

*S.S.V.P.S's Late Karm. Dr. P. R. Ghogrey Science College,  
Dhule*



## **DEPARTMENT OF BIOCHEMISTRY**

**Departmental Profile**

**2022-23**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Scope and Importance of Department**

The scope of biochemistry is as wide as life itself. Wherever there is life, chemical processes are occurring. Biochemists study the chemical processes that occur in microorganisms, plants, insects, fish, birds, mammals and human beings. Biochemistry is the language of biology. The branch focuses on studying organisms' cells, thereby understanding their structures and various interactions.

### **HIGHLIGHT OF THE DEPARTMENT**

- Date of Establishment : 1<sup>st</sup> June 2010
- Built up area of the Department: 32.34 sq.mtrs.
- Biochemistry Department has UG course from June 2010
- Biochemistry as a Principal subject.

**2 Details of Programmes / Courses offered (UG/PG/PhD/Certificate Course/Diploma course) ( Academic Year 2022-23)**

<b>Name of Programme</b>	<b>Duration</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>
UG	3 Years	H.S.C. Science	English
B.Sc.Biochemistry	3 Years	-----	English

**3** Program pattern ( Semester / annual/ CBCS): **CBCS**

**4** Number of teaching and non teaching staff: **Teaching Staff: 04 Non-Teaching: 03**

**5** Number of Teaching in the department

<b>Designation</b>	<b>Sanctioned</b>	<b>Filled</b>
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	04	04

**6** Faculty profile with name, qualification, designation, specialization, (Ph.D. / M. Phil. etc.)

### Faculty of the Department

<b>Sr. No.</b>	<b>Name o Faculty</b>	<b>Designation.</b>	<b>Qualification.</b>	<b>Experience (Yrs.)</b>
1	Dr. Yuvraj D. Adsul	Asst. Prof.	M.Sc, M.Phil, Ph.D	14
2	Mrs.Ashvini K.Patil	Asst. Prof.	M.Sc.B.Ed	09
3	Mrs.Ansari Tayyaba Bano	Asst. Prof	M.Sc.Biochemistry	03
4	Mrs. Anishma D.Rajput	Asst. Prof.	M.Sc.Biochemistry	02

### Non-teaching Faculty of the Department

Sr. No.	Name o Faculty	Design.	Experience (Yrs.)
1	Mrs. Priti A. Patil	Lab. Asst.	13
2	Mr. Rakesh V. Kachave	Lab. Attd.	05
3	Mrs. Malti D. Patil	Lab. Attd.	05

### Intake Capacity

Sr. No.	F.Y.B.Sc	S.Y.B.Sc	T.Y.B.Sc
1	50	40	30

### Students Strength

Sr. No.	F.Y.B.Sc	S.Y.B.Sc	T.Y.B.Sc
1	14	15	22

## Distribution of the Students (2022-2023)

Sr. No.	Class	Category of Student							Total
		SC	ST	NT	VJ	SBC	OBC	OPEN	
1	F.Y. BSc	00	00	01	01	00	07	05	14
2	S.Y. BSc	00	00	03	01	01	06	04	15
3	T.Y. BSc	02	01	02	01	--	09	07	22

## Percent Result (%)

Sr. No.	F.Y.B.Sc	S.Y.B.Sc	TYBSc
1	96%	86%	89%

## Students in College Rank (2022-2023)

Class	Rank	Name of Students	Percent (%)
F.Y. BSc	I	Jadhav Nikita Sanjay	81.65
	II	Sonawane Hemlata Subhas	76.81
	III	Patil Yogesh Sunil	74.30
S.Y. BSc	I	Ghadge Prakash Sanjay	79.55
	II	Bohari Hujefa Yusuf	74.10
	III	Patole Renuka Promod	72.29

T.Y. BSc	I	Patil Gaurav Manohar	84.84
	II	Geed Ayushi Madhukar	81.12
	III	Chauhan Sohan Dilip	76.32

**07** List of senior visiting faculty: **Nil**

**08** Ongoing /completed research projects by faculty funded  
By governmental and non-governmental agencies (Last five years): **Nil**

**09** Research papers published in journals notified on UGC website (Last five years): **Nil**

**10** Research papers published in National/International Conference-proceedings: **Nil**

**11** Number of books and chapter in edited volumes/Books published: **Nil**

**12** Name of Research Guides: **Nil**

**13** Number of Ph. D/ M. Phil awarded by faculty: **01**

Faculty as chairman/members in National committees/International Committees/ Editorial  
Boards /BOS/University committees etc: **Nil**

**14** Awards / Recognitions received by faculty : **Nil**

**15** Numbers of awards / Medals for outstanding performance in sports/cultural activities in  
National/ International/ State level etc. received by students : **Nil**

**16** Students Qualifying in State/National/International level examination (NET, SET,  
GATE, GMAT, GRE, TOEFL/UPSC/MPSC/State government examination, etc.) **Nil**

**17** Student progression to higher studies. UG to PG, (Last Batch, 2021-22)

Total Student for UG to PG = 11

Year	Class T.Y.B.Sc	Name of Students	Admitted to which course	College Name/University Name
2021-22	1	Pathan Uzma Khan Zarak Khan	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	2	Ansari Zaki Anjum M.	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon

	<b>3</b>	Kothawade Saksi	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>4</b>	Borse Sushil Mohan	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>5</b>	Chaudhari Jagruti Vasudev	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>6</b>	Desale Pooja Bharat	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>7</b>	Girase Bhusan Pratapsing	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>8</b>	Jamadar Tanvir Gajendra	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>9</b>	Khairnar Disha Jaywant	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>10</b>	Kothawade Sakshi Sunil	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon
	<b>11</b>	Mali Vipul Nitin	M.Sc. Biochemistry	K.B.C.N.M.U.Jalgaon

**18** Average percentage of placement of outgoing students during the Last five year  
Name of the Department: **Biochemistry**

<b>Sr. No.</b>	<b>Academic Year</b>	<b>Name of student placed and contact details</b>	<b>Program graduated from</b>	<b>Name of the employer with contact details</b>
1	2017-18	Pawar Dipak Santosh	B.Sc.Biochemistry	HOF-Pharma. Ltd.Pipan, Sanand, Gujrat 06353534530
2	2018-19	Patil Ganesh Sanjan	B.Sc.Biochemistry	Serum Institutes of India ,Pune
3	2018-19	Bhadane Rohini Sukhalal	B.Sc.Biochemistry	Mumbai
4	2018-19	Rajput Aanishma Dineshsing	B.Sc.Biochemistry	Asst. Prof.S.S.V.P.S Dr. P.R. Ghogrey Science College, Dhule
5	2018-19	Patil Ishwar Bapu	B.Sc.Biochemistry	Genova Biopharmaceuticals, Pune
6	2019-20	Hyalij Rahul Panjabrao	B.Sc.Biochemistry	Genova Biopharmaceuticals, Pune
7	2019-20	Ahmer Sheikh	B.Sc.Biochemistry	Tech support Executive@ HWS
8	2019-20	Patil Avinash D.	B.Sc.Biochemistry	Indian Army
9	2019-20	Patil Bhushan Janikiram	B.Sc.Biochemistry	Serum Institutes of India ,Pune
10	2019-20	Patil Dipali Rajendra	B.Sc.Biochemistry	Asst. Teacher of DMLT College of Sanjay Education

				Society Dhule.
11	2020-21	Mali Bhusan Sanjay	B.Sc.Biochemistry	Own Bussiness
12	2020-21	Sonawane Yogesh Sunil	B.Sc.Biochemistry	Online Buiness of Cloths.
13	2020-21	Ansari Mohammad Aeman	B.Sc.Biochemistry	Urdu MediumSchool Teacher,Dhule
14	2020-21	Mahale Mayur Pandurang	B.Sc.Biochemistry	Axis Bank, Dhule.
15	2021-22	Shirsat Nilesh Dilip	B.Sc.Biochemistry	Lab Technician at Dr. Bhavsar Clinic, Dhule.

19 List of eminent academicians and scientists / visitors to the department: **Nil**

20 Seminars/ Conferences/Workshops organized & the source of funding: **01**

Sr. No.	Level National/ International/ State	Name of the workshop/Seminar	Funding agency	Amount sanctioned	Durations (From-To)	Number of participants
1	State Level	State Eligibility Test (SET)	24/07/2021	00	00	160

21 Departmental result ( last five year)

### **Result Analysis**

#### **Dept. of Biochemistry**

Academic Year	Class	Name of Students /College Rank	Mark	University Rank
<b>2017-18</b>	F.Y.B.Sc	1) Patil Bhushan Jankiram	<b>8.41</b>	-----
		2) Jadhav Vijaya Dnyaneshwar	<b>7.67</b>	-----
		3) Sayyad Aslam Sayyad Aasif	<b>7.45</b>	-----
	S.Y.B.Sc	1) Rajput Anishma Dineshsinh	<b>7.42</b>	-----
		2) Bhadane Rohini Suklal	<b>6.9</b>	-----
		3) Patil Ganesh Sajan	<b>6.2</b>	-----
	T.Y.B.Sc	1) Amrute Snehal Nimba	<b>8.33</b>	<b>03</b>
		2) Girase Anita Komalsing	<b>7.59</b>	-----
		3) Gagare Shraddha Yaswant	<b>7.31</b>	-----
<b>2018-19</b>	F.Y.B.Sc	1) Patil Rina Shiram	<b>8.72</b>	-----



		2) Karanke Harshada Shantilal	<b>8.37</b>	-----
		3) Mule Shruti Ramakant	<b>7.56</b>	-----
	S.Y.B.Sc	1) Patil Bhushan Jankiram	<b>8.08</b>	-----
		2) Jadhav Vijaya Dnyaneshwar	<b>7.21</b>	-----
		3) Sayyad Aslam Sayyad Aasif	<b>6.65</b>	-----
	T.Y.B.Sc	1) Bhadane Rohini Suklal	<b>7.30</b>	-----
		2) Patil Ganesh Sajan	<b>7.15</b>	-----
		3) Girase Nikita Sanjay sing	<b>6.90</b>	-----
<b>2019-20</b>	F.Y.B.Sc	1) Rajput Darshana H.	<b>8.03</b>	-----
		2) Kothawade Sakshi Sunil	<b>7.44</b>	-----
		3) Borase Sushil Mohan	<b>6.59</b>	-----
	S.Y.B.Sc	1) Patil Rina Shiram	<b>8.51</b>	-----
		2) Karanke Harshada Shantilal	<b>7.63</b>	-----
		3) Mule Shruti Ramakant	<b>6.58</b>	-----
	T.Y.B.Sc	1) Patil Bhushan Jankiram	<b>8.94</b>	<b>01</b>
		2) Jadhav Vijaya Dnyaneshwar	<b>8.23</b>	<b>03</b>
		3) Sayyad Aslam Sayyad Aasif	<b>7.35</b>	-----
<b>2020-21</b>	F.Y.B.Sc	1) Patil Gaurav Manohar	<b>7.6</b>	-----
		2) Geed Ayushi Madhukar	<b>6.89</b>	-----
		3) Chauhan Sohan Dilip	<b>6.53</b>	-----
	S.Y.B.Sc	1) Borase Sushil Mohan	<b>8.2</b>	-----
		2) Khairnar Disha Jaywant	<b>7.63</b>	-----
		3) Rajput Darshana Harish`	<b>7.52</b>	-----
	T.Y.B.Sc	1) Patil Rina Shiram	<b>7.33</b>	-----
		2) Karanke Harshada Shantilal	<b>6.74</b>	-----
		3) Shaikh Ahme Aziz	<b>6.34</b>	-----
<b>2021-22</b>	F.Y.B.Sc	1) Bohari Hujefa Yusuf	<b>6.74</b>	-----
		2) Ghadge Prakash Sanjay	<b>6.32</b>	-----
		3) Mali Satish Sanjay	<b>6.22</b>	-----
	S. Y.B.Sc	1) Patil Gaurav Manohar	<b>7.2</b>	-----
		2) Chauhan Sohan Dilip	<b>6.91</b>	-----

		3) Geed Ayushi Madhukar	<b>6.63</b>	-----
	T.Y.B.Sc	1) Borase Sushil Mohan	<b>8.22</b>	<b>02</b>
		2) Khairnar Disha Jaywant	<b>7.66</b>	-----
		3) Rajput Darshana Harish`	<b>7.22</b>	-----

## 22 Details of Infrastructural facilities

Internet facilities for Staff & Students: **Yes**

Class rooms with ICT facility: **No**

Laboratories: **Yes**

List of Equipments/Instruments:

### **Department of Biochemistry, Biotechnology & Microbiology**

<b>Sr. No.</b>	<b>Name Of Equipments</b>	<b>Quantity</b>	<b>Year Of Purchase</b>	<b>Total Expenditures during Past Three Years (Rs)</b>
1	Laminar Air Flow	01	2005-2006	65000=00
2	Autoclave (Table Top)	03	2005-2006	11570=00
3	Clinical Centrifuge	02	2005-2006	19600=00
4	Oven	02	2005-2006	24000=00
5	Digital Electronic Top Loading Balance	01	2005-2006	32000=00
6	Spectrophotometer	01	2005-2006	31200=00
7	Colorimeter	01	2005-2006	16000=00
8	Nephalometer	01	2005-2006	12000=00
9	Inverted Microscope	05	2005-2006	404000=00

10	Binocular Research Microscope	01	2005-2006	39750=00
11	Autoclave Vertical	01	2006-2007	38975=00
12	Rotary Shaker	01	2006-2007	32930=00
13	Digital Colony Counter	01	2006-2007	10000=00
14	Agarose Gel Electrophoresis	01	2006-2007	3500=00
15	Cooling Centrifuge	01	2006-2007	48000=00
16	UV florescence Analysis Cabinet	01	2006-2007	9000=00
17	Stainless Steel Distillation Plant	02	2006-2007	16500=00
18	Column Chromatography	01	2006-2007	12000=00
19	Poly Acrylamide Gel Electrophoresis	01	2006-2007	20350=00
20	Incubator	02	2006-2007	26000=00
21	P <sup>H</sup> Meter	01	2006-2007	6500=00
21	Micropipette (1µl-10µl)	01	2007-2008	2610=00
22	Micropipette (2µl-20µl)	01	2007-2008	2610=00
23	Micropipette (50µl-1001µl)	01	2007-2008	2610=00
24	Micropipette (100µl-2001µl)	01	2008-2009	2610=00
25	Pen P <sup>H</sup> Meter	02	2008-2009	3160=00
26	Mc-Intosh Jar	01	2008-2009	5430=00
27	Digital Weighing Balance	02	2008-2009	17100=00
28	Western Blotting kit	01	2008-2009	8490=00
29	Western Blotting kit	01	2008-2009	17760=00
30	Genei Genetic teaching kits	09	2008-2009	37680=00
31	UV-Visible Spectrophotometer	01	2009-2010	1,48000=00
32	BOD Cooling Incubator	01	2012-2013	1,67000=00
33	Rotavapor with Chiller	01	2012-2013	1,80000=00

34	Bioreactor	01	2012-2013	3,00,000=00
35	Olympus Trinacular Microscop	01	2012-2013	1,15,000=00
<b>Total Rs.</b>				<b>18,97,935=00</b>

## Department of Biochemistry

Time-table (Academic Year 2022-2023)

Effective from 01/07/2022

### F. Y. B. Sc- Biochemistry

TIME	MON	TUE	WED	THU	FRI	SAT
7:30AM to 10:30PM	BC-103 AKP)					
1.30 PM to 2.20 PM	BC-101(AKP)	BC-01(AKP)	BC-101(AKP)	BC-102(AKP)	BC-102(AKP)	BC-102(AKP)

BC-101- Chemistry of Biomolecules BC-102 Cell Biology BC-103- Basic Techn in Biochem-I

### S. Y. B. Sc- Biochemistry

TIME	MON	TUE	WED	THU	FRI	SAT
11.50AM to 12.40PM					BC-304 (AKP)	BC-304 (AKP)
12:40PM to 1:30PM	BC-301 (ATR)	BC-301 (ATR)	BC-301 (ATR)	BC-302(ADR)	BC-302(ADR)	BC-302(ADR)
3:10PM to 5:30PM			BC-303 (ATR//ADR)			

BC-301- Food Biochemistry BC-302: Human Physiology-I BC-303 Practical course-I BC-304- Skill

### T. Y. B. Sc. - Biochemistry

TIME	MON	TUE	WED	THU	FRI	SAT
7:30AM to 10:30AM				BC-507(AKP)	BC-508 (ADR)	BC-509(ATR)
11:50AM to 12:40PM	BC-501(AKP)	BC-501(AKP)	BC-502 (ADR)	BC-504(ATR)	BC-505(ATR)	BC-504(ATR)
12:40PM to 1:30PM	BC-502 (ADR)	BC-502 (ADR)	BC-501(AKP)	BC-505(ATR)	BC-506 (AKP)	BC-506 (AKP)
1:30PM to 2:20PM	BC-505(ATR)	BC-503(ADR)	BC-503(ADR)	BC-506 (AKP)	BC-503 (ADR)	BC-503 (ADR)
2:20 PM to 3:10PM	BC-506 (AKP)	BC-505(ATR)	BC-504(ATR)	BC-501(AKP)	BC- BC-504(ATR)	BC-502 (ADR)

**BC-501-** Genetics,

**BC-504** Metabolisms

**BC-507-** PC- Techniques in Plant Biotechnology and Molecular Biology

**BC-509-PC-** Biophysical Chemistry

**BC-502-**Plant Biochem.

**BC-505-** Biophysical Chemistry

**BC-503-**Clinical Biochemistry

**BC-506 (A)-**Fermentation technology

**BC-508-PC** Dignostic Biochemistry-I

### Faculties

**YDA :** Yuvraj D. Adsul    **AKP-** Mrs. Ashvini K.Patil

**ATR-** Miss. Ansari T. Rasheed

**ADR** Miss. Anishma D.Rajput



## **-: Departmental Activities:-**

- Industrial training program for B.sc.,
- Guest lectures on different aspects of Biochemistry.
- Seminars for U.G. students.
- Ligase club for running different social and academic activities of the department.
- Study/ Industrial tours for students.

## **-: Future Plan:-**

- To Start Post Graduation in Biochemistry
- To Start Post Graduate course in D.M.L.T.
- To conduct Certificate course in Applied Biochemistry
- To conduct vocational course in Nano-Biotechnology.

