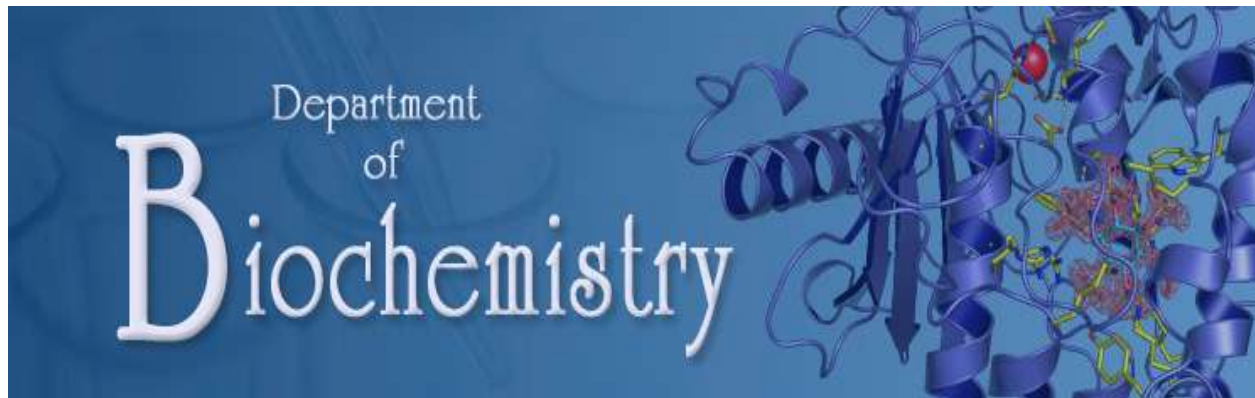


# DEPARTMENT OF BIOCHEMISTRY



Biochemistry is the study of chemical processes in living cells at molecular level. The key event was the development of a membrane what enclosed and defines a cell, specific conditions such as; temperature, pH, and chemical concentration can be generated and controlled. Cells carry out all the life processes

## ***OBJECTIVES***


- The course aims to provide an advanced understanding of the core principles and topic of biochemistry and their experimental bases, and to enable students to acquire a specialized knowledge and understanding of selected aspects by means of a branch lecture series and research project.
- To relate the importance of chemistry and biochemistry to learn health care.
- To define matter and energy.
- To describe the four main groups of organic compounds: carbohydrates, fats, proteins and nucleic acid.
- To explain difference between DNA & RNA molecules.
- To explain difference between an acid, base and salt.


# ***HISTORY***


Biochemistry Department was established in 2003 in this college. The new biochemistry department and Lab was situated in Dr. Hargovind singh Khorana block in college. We teach both theory and practical aspects so that students can develop the research skills they need to pursue their careers and interests.


## ***DEPARTMENT OF BIOCHEMISTRY***

### **FACULTY PROFILE WITH DETAILS**

<b>Name</b>	Dr. Nandini Kothari (Incharge)	
<b>Qualification</b>	Ph.D.	
<b>Designation</b>	Professor	
<b>Work experience</b>	PG- 40, UG- 33	
<b>E-mail ID</b>	<a href="mailto:Nandinikothari10@gmail.com">Nandinikothari10@gmail.com</a>	
<b>Area of interest</b>	Food & Nutrition	
<b>seminars</b>	13	
<b>Publications</b>	0	

<b>Name</b>	Ms. Premlata Chaturvedi	
<b>Qualification</b>	M.Phill. (Biochemistry)	
<b>Designation</b>	Asst. Professor	
<b>Work experience</b>	PG-6, UG-6	
<b>E-mail ID</b>	<a href="mailto:Greatprema@gmail.com">Greatprema@gmail.com</a>	
<b>Area of interest</b>	Biochemistry	
<b>seminars</b>	10	
<b>Publications</b>	1	

<b>Name</b>	Ms. Payal Jaiswal	
<b>Qualification</b>	M.Phil. (Biochemistry)	
<b>Designation</b>	Ast. Professor	
<b>Work experience</b>	Govt. - PG-1 ,UG-1, Private – 2	
<b>E-mail ID</b>	<a href="mailto:Jpayal96@gmail.com">Jpayal96@gmail.com</a>	
<b>Area of interest</b>	Plant & dental biochemistry	
<b>seminars</b>	7	
<b>Publications</b>	3	

<b>Name</b>	Mrs. Amrita Bhondwe	
<b>Qualification</b>	M.Sc. (Biochemistry)	
<b>Designation</b>	Asst. Professor	
<b>Work experience</b>	PG-2 , UG-2	
<b>E-mail ID</b>	<a href="mailto:bhondwe.amrita@gmail.com">bhondwe.amrita@gmail.com</a>	
<b>Area of interest</b>	Biochemistry	
<b>seminars</b>	2	
<b>Publications</b>	0	

## **ACADEMIC COURSES OFFERED**

**(2017-2018)**

<b>S. No.</b>	<b>Name of course</b>	<b>No. of seat</b>	<b>No. of Admitted</b>
1	B.Sc. (Biochemistry) Undergraduate	1yr- 60 2 <sup>nd</sup> yr- 40 3 <sup>rd</sup> yr- 40	1yr- 33 2 <sup>nd</sup> yr-22 3 <sup>rd</sup> yr-11
2	M.Sc. (Biochemistry) Post graduate	1yr- 25 2 <sup>nd</sup> yr-25	1yr- 13 2 <sup>nd</sup> yr- 0

## SYLLABUS

S.no	Class	Subject	Paper
1	B.Sc I <sup>st</sup> year	Biochemistry	a) Biomolecules b) Biophysical techniques
2.	B.Sc.II <sup>nd</sup> year	Biochemistry	a) Intermediated biochemistry b) Enzymology
3.	B.Sc.V <sup>th</sup> sem	Biochemistry	Metabolism
4.	B.Sc.VI <sup>th</sup> sem	Biochemistry	Immunology
5.	M.Sc. I <sup>st</sup> sem	Biochemistry	a) Chemistry of biomolecules b) Analytical biochemistry c) Cell biology d) Biostatistics
6.	M.Sc. II <sup>nd</sup> stem	Biochemistry	a) Physiology b) Microbial Biochemistry c) Nutritional biochemistry d) Genetics
7.	M.Sc. III <sup>rd</sup> sem	Biochemistry	a) Enzymology b) Metabolism-I c) Plant biochemistry d) Biotechnology
8.	M.Sc. IV <sup>th</sup> sem	Biochemistry	a) Molecular biology b) Metabolism II c) Immunology d) Clinical biochemistry

## STUDENT PROFILE (2017-18)

S.No.	Class	No of admitted	No of Appeared	Pass	Fail	Result (%)
1.	B.Sc I <sup>yr</sup>	33	35 (With old)	32	03	
2.	B.Sc 2 <sup>nd</sup> yr	22	28(with old)	III <sup>rd</sup> sem-27 IV <sup>th</sup> sem-27	III <sup>rd</sup> sem-01 IV <sup>th</sup> sem-nil	
3.	B.Sc.3 <sup>rd</sup> yr	11	11	V <sup>th</sup> sem-11 VI <sup>th</sup> sem-11	V <sup>th</sup> sem-nil VI <sup>th</sup> sem-nil	

## **INTERNSHIP DETAILS B.Sc. (2017-2018)**

<b>S.NO.</b>	<b>NAME OF STUDENTS</b>	<b>INTERNSHIP TITLE</b>	<b>INTERNSHIP INSTITUTE OR PLACE</b>
1.	Sangeeta Jamod	Diagnosis of Typhoid	Paramount medilab, Indore
2.	Anju Gurjar	Quality control on dairy products	Indore sahkari dugdh sangh maryadit .
3.	Anmol Sankhla	Processing of food products from soyabean seeds	Ruchisoya industries ltd. Indore.
4.	Ayushi Jain	Formulation & Analytical analysis of pharmaceutical tablets	Biochem. Healthcare pvt.ltd. Ujjain
5.	Bhagya Lakshmi	Malaria	Swastik path lab Indore
6.	Chetna Choudhari	Malaria and diabetes	Swastik path lab Indore
7.	Priyanka Pandey	Malaria and diabetes	Swastik path lab Indore
8.	Priyanka Chouhan	Diagnosis of typhoid	Gokuldas hospital, Indore
9.	Ranu Parmar	Diagnosis of malaria	City medical investigation, Indore
10	Rekha parmar	Diabetes Melittus	City medical investigation,Indore
11.	Shivani Chourasiya	Diagnosis of Jaundice	Dada Nirbhaysingh patel memorial hospital, Indore.

**EVENTS NEWS & PHOTO GALLERY**

***GarbaDayCelebration***



## *B.Sc. VI sem Girls*



## *Rebulic Day celebration*



## *M.Sc. Previous Girls*

CONTACT US

[ngdcindorebiochemistry@gmail.com](mailto:ngdcindorebiochemistry@gmail.com)