

2017-18 (58)

Visit to Vijaya Diagnostics

The B.Sc students were taken to Vijaya Diagnostics, Himayath nagar on 21-12-2017 to provide better understanding of their skill enhancement course (SEC) in "Medical Diagnostics". They were taken to Biochemistry, Microbiology, Pathology, Cytology and Histopathology labs where they could understand the technical advances in diagnostics. They were made aware of how large number of different clinical parameters are analysed by complete automation with minimum human intervention and maximum accuracy. This visit has given the students high understanding of complete automation that occurs in medical diagnostics.



A. Sai Dads
Head, Dept. of Bio-Chemistry,
Bhavan's Vivekananda College
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Skill Enhancement course
Medical Diagnostics (MBiC)

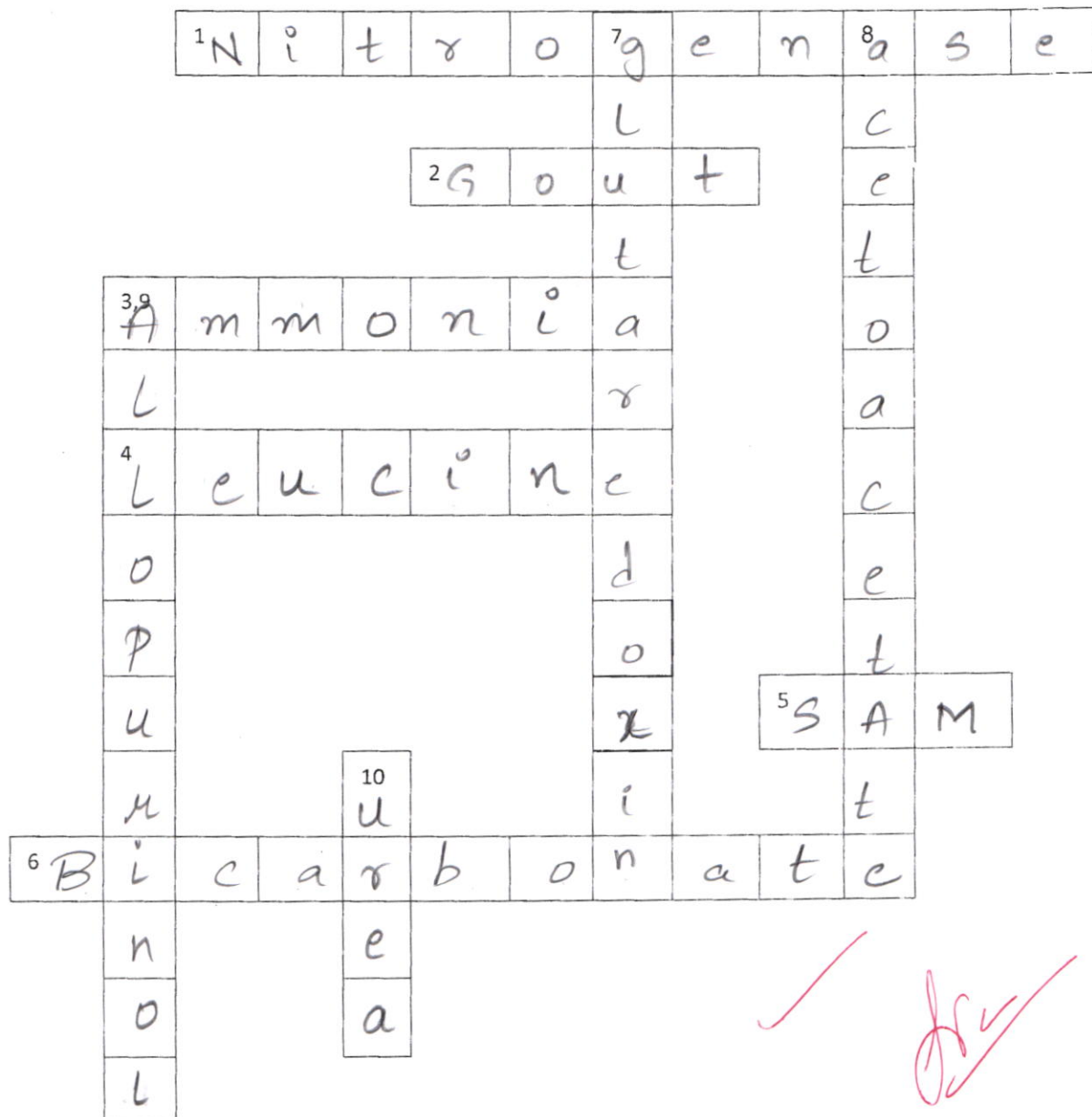
2017-18

S.No	Roll No	Name
1	107247116004	Ankita Dey
2	107247116005	B.Harshini
3	107247116006	Deepthi
4	107247116009	Shireesha
5	107247116010	Alekhya
6	107247116015	Manju Mohan
7	107247116017	M.Sowmya
8	107247116019	Krishna Sai
9	107247116022	Mansa
10	107247116031	Madhuri
11	107247116032	Lalitha Nagamani
12	107247116045	M.Srikar
13	107247116048	Niharika

Medical Diagnostics (BtGC)

S.No	Roll No	Name
14	107257316001	A.Sita Kanaka Durga
15	107257316009	D.Aishwarya
16	107257316016	Jyotsna
17	107257316018	K.V.L.Sowjanya
18	107257316024	M.Bhargavi
19	107257316025	M.Jhansi
20	107257316030	Shazia
21	107257316033	Akanksha Singh
22	107257316036	Naina Kumari
23	107257316037	Neha
24	107257316042	Rishu Panwar
25	107257316043	Shaik Fathima
26	107257316044	Sodima kumara Prajapathi
27	107257316045	Sukhdev Ghosh
28	107257316046	A. Himabindu
29	107257316047	Lavanya Srikanth
30	107257316048	Poojitha.K

Name of the students: Tahiya and Pranallika
 Class: Mbio II year
 Date: 10/1/18



Across

1. Enzyme for nitrogen fixation
2. Accumulation of uric acid causes
3. Marine invertebrates' excretory product
4. Example for a ketogenic amino acid
5. Biological Methylating agent
6. C₆ carbon of purine ring

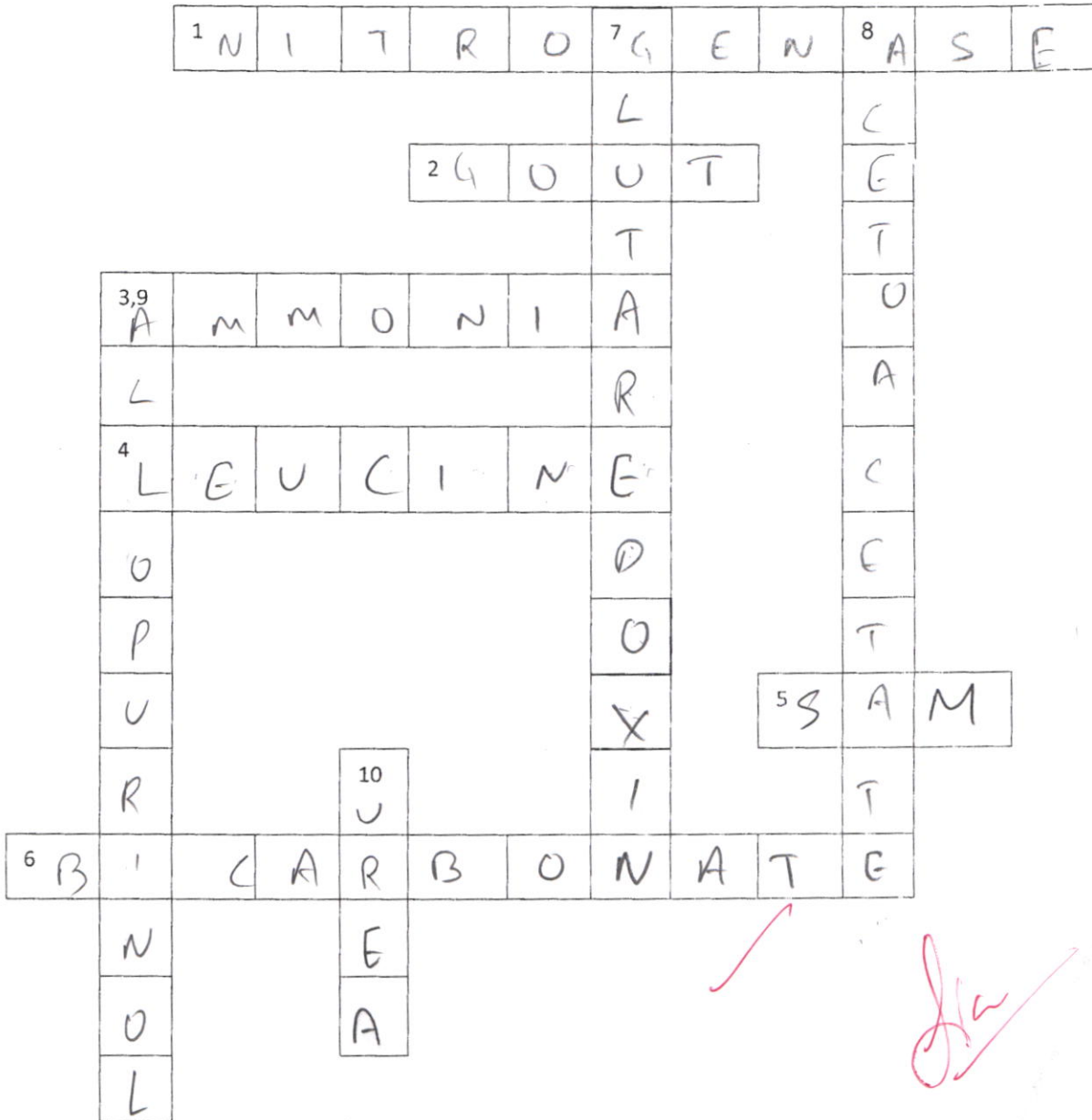
Down

7. Reducing agent for ribonucleotide reductase
8. End product of phenylalanine degradation
9. Drug to treat gout patients
10. Protein degradation product

Name of the students:

Class:

Date:



- Across
1. Enzyme for nitrogen fixation
 2. Accumulation of uric acid causes
 3. Marine invertebrates' excretory product
 4. Example for a ketogenic amino acid
 5. Biological Methylating agent
 6. C₆ carbon of purine ring

- Down
7. Reducing agent for ribonucleotide reductase
 8. End product of phenylalanine degradation
 9. Drug to treat gout patients
 10. Protein degradation product

H. Sai

(4)
(55)

REPORT

Students of B.Sc II year M.Bi.C have attended CSIR – CCMB Open day which is celebrating its 75th year of “CSIR touching lives”. We reported at 11:30 am near CCMB gate. We have been allotted with a guide by name Mr. Satyajeeth Salunkhe.

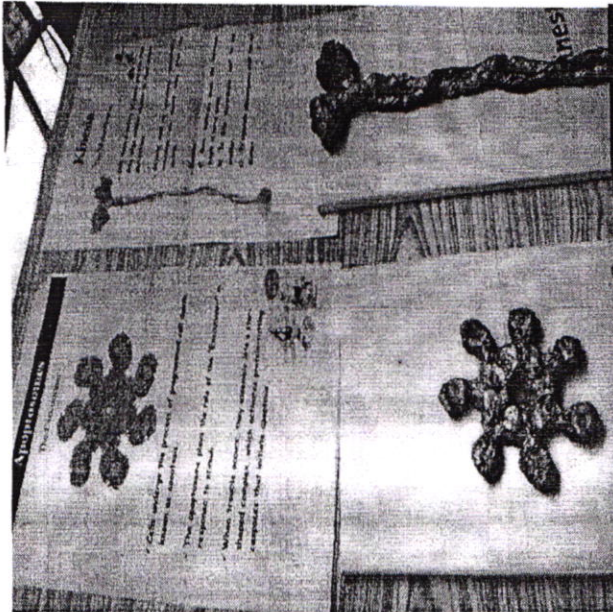
Initially we were taken to explore the Campus and were facilities available. We were explained about the principles of important instruments like Electron microscope, liquid chromatographic chambers, high performance liquid chromatographic chambers, spectroscopy labs, protein analysing equipment.

Exhibits and posters related to popular topics in modern microbiology like Bug station where it explained about the 65% similarities in genetic information of humans and drosophila, Zebra fish, Samba masuri rice, Liquid nitrogen etc. Facts of biological world.

A short video related to Conservation genetics and wild life and forensic science were shown.

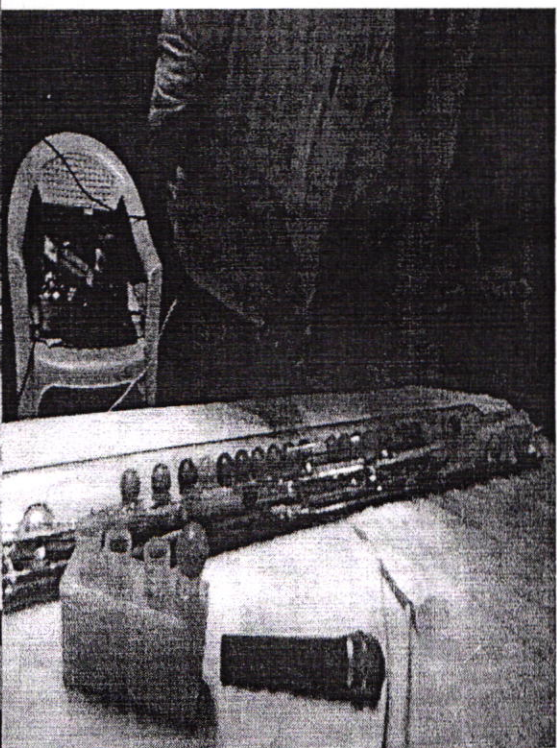
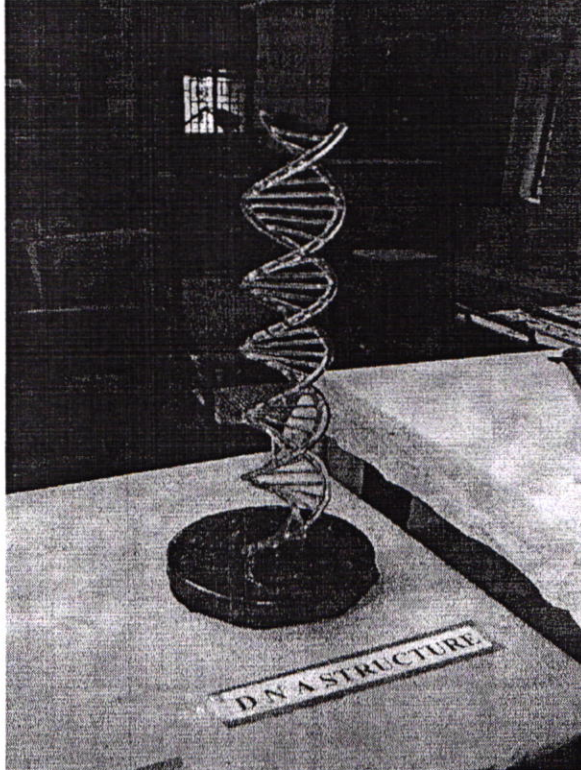
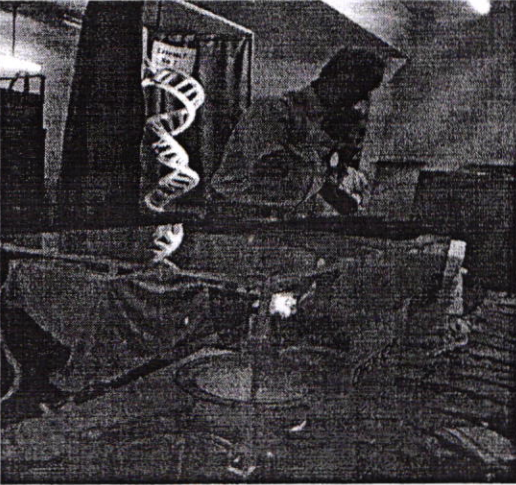
It was a great experience visiting the CCMB open day. It was very informative and inspiring also and got motivated. It was an experience for us which gave a focus to choose our area of research.

Sai Dade
Head, Dept. of Biochem
Shri Chavan's Vivekananda College
Banjara Hills, Secunderabad-500 017



APPLICATIONS OF LIQUID NITROGEN

- Preservation** - Freezing and storage of Fish, Sea Foods etc. (Better taste and long storage life)
- Insulation of Power Parts** - Simple and lighter equipment, better thermal shock resist.
- Food Processing** - For freezing of chewing Gum, Ice Cream etc.
- Food Grinding** - Grinding of spices, pulses etc., Pickles, Sausages and Meats.
- Genetics** - Cryo-preservation of cells, tissues etc. can be stored indefinitely. (Eg. sperm and embryos, Eye cornea, Skin, Human erythrocytes and plasma, many strains of bacteria and fungi).
- Medicine** - Cryosurgery (skin, Warts and cancer treatment, Eye: Removal of cataracts, Brain Parasites) Disease: Dysecstasy/ Proctology (Dys. Leucorrhoea), Adenocarcinoma: Lower: cure of infection, prostatitis in scrothical, short or no surgical cure.
- Microbiology** - Cryo-preservation, produce high vacuum and increase pumping speed.
- Micro-Drilling** - Drilling, rivet setting, Cryo-anaesthetics of cutting tools, Surface grinding under liquid Nitrogen spray for better surface finish.
- Plastic and Rubber** - Resilience of scrap/rubber and plastics by cryo-grinding eg. table tennis ball.
- Cryopreservation** - Preservation of cell extractors.
- Subconformability** - Better, conducting resistance for MIL, MCM, Instruments, magnetic tapeheads, Thin Film applications etc.
- Chemical Processing** - For homogenizing and extraction.
- For Analytical** - For microscopic, laser, infrared, Raman, etc. For testing of adhesion, delamination and other test techniques, for measuring cryo pump (10⁻⁸ - 10⁻¹⁰ Torr) and other stages.
- For Shipping** - The shipping liquid nitrogen to carry out research, Cold storage of Chemicals.
- For High Temperature Research** - Shows the cooling effect.
- For Safety** - For skin and surface: Cryogenic Power and Cryogenic Research.



Bhavan's Vivekananda College of Science, Humanities & Commerce,
Sainikpuri, Hyderabad.

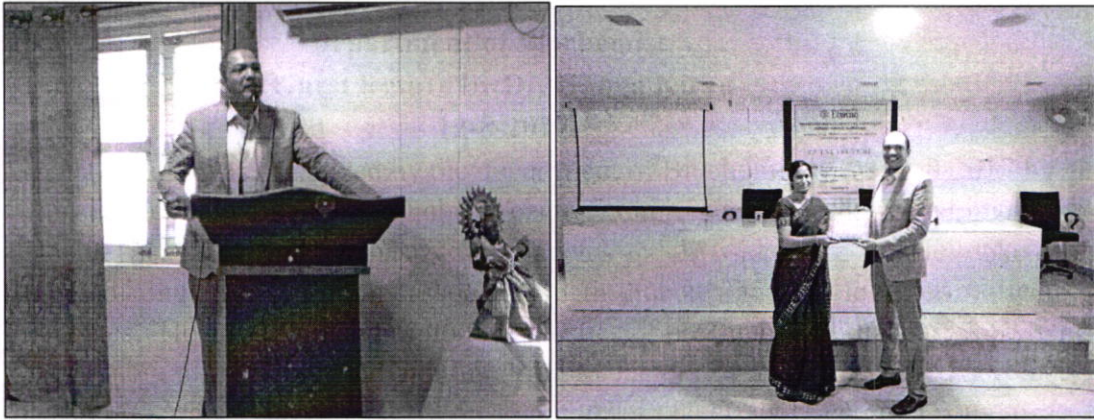
List of 11 students from BSc Life Sciences (MBiC) attended the CSIR-CCMB Open day near Habsiguda, Uppal road, Hyderabad on 26th September, 2017 with Booking ID:1093 and Booking time allotted is between 11:30am - 12:30pm.

S.No	Roll Number	Name	Signature
1.	47116010	Sri Lakshmi Alekhya .CH	
2.	47116012	Akhil .I	
3.	47116017	Sowmya.M	
4.	47116019	Krishna Sai	
5.	47116021	Reddy Krishna Manasa	
6.	47116026	Manikanta U.V	
7.	47116032	K Sri Lalitha Naga Mani	
8.	47116036	Nisha Chaudary	
9.	47116045	Srikar. M	
10.	47116046	Mirza Kumayl Ali Khan	
11.	47116048	Niharika. B	

2017-18
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Department of Biochemistry
Guest lecture by Dr. Ganga Kiran
12-8-2017

A guest lecture was organized by the department of Biochemistry on 12-8-2017 by Dr. Ganga Kiran, Diabetologist of Kiran Diabetic centre, Somajiguda. He delivered his talk on "Modern Health Disorders" and emphasized on diabetes and thyroid disorders. He spoke about different types of diabetes, symptoms associated with diabetes and the long term effects of untreated diabetes. He gave an insight into the statistics of prevalence of diabetes worldwide. He explained about modifiable and non-modifiable factors associated with diabetes and stressed on the importance of diet and exercise to control diabetes. He covered some aspects related to thyroid disorders like hypothyroidism and hyperthyroidism, their differences in terms of symptoms and the care that should be taken to manage such conditions. Students interacted with the doctor with their queries and found the talk to be very informative.



Department of Biochemistry
Guest lecture by Dr. Sumana Chakravarty
19-12-2017

A guest lecture was organized by the Department of Biochemistry on 19-12-2017 by Dr. Sumana Chakravarty, Principal Scientist, CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad. She spoke on “Relevance of using animal models in biomedical research: Special reference to behavioural disorders”. She explained the use of animal models like Zebra fish and mice to study the behavioural patterns. She also explained the basis of neurophysiology in behavioural patterns of animals. Students have received the lecture with high enthusiasm and interacted with her.



2016/17
⑧ 48

Report on Visit to CFRD

In an attempt to motivate the students of life sciences towards research, the M.Bi.C 3rd year students were taken to Central Facilities for Research & Development (CFRD), Osmania University on 17-8-2017. The students were shown different instruments like HPLC, Confocal Microscope, Nuclear Magnetic Resonance (NMR), Fourier Transform Infrared (FTIR) Spectroscopic Gas Analyser, Biofermentor for ethanol production, Mass spectrometer, Real-Time PCR, Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) and Lyophilizer etc. They were made aware of the working of different instruments and their applications in various fields of research. This visit has given the students an opportunity to understand the subject and research activities associated.



A (signature)

List of students to visit Central Facilities for Research & Development (CFRD)

S.No	Roll No	Name of the student
1	47115001	Behara Anita Shravani
2	47115002	Chilukuri Sravya Savithri
3	47115003	D Naga Jyothi
4	47115004	D Nikhitha
5	47115005	Jadala Naga Jyothi
6	47115006	K Harshita
7	47115007	Kanchukatla Alekhya
8	47115009	Kolagattla Naveen Reddy
9	47115010	Konda Rama Krishna
10	47115011	L Vighnesh
11	47115012	M Yamini
12	47115013	Modem Anudeep
13	47115014	Mokarala Kavya
14	47115015	Pamidighantam Lakshmi Soujanya
15	47115016	Potluru Sree Vyshnavi
16	47115018	Sivandi Akhil Vamshi
17	47115019	Sowmya Jai Kumar Sreeja
18	47115020	Sreekar Vattem
19	47115021	Surap Reddy Pavan Kalyan Das
20	47115022	Tanuja
21	47115023	Vanka Mamidi Sai Krishna
22	47115024	Veerannagari Bhanu
23	47115025	Aarti Mishra
24	47115026	Arpana Pal
25	47115027	Ayesha Sultana
26	47115028	Geethika J
27	47115029	Gudivada Sai Trishala
28	47115031	Kotapati Aparna
29	47115032	Lella Gayatri
30	47115033	M Rohit Kumar
31	47115034	Manisha Sahn
32	47115035	Munnangi Mounika
33	47115036	Munnooru Shrutika
34	47115038	Nibedita Rout
35	47115039	Pravalika P
36	47115040	Sadurgam Vijayanthi
37	47115041	Ch Durga Satya Deepthi
38	47115042	Maria Shalini D
39	47115043	Veena Chowdary
40	47115044	Mudigonda Chandana
41	47115045	Kommula Prakash Kumar

Department of Biochemistry
Guest Lecture by Dr. Lakshman Varanasi
20th November, 2017

The alumnus of the biochemistry department Dr. Lakshman Varanasi, Asst Professor, Institute of Molecular and Translational medicine, Palacky University OLOMOUC 77900 CZECH Republic has delivered a lecture to the under graduate and post graduate students of Biochemistry on 20th November, 2017. He spoke on his current research work of colon cancer markers and gave some insights of various career opportunities from which the students could choose after their courses. The lecture was well received by the students and interaction with him had cleared their doubts.



REPORT ON THE FIELD VISIT TO INDIAN IMMUNOLOGICALS

2017-18

10

7th February, 2018

The students of first and final year M.Sc Biochemistry were taken on a field visit to Indian Immunologicals, Gachibowli, Hyderabad, on 7th February, 2018. Indian Immunologicals, a subsidiary of National Dairy Development Board, is an organization involved in the production of both human and animal vaccines. Dr. Surya Prasad, scientist at Indian Immunologicals briefed the students about role of organization in improving milk production by the cattle in the country as part of the "Operation Flood programme". He explained students the wide range of vaccines like RAKSHA brand of vaccines for cattle and other livestock and ABHAYA brand of vaccines for humans, made by Indian Immunologicals. He also explained its contribution to society by providing vaccines at subsidized prices to farmers. The students were shown different facilities available at the plant like cold storage facilities including the -80°C and 40°C, viral culture lab and fermenters. Students were made aware of significance of quality control and quality assurance measures need to be taken to ensure the quality of vaccines. The students have interacted with staff and got clarified of their doubts. The students and staff found the visit informative and beneficial.



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Students of M.Sc(Biochemistry), Bhavan's Vivekananda
visiting Indian Immunologists on 7TH Feb, 2018 (2017-18).

Sem II

107217514002	PALLERLA OMKAR
107217514004	CHOUTI HIMANTHA
107217514006	A ANUSHA
107217514008	NOMULA AKHILA KUMARI
107217514009	G SWARUPA
107217514010	JUTTU GUNA PRIYA
107217514011	CHALLALA MOUNICA
107217514015	KOTTAM GEETHA LAKSHMI
107217514016	MUNIPALLE SNIGDHA
107217514017	PRIYANKA B
107217514018	NIKITA SHARMA
107217514019	SRIRAM AISHWARYA
107217514020	PRIYANKA
107217514021	JADAV SHRAVANI

sem iv

107251416001	GURIJALA JAGRUTHI
107251416002	A MARIA ANGELEENA
107251416004	RAI DEEPAK REDDY
107251416005	A.P.P FLORENCE
107251416006	N L MOUNIKA
107251416007	BABBURI ANUSHA
107251416008	M MONICA SONALI
107251416009	PORALLA PRANAYA
107251416010	GOGIKAR NAVEENA
107251416012	GUNTI BEERBIN
107251416013	P.SAMPATH REDDY
107251416015	KURPATH NIHAL MENON
107251416016	FARHATHUNISSA
107251416020	GAYATRI E S V L P N
107251416021	NANDHINI BALA B
107251416022	KOTWAL SHIFA BUSHRA
107251416025	M VINEETHA

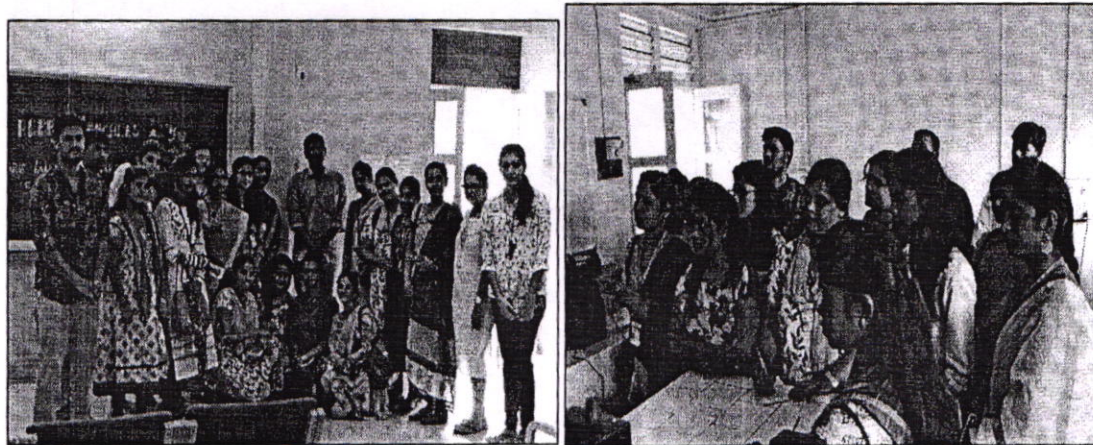
total no of students = 31.

A. Sai Reddy
6/2/18

permitted
AA → 6/2

Educational Trip to CFTRI

The students of M.Sc Biochemistry III semester were taken on an educational trip to CFTRI, Mysore from 5th to 9th of Sept, 2017. On 7th Sept, 2017 the students visited the departments of protein chemistry and biochemistry and show case of CFTRI. Prof. Rajagopal Principal scientist and Dr. Ramprasad T R, scientist department of biochemistry spoke to the students regarding the future prospects in biochemistry and research activities of the organization. The students were also shown various instruments like HPLC, PCR. The students also visited the food analysis lab where they were explained about the techniques employed by CFTRI in food fortification. The students also visited the animal house facility.



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A. Sai Reddy

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

Department of Biochemistry

List of MSc students

Visit to CFTRI, Mysuru, Karnataka 570020

5th -9th September, 2017

S. No	Hall Ticket	Students Name
1	107251416001	Gurijala Jagruthi
2	107251416002	A Maria Angeleena
3	107251416003	Saahithi Somishetti
4	107251416004	Rai Deepak Reddy
5	107251416005	Ashok Philomina Priscilla Florence
6	107251416006	N L Mounika
7	107251416007	Babburi Anusha
8	107251416008	M Monica Sonali
9	107251416009	Poralla Pranaya
10	107251416010	Gogikar Naveena
11	107251416012	Gunti Beerbin
12	107251416013	Pullagurla Sampath Reddy
13	107251416015	Kurpath Nihal Menon
14	107251416019	Priyanka Mehra
15	107251416020	Gayatri E S V L P N
16	107251416021	Nandhini Bala B
17	107251416022	Kotwal Shifa Bushra
18	107251416023	Kompella Naga Kanaka Lakshmi Lavanya
19	107251416024	Manju Rani Das
20	107251416025	M Vineetha
Faculty name		Dr. S. Padma & Mrs. M.Usha

2017-18
13
65

FIELD VISIT TO BIOCON Ltd

12-2-2018

The students of first and final year M.Sc Biochemistry were taken on a field visit to Biocon Ltd, Pashamylaram, Patancheru, Hyderabad, on 12th Feb, 2018. The students were briefed about Good manufacturing practices (GMP) and Good laboratory practices (GLP) and various job opportunities available for life science students in various departments of an industry. Later they were shown analytical chemistry division and working principles of HPLC, GC, Polarimeter, Fourier transform spectroscopy, Coulometer, Particle size instrument, Muffle furnace, Ultra pressure liquid chromatography (UPLC). The staff explained patiently about all these instruments and students have interacted with them and found the visit very useful.



A. Sai Reddy

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Bhavan's Vivekananda College
of Science, Humanities & Commerce, Sainikpuri, Secunderabad-500094.
Autonomous-Affiliated to Osmania University
Accredited with 'A' Grade by NAAC

Students' list for education visit to Biocon ltd on 12.02.2018

1.	Gurijala jagruthi
2.	A. maria angeleena
3.	Saahithi somishetti
4.	Rai deepak reddy
5.	N I mounika
6.	Babburi anusha
7.	M monica sonali
8.	Poralla pranaya
9.	Gunti beerbin
10.	Farhathunissa
11.	Priyanka mehra
12.	Gayatri E S V L P N
13.	Nandhini bala B
14.	Kotwal shifa bushra
15.	Kompella naga kanaka lakshmi lavanya
16.	Manju rani das
17.	M vineetha
18.	Pallerla omkar
19.	A. Anusha
20.	I. Honey
21.	Akhila
22.	J. Guna priya
23.	Challala mounica
24.	Kottam geetha lakshmi
25.	Munipalle snigdha
26.	Budarayavalasa priyanka
27.	Nikita sharma
28.	Priyanka

A. Sai Pad
9/2/18

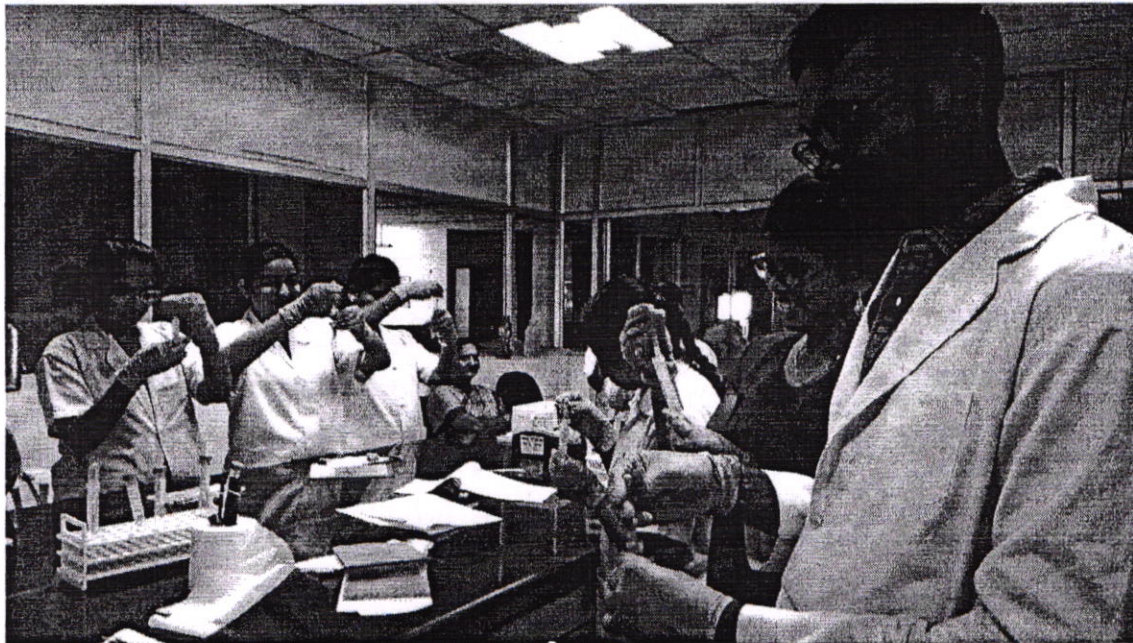
9/2/18

Workshop on cytogenetics
20th & 21st January, 2018

2017-18

(14)

The Department of Biochemistry has organized a workshop in "Cytogenetics" for M.Sc Biochemistry students in collaboration with Kamineni Life Sciences Pvt Ltd, Moula-Ali, Hyderabad on 20th and 21st, January, 2018. The workshop started with an introductory lecture on cytogenetics by Dr. Poornima, HoD, Dept. of cytogenetics, Kamineni Life Sciences Pvt Ltd and she explained the technique and significance of karyotyping in identifying genetic abnormalities and birth defects. The training session included culturing of blood cells, preparation of slides for observation of metaphase chromosomes and demonstration of technique of screening and imaging of chromosomes using spectral imaging software. They were also explained the patterns of unbanded and banded chromosomes for karyotyping and its analysis. Dr. Annie Hasan, Geneticist, of the Institute delivered a lecture on "Utility of Cytogenetics and FISH in current day health care". She also motivated students to choose wide opportunities available in life sciences. The workshop provided a good opportunity for students to gain hands on training in karyotyping of chromosomes.



A. Saijad

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**Bhavan's Vivekananda College
of Science, Humanities & Commerce**

Sainikpuri, Secunderabad – 500094
Autonomous College - Affiliated to Osmania University
(Accredited with 'A' grade by NAAC)

Workshop on "Cytogenetics"

Organised by Department of Biochemistry

in collaboration with

Kamineni Life Sciences Pvt Ltd, Moula-Ali, Hyderabad

20th & 21st January, 2018

1	107217514001	NIHARIKA SHARMA
2	107217514002	PALLERLA OMKAR
3	107217514004	CHOUTI HIMANTHA
4	107217514006	A ANUSHA
5	107217514007	INAPARTHY HONEY
6	107217514008	NOMULA AKHILA KUMARI
7	107217514009	G SWARUPA
8	107217514010	JUTTU GUNA PRIYA
9	107217514011	CHALLALA MOUNICA
10	107217514012	ADELLE MOUNIKA
11	107217514014	MADHIKUNTA SRAVANI
12	107217514015	KOTTAM GEETHA LAKSHMI
13	107217514016	MUNIPALLE SNIGDHA
		PRIYANKA
14	107217514017	BUDARAYAVALLASA
15	107217514018	NIKITA SHARMA
16	107217514019	SRIRAM AISHWARYA
17	107217514020	PRIYANKA
18	107217514021	JADAV SHRAVANI

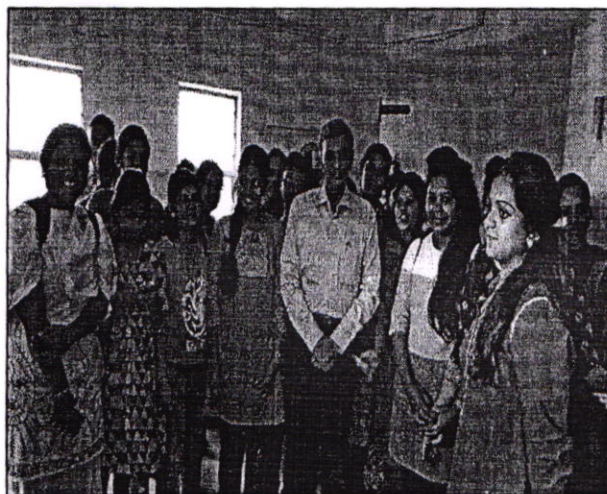
A. Sai Pad
22/1/2018

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

Report on the 5th GMERF foundation day lecture

The 5th foundation day of Global Medical Education and Research Foundation was organized at St. Francis college for women, Begumpet on 17th August, 2017. The programme was inaugurated by Dr. Jaya Prakash Narayana of Lok Satta party. Dr.V.Sritharan presented the annual report of the foundation. This was followed by the foundation day lecture by Dr. Jaya Prakash Narayana on "Medical education and Health care in India- current scenario".

Dr. Jaya Prakash Narayana emphasized on the general health care needs of people in India and how the government should spend more money on public health. The post graduate students of biochemistry and Microbiology attended the lecture and interacted with the speaker.



A. Sai Reddy
Head, Dept. of Biochemistry
Women's Vivekananda College

2017-18 (41)
(16)

Visit to VIMTA Labs

The students of M.Sc Biochemistry were taken to VIMTA Labs on 1-8-2017 to provide advanced practical exposure for their Skill enhancement course (SEC) in Clinical Laboratory Diagnostics. They were shown procedures of sample collection, sorting and labelling. They were taken to different labs which perform analysis of routine biochemical parameters, hormone assays by chemiluminiscence methods, cytology and histopathology samples. They were made aware about the high level of automation that takes place in diagnostic labs. This visit has given the students a better understanding of the course.



A. Sai Sankar

Department of Biochemistry

List of MSc students

Visit to VIMTA Labs, Cheralapally, Hyderabad

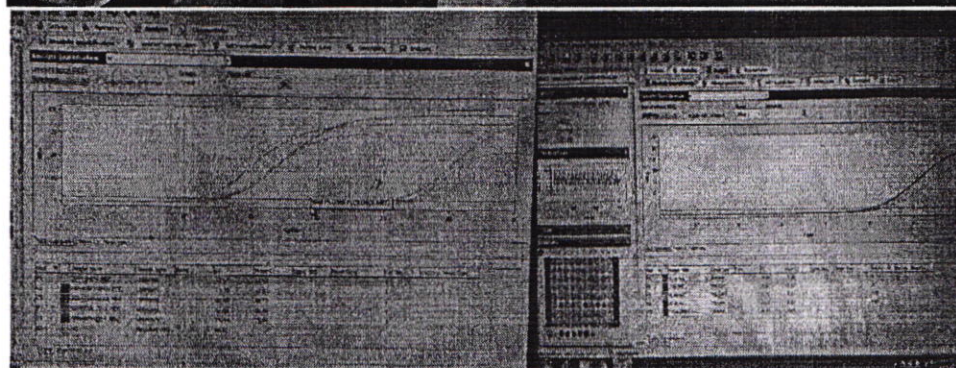
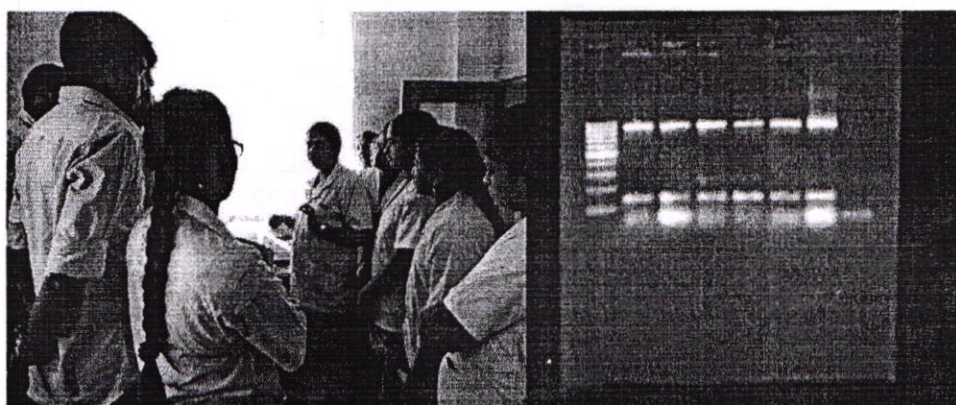
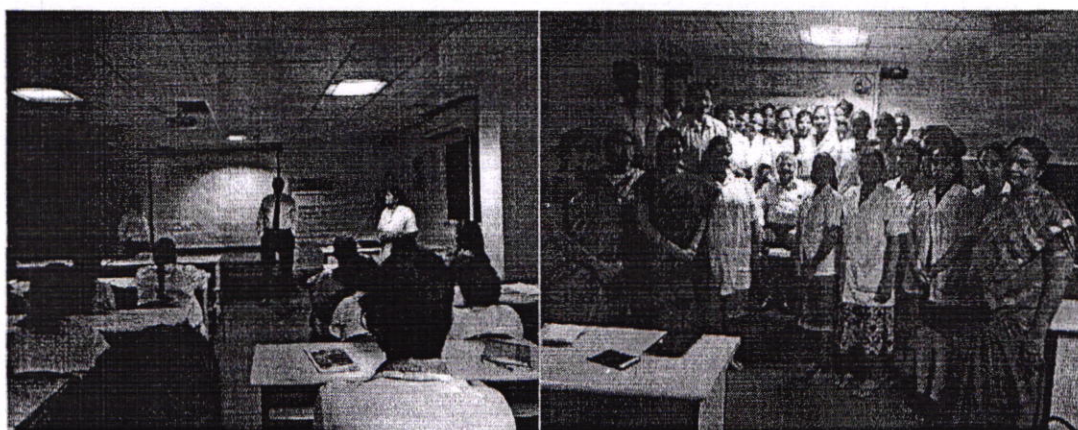
1-8-2017

S. No	Hall Ticket	Students Name
1	107251416001	Gurijala Jagruthi
2	107251416002	A Maria Angeleena
3	107251416003	Saahithi Somishetti
4	107251416004	Rai Deepak Reddy
5	107251416005	Ashok Philomina Priscilla Florence
6	107251416006	N L Mounika
7	107251416007	Babburi Anusha
8	107251416008	M Monica Sonali
9	107251416009	Poralla Pranaya
10	107251416010	Gogikar Naveena
11	107251416012	Gunti Beerbin
12	107251416013	Pullagurla Sampath Reddy
13	107251416015	Kurpath Nihal Menon
14	107251416016	FARHATHUNISSA
15	107251416019	Priyanka Mehra
16	107251416020	Gayatri E S V L P N
17	107251416021	Nandhini Bala B
18	107251416022	Kotwal Shifa Bushra
19	107251416023	Kompella Naga Kanaka Lakshmi Lavanya
20	107251416024	Manju Rani Das
21	107251416025	M Vineetha
Faculty name		Dr. S. Padma & Mrs. D Rajani

WORKSHOP AT GMERF

(7th to 9th December, 2017)

The department has organized a 3-day workshop for M.Sc Biochemistry students on **“Molecular Diagnosis of Methicillin Resistant *S.aureus* (MRSA) by multiplex Polymerase Chain Reaction (PCR) and Real Time PCR”**, in collaboration with Global Medical Education and Research Foundation (GMERF), Global Hospitals, Hyderabad. The students were given hands-on training in isolation of DNA from *S.aureus* (MRSA) cultures by both conventional and kit methods. Further *mecA* and *nuc* genes were amplified by multiplex polymerase chain reaction (PCR) in conventional and real time methods. The products were analysed and found to show good amplification. At the end of the workshop, the students were given a test to assess their understanding of the procedures learnt in the workshop.





BHAVAN'S VIVEKANANDA COLLEGE
OF SCIENCE, HUMANITIES AND COMMERCE
Sainikpuri, Secunderabad-500 094
(Autonomous- Accredited with 'A' Grade by NAAC)

Workshop on

“Molecular Diagnosis of Methicillin Resistant *S.aureus* (MRSA) by multiplex Polymerase Chain Reaction (PCR) and Real Time PCR”
organized by the Department of Biochemistry in collaboration with Global Medical Education and Research Foundation (GMERF), Global Hospitals, Hyderabad

7th - 9th December, 2017.

S.No	HTNO	Student name
1	107251416001	Gurijala Jagruthi
2	107251416002	A Maria Angeleena
3	107251416003	Saahithi Somishetti
4	107251416004	Rai Deepak Reddy
5	107251416005	Ashok Philomina Priscilla Florence
6	107251416006	N L Mounika
7	107251416007	Babburi Anusha
8	107251416008	M Monica Sonali
9	107251416009	Poralla Pranaya
10	107251416010	Gogikar Naveena
11	107251416012	Gunti Beerbin
12	107251416013	Pullagurla Sampath Reddy
13	107251416015	Kurpath Nihal Menon
14	107251416016	Farhathunissa
15	107251416019	Priyanka Mehra
16	107251416020	Gayatri E S V L P N
17	107251416021	Nandhini Bala B
18	107251416022	Kotwal Shifa Bushra
19	107251416023	Kompella Naga Kanaka Lakshmi Lavanya
20	107251416024	Manju Rani Das
21	107251416025	M Vineetha

A. Sai Das

TEAMS FOR GTVM-2018
M.Sc(Biochemistry)

Poster presentations (Theme: Molecular diagnosis of genetic disorders)

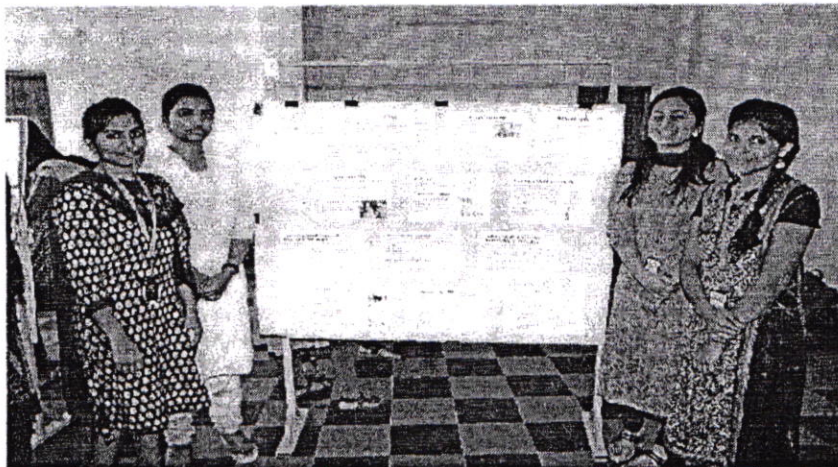
Group 1. **Cystic Fibrosis:** Priyanka, I. Honey, M.Sravani R. Roshni

Group 2: **Hemophilia A:** J.Gunapriya, B.Priyanka, A.Mounika, Niharika Sharma

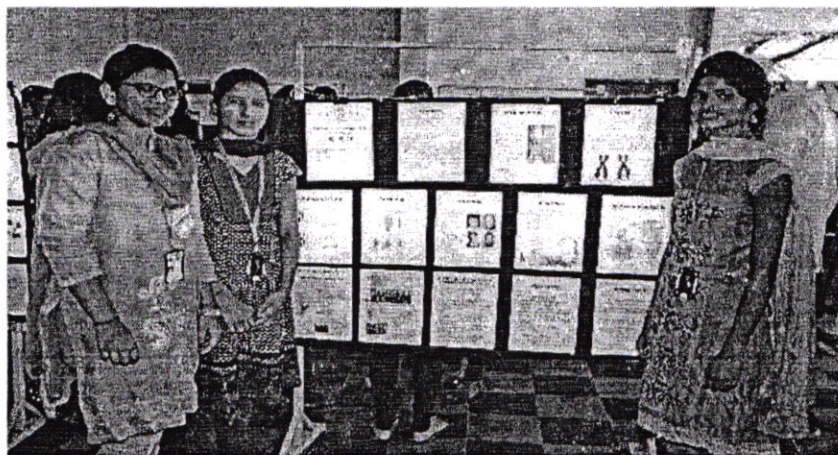
Group 3. **Huntington's chorea:** Ch.Mounica, Akhila Kumari, Haripriya Nikita Sharma

Group 4: **Hemochromatosis:** M. Snigdha, Aishwarya Sriram, J.Shravanthi, Himantha

Group 5: **Fragile X Syndrome:** K.GeethaLakshmi, Anusha, Swaroopa, Omkar



Ch.Mounica, Akhila Kumari, Haripriya Nikita Sharma presenting their poster



K.GeethaLakshmi, Anusha, Swaroopa, Omkar presenting their poster

A. Sai Pad
Head, Dept. of Bio-Chemistry
Phyenia, Mysore, Karnataka

Department of Biochemistry
Dissemination meeting of Nano3Bio
20th Sept,2017

The staff and students of the department of biochemistry attended Nano3Bio a one-day dissemination programme on 20th Sept,2017 held at Hyderabad Central University. The seminar was about chitin and chitosan which are used as raw materials for medicine, agriculture, water treatment, cosmetics, paper and textile industries as well as many other fields of application. It was a good opportunity for the post graduate students to get an overview of the basic research and how it could be translated to applied aspects. The event provided an opportunity to the students to interact directly with eminent scientists and get motivated in the field of research.



List of candidates participating in Nano3Bio

Department of Biochemistry

Bhavan's Vivekananda College of Science, Humanities and Commerce,

Sainikpuri, Secunderabad.

Faculty:

1. Dr. A. Sai Padma
2. Dr. S. Padma
3. Mrs. D. Rajani

Students:

1. Ms. Shifa Bushra
2. Ms. B. Nandini Bala
3. Ms. G. Jagruthi
4. Ms. ESVLPN Gayathri
5. K.N.K. Lakshmi Lavanya

(20)

STUDENT SEMINARS (SemIV 2017)

S..NO	Name of the student	TOPIC	Reference	Page Nos
1	G.Jagruthi	Isolation and characterization of cholesterol degrading bacteria from soap and vegetable oil industrial waste	Saranya <i>et al</i> (2014) Indian Journal of Biotechnology 13(4) 508-513	1-5
2	A Maria Angeleena	Isolation and identification of bacteria with bioremediation potential of oil spills in lake Nakuru, Kenya	Wanjohi <i>et al</i> (2015) Asian Jr. of Microbiol. Biotech. Env. Sc. Vol. 17, No. (4) : : 831-838	6-10
3	Saahithi Somishetti	Anti-proliferative and proteasome inhibitory activity of <i>Murraya koenigii</i> leaf extract in human cancer cell lines	Bindu Noolu and Ayesha Ismail(2015) DOI: 10.15562/phytomedicine.2015.18	11-14
4	Rai Deepak Reddy	The CRISPR-Cas-9 system: A new dawn in gene editing	Shafie <i>et al.</i> (2014), J Bioanal Biomed 6:6	15-21
5.	Ashok Philomina Priscilla Florence	Dietary grapes(<i>Vitis vinifera</i>) feeding attenuates ethanol induced stress in blood and modulates immune function in mice	Mukherjee <i>et al</i> (2012) Indian J biochem biophysics Vo49 p379-385	22-28
6	N L Mounika	Embryo protective effect of pomegranate fruit extract in adriamycin-induced oxidative stress	Krishna Kishore <i>et al</i> (2009) Indian J biochem biophysics Vo46 p 106-111	29-37
7.	Babburi Anusha	Apple as a source of dietary phytonutrients	Feretti <i>et al</i> (2014) Food and Nutrition sciences,5, 1234-126	38-41
8.	M Monica Sonali	Modelling and docking studies of Parkinson disease 7 domain containing protein		42-44
9.	Poralla Pranaya	Isolation, characterization and antibiotic resistance pattern of nosocomial bacterial isolates	Yasmin <i>et al</i> (2016) Asian Jr Microbiol.Biotech.Env.Sc, Vol.18,	46-52
10	Gogikar Naveena	Enzymes of earthworm as indicators of pesticide pollution in soil	Tiwari.R.K. <i>et al</i> (2016) Advances in Enzyme Research, 4, 113-124	53-59
11	Gunti Beerbin	Fluorescence technique description for measuring calcium in mice sperm	Suha Mahmood A. Alghazal and Jiuping Ding (2015) Advances in Molecular Imaging, , 5, 29-37	60-71
12	Pullagurla Sampath Reddy	Effects of salinity on chickpea(<i>Cicer arietinum</i>) land races during germination stage	Shanko D, <i>et al</i> (2017) J Biochem Mol Biol Vol.3:No.2:9	72-78
13	Kurpath Nihal Menon	Investigation of phytochemical and antimicrobial activity from <i>chrysanthemum roseus</i> and evaluate the plant mediated nanoparticle synthesis	Kanthiravan <i>et al</i> (2016) Asian J Of Microbiol.Biotech.Env.Sc Vol 18,403-418	79-84
14	Farhathunissa	Tannin extract characterization of young mangrove rhizophora	Hardoka <i>et al</i> (2017) Asian J Of Microbiol.Biotech.Env.Sc Vol 19, 331-336	85-89

A C. N. I.

		mucronata leaves as ingredients for diabetic functional food.		
15	Priyanka Mehra	Wound healing activity of <i>Celtis timorensis</i> Span.(Cannabaceae) leaf extract in Wistar albino rats.	Prashanth Kumar <i>et al</i> (2017) Indian.J.Exptl.Biol Vol55 p688-693.	90-97
16	Gayatri E S V L P N	<i>Tribulus terrestris</i> ameliorates aluminium chloride -induced alterations in oxidative status and functional markers in the liver, kidney, brain and testis of laboratory mouse	Praveen Kumar and Poonam singh (2016)IJBB 53(5&6) 179-186,	98-104
17	Nandhini Bala B	The isolation and determination of sulforaphane from broccoli tissues by reverse-phase high performance liquid chromatography	Azizi <i>et al</i> (2011),Journal of the Chinese Chemical Society, 58, 906-910	105-113
18	Kotwal Shifa Bushra	Evaluation of Oxidative stress in Type 2 diabetes mellitus and follow up along with vitamin E supplementation	Sarita et al (2011) Indian J Clin Biochem; 26(1): 74-77.	114-119
19	Kompella Naga Kanaka Lakshmi Lavanya	Green synthesis of magnetite nanoparticles for treatment of polluted water.	Hiremath <i>et al</i> Asian J Of Microbial.Biotech.Env.Sc (2017) Vol19,No2, 367-374	120-130
20	Manju Rani Das	Estimation of glycemic carbohydrates from commonly consumed foods using modified anthrone method	S Devindra (2015)- Indian J Appl Res, Volume : 5 Issue : 3 March ISSN - 2249-555X	131-135
21	M.Vineetha	Comparative diagnostic utility of neopterin and IFN- γ /IL-2 in extrapulmonary tuberculosis	Goyal <i>et al</i> (2017) Indian Journal of Clinical Biochemistry, Volume 32, Issue 4, pp 453-458	136-141

M. Sai Dada

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Bhavan's Vivekananda Centre,
Sanikpuri, Secunderabad-500076

TEAMS FOR GTVM-2018
M. Sc(Biochemistry)

Semester IV- Oral presentations (Project work)

Roll No	Name	Title
51416001	G.Jagruthi	Effect of Temperature on Polyphenol Content In Spinach (<i>Spinacia Oleracea</i>), Mint (<i>Mentha</i>), Coriander (<i>Coraindrum Sativum</i>)
51416002	A. Maria Angellena	Formulation of Herbal Sanitizer and Determining Their Antimicrobial Activities of Herbal And Chemical Sanitizers Against Skin Microflora
51416003	Saahithi S	Extraction And Evaluation Of Peroxidase Enzyme Activity From Various Vegetables & Effect Of Different Parameters Like Ph And Temperature on Enzyme Activity
51416004	R.Deepak Reddy	Determination of Succinate Dehydrogenase Activity in Germinating Seeds.
51416005	A P P Florence	Extraction and Partial Purification of Polyphenol Oxidase (PPO) From Ripe Tomatoes and the Study of the Effect of Anti-Browning Agents on The Activity of PPO.
51416006	N.L Mounika	Clinical Correlation of Vitamin-D With Respect to Age And Glucose Levels
51416007	B.Anusha	Partial Purification of B Amylase From Sweet Potato And Studies on The Effect Of Medicinal Leaf Extract on B Amylase Activity
51416008	M.Mounika Sonali	To Evaluate Cholesterol Levels Associated with High Density Lipoprotein (HDL-C) And Its Correlation with Physical Activity in College Students.
51416009	P.Pranaya	To Evaluate Levels of Triglycerides, Total Cholesterol and Cholesterol Associated with Low Density Lipoprotein (LDL-C) in College Students.
51416010	G.Naveena	Protease Enzyme Activity in Ripened Fruits
51416012	G.Beerbin	Biochemical Analysis of Fruit And Vegetable Peel Extract
51416013	P.Sampath Reddy	Estimation of Ascorbic Acid in Fruits at Different Temperatures.
51416015	G. Nihal Menon	Determination of Peroxidase Activity from Sweet Corn at Different Conditions of pH and Temperature
51416016	Farhathunnisa	Clinical Correlation of Bilirubin with Hemoglobin Levels
51416019	Priyanka Mehra	Isolation and Estimation of Pectin from Citrus Fruit Peel and Determination of Its Properties.
51416020	Gayatri ESVLPN	Study on α -Amylase and Catalase Activities In Germinating Seeds and their Modulation by Spice Extracts
51416021	B. Nandini Bala	Isolation of Papain from Papaya Leaves and Latex of Raw Papaya
51416022	K. Shifa Bushra	Synthesis and Characterization of Biopolymer Based Selenium Nanoparticles and Its Biotechnological Applications
51416023	KNKL Lavanya	Isolation of Bromelain From Pineapple (<i>Ananas Comosus</i>) and Determination of its Activity in Anti-Browning and Anti-Coagulation Effect
51416024	Manju Rani Das	A Study on The Effect of Ascorbic Acid on Antioxidant Enzymes Activity Under Salt Stress In Germinating <i>Triticumaestivum</i> (Wheat)
51416025	M. Vineetha	Determination of Chemical Composition in <i>Moringa Oleifera</i>