine	M.Sc I year
14	SUCHARITA NANDY			M.Sc I year
15	SADURGAM VAIJAYANTHI			M.Sc I year
16	RAPARTHI SUBASH CHANDRA BOSE			M.Sc I year
17	PATURI VENKATA ATREYA SAI	5	Tissue Nanotransfection	M.Sc I year
18	KURUVA RAMASAI			M.Sc I year
19	VADTHIYA KALYAN			M.Sc I year
20	K L GOWRI AISHWARIYA			M.Sc I year
21	SANDHE PUSHPA			M.Sc I year
22	M ROHIT KUMAR	6	Nanoparticles and the applications in Drug Delivery	M.Sc I year
23	V VAISHNAVI			M.Sc I year
24	INTURU SAI TEJASWINI			M.Sc I year

25	MALA RAVI KUMAR			M.Sc I year
26	MOHAMMED JUWERIYA TAHSEEN	7	Nanomedicine for Degenerative Disease (Multiple Sclerosis)	M.Sc I year
27	PORIKA RAHUL NAIK			M.Sc I year
28	METTU SURAJ			M.Sc I year
29	ABBARAJU LAKSHMI PAVANI			M.Sc I year
30	V SAI CHANDANA			M.Sc I year
31	CH DURGA SATYA DEEPTHI	8	Applications of Nanotechnology in Food processing and Packaging	M.Sc I year
32	POTURU SREE VYSHNAVI			M.Sc I year
33	ADIRAJU SURYA LALITHA			M.Sc I year
34	D NAGA JYOTHI			M.Sc I year
35	JADALA NAGAJYOTHI			M.Sc I year

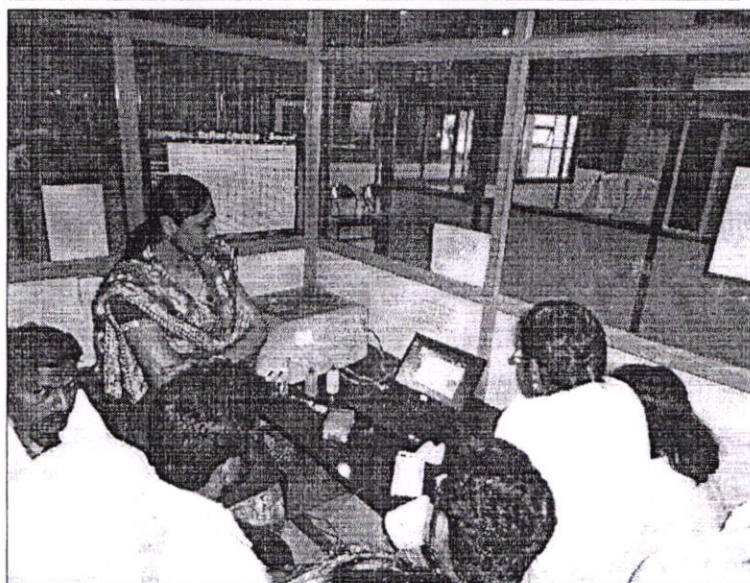
Report on "Flow Cytometry and its Applications"

23rd to 25th, January, 2019

2018-19
9

The Department of Biochemistry has organized a workshop on "Flow Cytometry and its Applications" for M. Sc Biochemistry first year students in collaboration with CFRD (Central Facilities for Research and Development), Osmania University, Hyderabad from 23rd to 25th, January, 2019. The workshop started with an introductory lecture on lasers and fluorescence by Mr. Anil followed by Ms. Sumathi explaining about the principle, instrumentation and applications of Flow cytometry. On second day students and faculty were briefed about apoptotic staining, sample preparation, its assay, immunotyping of samples and acquisition of samples. On the last day, students and faculty were explained about preparation of cell cycle samples and how to interpret the data and analyse it. The last session was on the do's and don'ts during the sample analysis.

This workshop has enriched the students about working of the flow cytometry and its applications in cell study.



Head, Dr. Sai Pad

List of Students for Flow Cytometry Workshop Bhavan's Vivekananda College

1.	ABBARAJU LAKSHMI PAVANI
2.	ADIRAJU SURYA LALITHA
3.	CH DURGA SATYA DEEPTHI
4.	GOWRARAM BHAVYA HARIKA
5.	JAVVAJI THIRUMALA
6.	K L GOURI AISHWARYA
7.	K RAMA KRISHNA
8.	KURUVA RAMASAI
9.	METTU SURAJ
10.	MOHAMMED JUWERIYA TAHSEEN
11.	MUDIGONDA CHANDANA
12.	PATURI VENKATA ATREYA SAI
13.	RAAGI SHIVANI
14.	RACHAKONDA SAITEJA
15.	SADURGAM VAIJAYANTHI
16.	SANDHE PUSHPA
17.	SHAISTA NAGHMA
18.	SOWMYA JAI KUMAR SREEJA
19.	SREEKAR VATTEM
20.	V VAISHNAVI

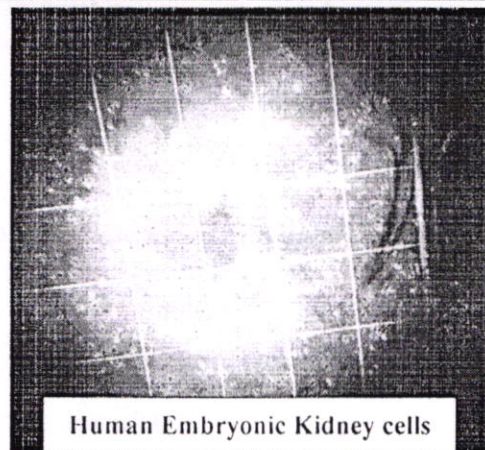
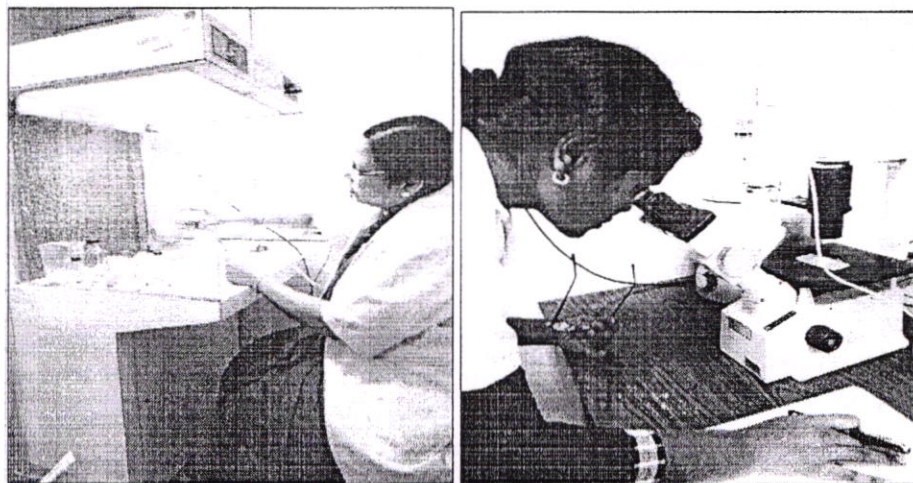
A. Sai Pad

Head, Dept. of Biochemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500 094

Report on Training course on "Animal Cell Culture methods" at CCMB

12th February, 2019

Students of M.Sc Biochemistry have attended a training program conducted by Centre for Cellular and Molecular Biology (CCMB) on "Demonstration of Animal Cell Culture Methods" on 12th February, 2019. They have observed the steps in preparation of culture media and its sterilization, cell culture methods, freezing and revival of cells, staining and counting of cells in a counting chamber. Students had a good opportunity to learn and get exposed to various practical aspects of cell culture methods.



Human Embryonic Kidney cells

A. Sai Pad

Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda Colleg.
Sainikpuri, Secunderabad-500 094



Bharatiya Vidya Bhavan

(Founded in 1938 by Kulapati Dr. K.M. Munshi)

Bhavan's Vivekananda College of Science, Humanities & Commerce

SAINIKPURI, SECUNDERABAD - 500 094. Ph : 27111611, 27115878

(AFFILIATED TO OSMANIA UNIVERSITY)

To.

Date :

Dr. Archana B Siva PhD
Principal Scientist & Head, BDG & HRDG
Business Development Cell,
Innovation Hub, Medical Biotechnology Complex,
CCMB Annexe II,
Uppal Road,
Hyderabad-500039,
Telangana.

4th February, 2019

Madam,

Sub: Half day demonstration of cell culture methods

Ref: Your e mail dated 2nd February, 2019

Please find enclosed the DD (No. 815013 dated 22/1/2019) for an amount of Rs 5000/- (Rs 500/-per head for 10 students) towards fee for half a day demonstration of animal cell culture methods. I am also enclosing the details of students who will be attending the program.

A. Name of students in the morning session

1. M. Snigdha
2. B. Priyanka
3. Nikita Sharma
4. Aishwarya Sriram
5. Priyanka

B. Names of students in the afternoon session

1. J. Shravani
2. Niharika Sharma
3. R. Mounica
4. M. Shravani
5. Ch. Himantha

Thanking you,
Yours sincerely,

(Dr. A. Sai Padma)

Head, Dept of Biochemistry

**Report on
Visit to Hyderabad Central University, Gachibowli, Hyderabad.**

The final year students of M.Sc Biochemistry were taken to Hyderabad Central University, School of Life Sciences for an educational trip on 18th December, 2018. Students were taken to Genomics, Proteomics and Metabolomics labs and were explained about the working of various instruments and their applications in the field of biology. The instruments explained were PCR, Real time PCR, MALDI-TOF, Microarray instrument, 2D PAGE, Surface plasmon resonance and GC-MS. Later they were taken to nanotechnology centre and were explained the working principles of various microscopy techniques that included FACS (fluorescent activated cell sorter) and Confocal microscope. At the end of visit they were taken to BioNest incubation centre and were given a detailed explanation on the various facilities available to test the generated ideas for startups.

The visit to HCU was highly informative and educative to the students who had got the opportunity to view the working of sophisticated instruments that are being used routinely in labs for various research activities. Overall the trip was a great learning experience for students.



U. Sai Jyoti
Head, Dept. of Biochemistry

List of students fo M.Sc(Biochemistry) Sem IV

NIHARIKA SHARMA
PALLERLA OMKAR
KOTTAKAPU HARIPRIYA
CHOUTI HIMANTHA
A ANUSHA
INAPARTHY HONEY
G SWARUPA
JUTTU GUNA PRIYA
CHALLALA MOUNICA
ADDELLI MOUNIKA
MADHIKUNTA SRAVANI
KOTTAM GEETHA LAKSHMI
MUNIPALLE SNIGDHA
PRIYANKA BUDARAYAVALASA
NIKITA SHARMA
SRIRAM AISHWARYA
PRIYANKA
JADAV SHRAVANI
RAM MOUNIKA

Accompanying faculty members

Dr.A.Sai Padma, Head, Department of Biochemistry,BVC

Dr.S.Padma, Department of Biochemistry, BVC

2018-19
12

Report on
Visit to MSN Labs Pvt Ltd, Formulation Unit
Bollaram, Hyderabad

28th January, 2019

Students of M.Sc Biochemistry 2nd year were taken for an industrial visit to MSN Labs, Industrial Estate, Bollaram, Hyderabad on 28th Jan, 2019. They were shown the analytical chemistry labs and were explained about the working of HPLC, GC, IR spectrophotometer for identifying the raw materials. They were also shown other instruments like total organic content analyser, tablet density apparatus etc. They were explained about the stability studies of the drugs at various temperatures. Students were briefed about labelling and packing of injectables, orals and capsules.

The staff explained about all the instruments in detail and the students found the visit very useful.



U. Sai Jada
Head, Dept. of Bio-Chemistry
Bhavan's Vivekananda College
Sainikpuri, Secunderabad-500 084

List of students for visit to MSN labs, IDA, Bollaram, Hyderabad.

S.No	ROLLNO	NAME
1.	107217514001	NIHARIKA SHARMA
2.	107217514002	PALLERLA OMKAR
3.	107217514003	KOTTAKAPU HARIPRIYA
4.	107217514004	CHOUTI HIMANTHA
5.	107217514006	A ANUSHA
6.	107217514007	I HONEY
7.	107217514009	G SWARUPA
8.	107217514010	JUTTU GUNA PRIYA
9.	107217514011	MOUNICA CHALLALA
10	107217514012	ADDELLI MOUNIKA
11	107217514014	MADHIKUNTA SRAVANI
12	107217514015	KOTTAM GEETHA LAKSHMI
13	107217514016	SNIGDHA MUNIPALLE
14	107217514017	PRIYANKA BUDARAYAVALLASA
15	107217514018	NIKITA SHARMA
16	107217514019	AISHWARYA SRIRAM
17	107217514020	PRIYANKA
18	107217514021	JADHAV SHRAVANI
19	107251416011	R. Mounika

(13)

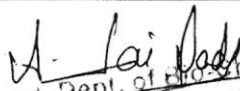
STUDENT SEMINARS (M.Sc) 2018-19

S.NO	Name of the student	SEM	TOPIC	Reference
1	Niharika Sharma	IV	Extraction of essential oil from <i>Murraya koengii</i> leaves: potential for application as natural –based insect repellent	Jamil <i>et al</i> (2016) ARPN journal of engineering and applied sciences VOL 11, No 4 p2248-
2	Pallerla Omkar	IV	Phytochemical analysis of <i>Catharanthus roseus</i> plant extract and its microbial activity	Kabesh <i>et al</i> (2015) Intl.J. Pure & Appl.Sci.392) 162-172
3	Kottakapu Haripriya	IV	An experimental study on the effect of isoniazid on the efficacy, plasma concentration and toxicity of paracetamol in Albino rats	Navdeep <i>et al</i> (2014) Intl J Basic and clinical pharmacology Vol 3 issue 5p 807
4	Chouti Himantha	IV	High sensitivity cardiac troponin T increases after stress echocardiography	Samaha. E <i>et al</i> (2019) Clinical Biochemistry vol 63 p 18-23
5	A Anusha	IV	Antenatal detection of hemoglobinopathies using red blood cells indices for screening	Sukanya Singh <i>et al</i> (2018) Indian J Med Biochem, P100
6	I Honey	IV	The influence of retailing packaging on tomato quality	Zewdie.T.Mekonnen (2017)J.Nutr.Food.Sci, 7:3
7	G Swarupa	IV	Effect of green tea consumption on RBC morphology, membrane properties and antioxidant status in chronic cigarette smokers	Shakeela Begum <i>et al</i> (2018) Ind J Biochem Biophys, Vol55 p256-263
8	Juttu Guna Priya	IV	Isolation and characterization of diamine oxidase enzyme from Mung Bean sprouts	Abdul Karim <i>et al</i> (2015)Am.J.Biomed and Life Sciences, 3(1) 7-11
9	Mounica Challala	IV	Role of superoxide dismutases (SODs) in controlling oxidative stress in plants	Ruth Grene Alscher <i>et al</i> (2002) J.Exptl Botany, Vol53, No372, p1331-1341
10	Addelli Mounika	IV	Production of natural insecticide from Neem leaves(<i>Azadirachta indica</i>)	Kwasi Opoku Boadu <i>et al</i> (2011) Asian J of Plant Science and Research,1(4):33-38
11	Madhikunta Sravani	IV	Phytochemical, proximate composition, amino acid profile and characterization of marijuana	B.S.Audu <i>et al</i> (2014) The J Phytopharmacology 3(1):35-43
12	Kottam Geetha Lakshmi	IV	A comparative biochemical study on the non diabetic obese and non obese subjects with cardiovascular diseases	Prasad Naidu <i>et al</i> (2013)Int J Res Med Sci Nov 1(4):515-522
13	Snigdha Munipalle	IV	Light regulation of nitrate reductase gene expression and enzyme activity in the leaves of mulberry.	Arora V <i>et al</i> (2018)Ind J Biochem.Biophys Vol 55 p62-66
14	Priyanka Budarayavalasa	IV	Isolation, purification and characterization of proteases from vegetable waste	Rajathi <i>et al</i> (2011) Intl.J Institutional pharmacy and life sciences 1(2)
15	Nikita Sharma	IV	Anticancer efficacy of methanolic extracts of some medicinal plants from Jammu region, Jammu&Kashmir. India	Arvind.B <i>et al</i> (2016) Indian J Biochem & Biophys Vol53p51-56

A. Sai Jadhav

STUDENT SEMINARS (M.Sc) 2018-19

S.NO	Name of the student	SEM	TOPIC	Reference
16	Aishwarya Sriram	IV	Industrial brewing yeast engineered for the production of primary flavor determinants in hopped beer	Charles <i>et al</i> (2018) Nature communications ,9,
17	Priyanka	IV	Isolation and characterization protease enzyme from leguminous seeds	Akhtaruzzmann <i>etal</i> (2012) Agriculture Science Research Journals Vol 2(8)p434-440
18	Jadhav Shravani	IV	Cucurbita pepo seed powder reduce the turbidity of river water	Yunusa <i>et al</i> (2017) 5(2):10-14
19	R.Mounika	IV	Biodegradation of reactive orange16(RO-16) dye in packed bed bioreactor using seeds of Asoka and casuarina	Vikas Bharti <i>et al</i> (2017) Indian J Biotech p216-221


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Report on
Two-day National Seminar on "Innovations in Nanobiotechnology"
27th and 28th February, 2019

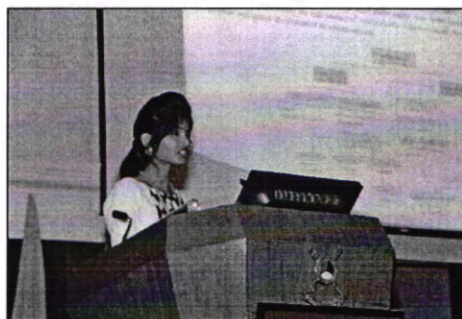
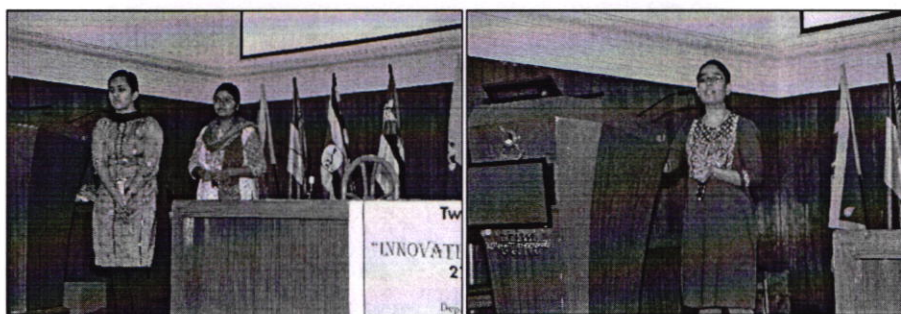
A two-day National Seminar entitled "Innovations in Nanobiotechnology" was organized by the departments of Microbiology and Biochemistry at Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri, on 27th and 28th of February, 2019. The seminar was collaborated with "Hyderabad Chapter of Association of Microbiologists of India" & "Department of Microbiology, UCS, OU".

As a part of seminar, poster presentations, paper presentations, scientific writing and quiz were organized for which students from various colleges participated. There were 64 Research papers presented in various fields of Enzyme, Food and Nutrition, Plant, Environmental, Microbial Biotechnology and Nanobiotechnology. There was a very good response for the seminar and around 118 students participated from various other colleges and research institutes. Student participation in various events enhances their knowledge and helps them to improve their skills and potential to excel in various fields of science.

Poster presentation

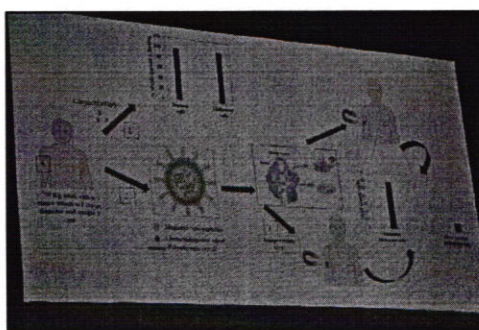
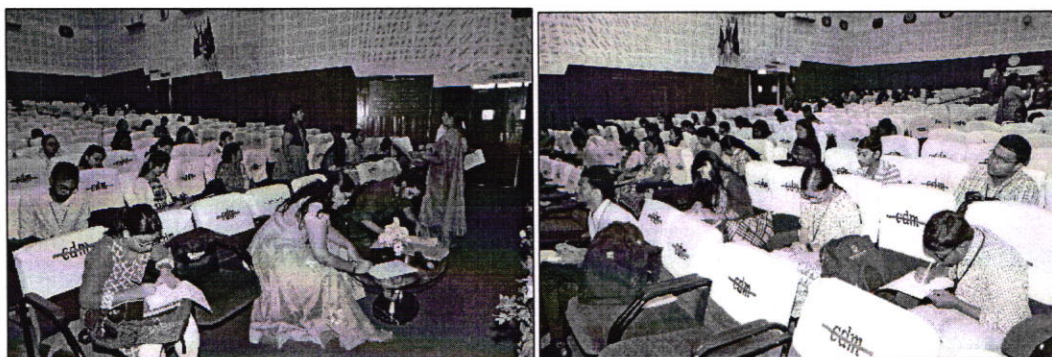


Oral presentation



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Scientific Writing



Quiz



A. Sai Pad

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Sainikpuri, Secunderabad-500094

**Students participation in Original Research work presentation from MSc Biochemistry
Two Day National Seminar On Innovations In Nanobiotechnology**

MSc II Year Biochemistry

S NO	Title of the presentation	Student name
1	Determination And Comparison Of Chemical Properties Of Fatty Acids Extracted From Processed Foods	Priyanka
2	A Comparative Study of Antioxidants and Antimicrobial activity in Vegetables, Leafy Vegetables and Spices	J.Gunapriya, K.Geetha Lakshmi, Niharika Sharma
3	Extraction and purification of carotenoids from vegetables and fruits	A.Mounika
4	Casein extraction from various milk samples and its role as a viable substitute for conventional plastics.	A. Anusha
5	Isolation and Determination of Lipase activity in germinating <i>Arachis hypogea</i> by Entrapment method	Omkar Pallerla
6	Characterization of peroxidase from bitter gourd (<i>Momordica charantia</i>) and its application in de-colorization of dyes	G.Swarupa
7	Anti-nutritional factors in Soybeans and effects of processing	K. Haripriya
8	Identification of phytochemicals and antimicrobial activity from <i>Chrysanthemum tagetes</i>	J.Shravani
9	Extraction, Partial Purification and Characterization of Kiwifruit Enzyme	M. Snigdha
10	Estimation of Citric acid from Soft drinks, Fruit juices and Energy drinks from BVC Canteen to analyze Safety levels of consumption	Ch. Himantha
11	Biochemical Analysis of Sprouted And Unsprouted Seeds In Green Gram (<i>Vigna radiata</i>) chick Pea (<i>Cicer arietinum</i>) black Gram (<i>Vigna mungo</i>)	R. Mounika
12	Determination of Antimicrobial activity of Spider Cobwebs combined with Silver Nanoparticles and Plant (<i>Ficus sp</i>) extract	Sriram Aishwarya
13	Modulation of Peroxidase activities by plant leaf extracts from Neem and Tulasi extracts	M. Sravani, Nikita Sharma