

Shiksha Mandal's  
**Bajaj College of Science, Wardha**

**Minutes of Governing Body Meeting held on April 10, 2024.**

The meeting of Governing Body of Bajaj College of Science, Wardha was held on Wednesday, April 10, 2024 at 12.00 noon in the Conference Room of Bajaj College of Science, Wardha. Online mode of the meeting was also made available for the members who were unable to join the meeting in person.

Agenda of the meeting was –

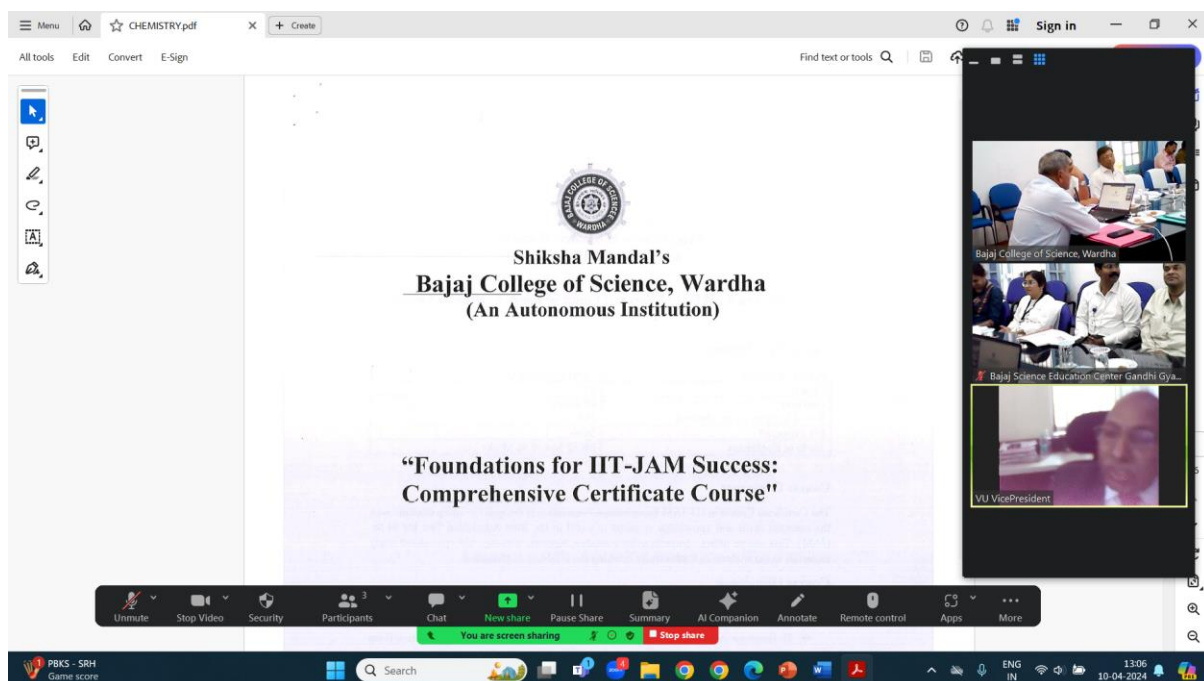
1. Confirmation of minutes of meeting held on 07/11/2023.
2. Information of the minutes of Academic Council meeting dated 04/04/2024.
3. Approval to the budgetary provisions recommended by the Finance Committee for the academic year 2024-25 in the meeting dated 05/04/2024
4. Results of Winter 2023 Examination
5. Achievements / Activities of the Students / College
6. Research Activities
7. Any other point with the permission of Chair.

Following members were present for the meeting –

- 1) Shri. Sanjay Bhargava, Chairman
- 2) Prof. W.N. Gade, Member (Attended online)
- 3) Dr. Mrs. V.V. Wanmali, Member
- 4) Dr. S.H. Bagade, Member
- 5) Dr. P.F. Dhabarde, Member
- 6) Shri. Bhupendra Lohiya, Special invitee
- 7) Dr. M.R. Chandrakar, Special invitee
- 8) Dr. P.A. Saudagar, IQAC Co-ordinator
- 9) Shri. G.S. Dhole, Member
- 10) Mrs. S.A. Dhore, Member
- 11) Prof. P.V. Tekade, Member Secretary

**AGENDA OF THE MEETING**

- 1) Confirmation of minutes of meeting held on 07/11/2023.
- 2) Approval to the recommendations of academic Council meeting dated 04/04/2024.
- 3) Approval to the Budgetary provisions recommended by the Finance Committee for the year 2024-25.
- 4) Results under Autonomy
- 5) Achievements / Activities of the Students / College
- 6) Research Activities
- 7) Any other point with the permission of the Chair.



### **Agenda 1 : Confirmation of the minutes of the governing body meeting dated 07/11/2023.**

Minutes of the previous governing body meeting dated 07/11/2023 were already circulated to the hon'ble members for their suggestions and modification. In this meeting members approved the minutes of the previous meeting unanimously.

### **Agenda 2 : Information of the minutes of Academic Council meeting dated 04/04/2024**

The meeting of Academic Council of Bajaj College of Science, Wardha was held on 04/04/2024. The members of Governing Body of Bajaj College of Science, Wardha were given the following information about academic council meeting.

#### **Approval to the certificate courses proposed by Boards of Studies :**

During the meeting, the Member Secretary informed the attendees about the certificate courses that were proposed by various departments and approved by their respective Board of Studies. These courses have been recommended by the Academic Council for the approval of the Governing Body. The Governing Body has approved the following certificate courses to be initiated from the session of 2024-25.

S. No.	Name of the department	Name of Certificate Course Approved by Board of Studies	Course Coordinator (Co-coordinator)	Proposed date of Commencement	Duration	Credit	No. of Students to be admitted	Proposed Fee (Rs.) / student
1	Physics	Certificate Course in Arduino and sensor integration	Dr. M.M. Yerpude	October 2024	60 Hours	2	20	500
2	Chemistry	Certificate Course in Soaps, Detergents and Disinfectants	Mr. N. A. Barwat	15/07/2024	60 Hours	2	100	400
3	Chemistry	Foundations for IIT-JAM Success: Comprehensive Certificate Course	Mr. M.D. Bansinge	15/07/2024	60 Hours	2	100	500

S. No.	Name of the department	Name of Certificate Course Approved by Board of Studies	Course Coordinator (Co-coordinator)	Proposed date of Commencement	Duration	Credit	No. of Students to be admitted	Proposed Fee (Rs.) / student
4	Computer Science	Certificate Course in Python for Data Analysis	Dr. P.A. Saudagar (Mr. S.A. Durge)	August 2024	45 Hours	2	20	700
5	Botany	Certificate Course on Mushroom Cultivation	Dr. P.F. Dhabarde (Dr. S.N. Kalode and Dr. Satish Mourya)	September 2024	30 Hours	2	20-30	500
6	Microbiology	Green synthesis of nanoparticles	Dr. B.V. Mohite (Ms K. N. Pimpalkar)	August 2024	30 Hours	2	20	300
7	Electronics	Certificate Course in Circuit Maker Simulation Software (Online)	Dr. P.A. Saudagar	August 2024	30 Hours	2	30	250
8	Biotechnology	Certificate Course in Fundamentals of Molecular Biology	Ms. K.S. Dhumane	August 2024	30 Hours	2	20	500

Commencement of new programmes :

Member Secretary Prof. P.V. Tekade provided an update on the college's plans to commence a new PG programme for the session 2024-25. The college has completed the necessary procedures for the introduction of M.Sc. Physics and a committee from the university has visited the college to assess its infrastructure and facilities. The Maharashtra government is expected to issue a GR in the months of May or June 2024. Once approved by all statutory bodies, the course is expected to begin in the academic session of 2024-25. The members of Governing noted this information.

*Agenda 5 of Academic Council : Academic Calander for the session 2024-25*

**Tentative Academic Calendar for the Session 2024-25**

	Months	Events/Activities
	<b>Odd Semester Session from 18<sup>th</sup> June 2024 to 30<sup>th</sup> October 2024</b>	
<b>Academic Part</b>	18 <sup>th</sup> June 2024	Commencement of Odd Semester of B.Sc Sem III and Sem V and M.Sc. Sem III Classes
	<b>June 2024</b>	Admission of Odd Semester B.Sc I and M.Sc. I under NEP
		Commencement of Odd Semester of B.Sc Sem I and M.Sc. Sem I Classes
	<b>Even Semester Session from December 2024 to 30<sup>th</sup> April 2025</b>	
<b>December 2024</b>	Commencement of Even Semester Classes - B.Sc. Sem. II, IV, VI and M.Sc. Sem II, IV	
<b>Curricular/ Co-curricular/ Extracurricular Activities</b>	<b>June 2024</b>	International Yoga Day
	<b>July 2024</b>	World Population Day Forest Conservation Day Induction programme for newly admitted UG/PG students Research Innovation Curricular Hour (RICH) Club Activity Institution Innovation Council (IIC) Activity
		<b>August 2024</b>
	<b>September 2024</b>	

		Hindi Diwas RICH Club Activity Internal Class Examination (ICE-II)	NSS Day IIC Activity
	<b>October 2024</b>	Wildlife Week Wachan-Pathan Diwas RICH Club Activity Internal Class Exam (ICE-III) / College Terminal Exam	Mahatma Gandhi Jayanti World Internet Day IIC Activity
	<b>November/ December 2024</b>	Graduation Ceremony	
	<b>December 2024</b>	NCC Day Human Rights Day National Maths Day IIC Activity	National Aids Day Minority Rights Day RICH Club Activity NSS Camp
	<b>January 2025</b>	National Youth Day Republic day celebration National Cleanliness Day IIC Activity	Army Day Martyr's Day RICH Club Activity Internal Class Exam (ICE-I)
	<b>February 2025</b>	Marathi Rajbhasha Din National Science Day - Scintillation – 2025 RICH Club Activity IIC Activity Internal Class Exam (ICE-II)	
	<b>March 2025</b>	International Women's Day RICH Club Activity IIC Activity Internal Class Exam (ICE-III) / College Terminal Exam	
	<b>April 2025</b>	World Health Day Dr. Babasaheb Ambedkar Jayanti RICH Club Activity IIC Activity World Book Day	
<b>Examination Schedule</b>	<b>November / December 2024</b>	Odd Semester Theory Exam of B.Sc Sem I, III & V and M.Sc Sem I, III	
		Declaration of Result Odd Semester	
	<b>April 2025</b>	Even Semester Theory Exam	
		Declaration of Result Even Semester	

\* Diwali / Winter / Summer Vacation - As per RTM Nagpur University Academic Calendar

Governing Body noted the information.

**Agenda 3 : Approval to the Budgetary provisions recommended by the Finance Committee for the academic year 2024-25**

**Information about Autonomy Grants Received :**

In the meeting, Prof. Tekade shared the details of grants received for autonomy for the years 2020-21, 2021-22, and 2022-23. However, he also mentioned that as per the UGC guidelines of April 2023, there is no provision for grants for autonomous colleges from the year 2023-24 and onwards.

He further informed the house about the actual expenses in the year 2023-24 and budgetary provision for the year 2024-25.

Governing Body noted the information and approved the actual expenditure and budget for the year 2024-25.

Sr.No.	Year	Total Exp. as per U.C.	Grant Sanctioned
01	2020-21	8,10,731	8,10,731
02	2021-22	8,80,993	8,80,993
03	2022-23	9,28,715	9,28,715
Total Rs.		26,20,439	26,20,439

**Information about Actual Expenses (Financial Assistance For Autonomous College) Session 2023-24**

Sr. No.	Nature and Patterns of Financial Assistance and Other enabling provisions.	Proposed Budeget in Lakh	Expenses for 31.03.2024
1	Upgradation of syllabus on regular basis making it skill oriented with quantifiable outcomes.	1.25	1,10,773
2	Orientation and retraining of teachers.	0.10	0
3	Re-designing courses and development of teaching/learning material.	1.25	1,22,152
4	Workshop and Seminars.	1.50	70,331
5	Examination reforms (Exam Software, Computer, Xerox Machhine)	1.20	1,14,673
6	Furniture for Office, Classroom, Library and Laboratories, Library Equipments, Books/ Journals.	1.25	1,14,000
7	Renovation and repairs not leading to construction of new building.	0.25	19,041
8	Extension Activities (Includes NCC as an elective subject)	0.10	0
9	Office Equipments, Teaching aids and Laboratory Equipments.	1.50	1,39,800
10	Guest / Visiting Faculty.	0.20	4,720
11	Capacity building for teachers.	0.20	0
12	Development of Area Study Programmes.	0.20	0
<b>Total Rs. (in Lakh)</b>		<b>9.00</b>	<b>6,95,490</b>

**Information about actual Autonomous Examination Fees Receipt & Expenses 2023-24**

Fee Received		Expenses	
Regular Examination Fees for B.Sc.	12,59,425	Autonomous Examination Exp.	9,48,980
Regular Examination Fees for M.Sc.		Autonomous Exam. Staffs Remuneration	7,12,910
Degree Fees	61,600	Graduation Ceremonony	54,442
Supplementary Exam.Fees for B.Sc.	10,26,535	Printing and Stationery (193200+67869)	2,61,069
Supplementary Exam.Fees for M.Sc.		Telephone and Internet Expenses	3,526
Xerox / Revaluation Fees/ Late Fees etc.	82,625	*Provisions for Summer -2024 Exam Remuneration.	4,50,000
Duplicate ML/Correction/Forms etc.	7,695		
<b>Total Rs.</b>	<b>24,37,880</b>	<b>Total Rs.</b>	<b>24,30,927</b>

## Budgetary Provision for Financial Assistance to Autonomous College Session 2024-25

Sr. No.	Nature and Patterns of Financial Assistance and Other enabling provisions.	Proposed Budeget in Lakh
1	Upgradation of syllabus on regular basis making it skill oriented with quantifiable outcomes.	1.25
2	Orientation and retraining of teachers.	0.10
3	Re-designing courses and development of teaching/learning material.	1.25
4	Workshop and Seminars.	1.50
5	Examination reforms (Exam Software, Computer, Xerox Machhine)	1.20
6	Furniture for Office, Classroom, Library and Laboratories, Library Equipments, Books/ Journals.	1.25
7	Renovation and repairs not leading to construction of new building.	0.25
8	Extension Activities (Includes NCC as an elective subject)	0.10
9	Office Equipments, Teaching aids and Laboratory Equipments.	1.50
10	Guest / Visiting Faculty.	0.20
11	Capacity building for teachers.	0.20
12	Development of Area Study Programmes.	0.20
`	<b>Total Rs. (in Lakh)</b>	<b>9.00</b>

### Budget for Autonomous Examination Fees for the year 2024-25

Receipt		Payment	
Regular Examination Fees for B.Sc.	15,64,000	Autonomous Examination Exp.	15,00,000
Regular Examination Fees for M.Sc.		Autonomous Exam. Staffs Remuneration	8,00,000
Degree Fees	50,600	Graduation Ceremonony	75,000
Supplementary Exam.Fees for B.Sc.	10,03,500	Printing and Stationery	2,00,000
Supplementary Exam.Fees for M.Sc.		Telephone and Internet Expenses	25,000
Xerox / Revaluation Fees/ Late Fees etc.	47,000		
Duplicate ML/Correction/Forms etc.	5,000		
<b>Total Rs.</b>	<b>26,70,100</b>	<b>Total Rs.</b>	<b>26,00,000</b>

### Agenda 4 : Results of Winter 2023 Examination

Member Secretary informed the Governing Body about the Winter 2023 examination results under autonomy. Additionally, the Secretary shared the comparative results for the last three years. The Governing Body took a note of the information. The Chairman, Shri. Sanjay Bhargava, suggested that the concerned Head/Coordinator of the department should be asked to provide a self-explanatory note wherever the result is below 60%.



### UG Sem I Winter 2023 Examination result under NEP

Sem I	B.Sc. Botany	B.Sc. Chemistry	B.Sc. Electronics	B.Sc. Micro.	B.Sc. Maths	B.Sc. Physics	B.Sc. Zoology
% of Passing	65.12	61.97	40	89.29	44.83	52.17	68.42
Enrolled	43	71	15	28	29	23	38
Pass	28	44	6	25	13	12	26
Distinction	2	11	0	7	2	2	2
First Class	20	23	3	18	9	4	18
Second Class	6	10	3	0	2	6	6

### UG Sem III Winter 2023 Examination result Non-NEP

	B.Sc. Sem III	Bot	Chem	Elect.	Micro.	Maths	Phy.	Zoo	BT	C.S.
% of Passing	49.06	81.03	59.35	70.83	67.19	40.74	48.78	76.27	62.07	68
Enrolled	159	56	118	22	61	51	37	58	29	25
Pass	78	47	73	17	43	22	20	45	18	17
Distinction	11	5	8	1	7	2	3	12	3	2
First Class	40	26	28	10	25	6	6	17	7	6
Second Class	27	16	36	6	11	9	11	16	8	9
Third Class	0	0	1	0	0	5	0	0	0	0

### UG Sem V Winter 2023 Examination result Non-NEP

	B.Sc. Sem V	Bot	Chem	Elect.	Micro.	Maths	Phy.	Zoo	BT	C.S.
% of Passing	52.49	67.65	66.18	50	73.85	45.71	52.46	65.45	52.94	54.17
Enrolled	181	66	132	28	64	59	55	51	34	24
Pass	95	46	90	15	48	32	32	36	18	13
Distinction	13	4	23	2	10	2	5	11	1	2
First Class	43	27	30	8	17	4	12	13	9	6
Second Class	39	15	37	5	21	14	15	12	8	5
Third Class	0	0	0	0	0	12	0	0	0	0

### PG Sem I Winter 2023 Examination result under NEP

Sem I	M.Sc. Botany	M.Sc. Chemistry	M.Sc. Micro.	M.Sc. Math.	M.Sc. Zoology
% of Passing	75	86.36	52.94	66.67	100
Enrolled	16	22	17	6	8
Pass	12	19	9	4	8
Distinction	1	4	1	1	2
First Class	9	15	8	3	6
Second Class	2	0	0	0	0

## PG Sem III Winter 2023 Examination result Non-NEP

Sem I	M.Sc. Botany	M.Sc. Chemistry	M.Sc. Micro.	M.Sc. Math.	M.Sc. Zoology
% of Passing	83.33	72.73	85	55	100
Enrolled	12	22	20	20	12
Pass	10	16	17	11	12
Distinction	3	3	1	0	4
First Class	6	13	15	3	8
Second Class	1	0	1	8	0

### Comparative result of last three years of B.Sc. Part I to Part III

Year	B.Sc. I		B.Sc. II		B.Sc. III	
	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI
2020-2021	78.15	93.02	96.37	85.26	98.71	99.01
2021-2022	69.57	16.08	88.48	26.67	97.23	52.00
2022-2023	29.20	38.78	26.34	28.92	40.17	51.85
2023-2024	62.35 (NEP-2020)	..	49.06	..	52.49	..

### Subject wise comparative results of last three years of B.Sc. Part I

S.N.	Subject	2020-2021		2021-2022		2022-2023		2023-2024	
		Sem I	Sem II	Sem I	Sem II	Sem I	Sem II	Sem I (NEP-2020)	Sem II
01	English	98.12	98.83	91.94	77.08	84.26	85.19	&	
02	Marathi	100.00	99.36	89.57	83.66	71.21	74.36	&	
03	Hindi	98.44	100.00	96.23	68.18	58.97	81.82	&	
04	Suppl. English	97.37	97.22	89.47	78.18	75.61	88.57	&	
05	Maths	97.22	100.00	90.63	24.42	41.89	49.21	54.17	
	Maths (M)	--	--	--	--	--	--	52.94	
06	Physics	100.00	98.84	92.21	12.86	29.41	39.13	89.47	
	Physics (M)	--	--	--	--	--	--	57.14	
07	Chemistry	95.77	95.68	95.43	30.48	46.45	60.00	76.56	
	Chemistry (M)	--	--	--	--	--	--	80.49	
08	Botany	96.55	98.96	94.85	18.18	48.68	52.11	97.50	
	Botany (M)	--	--	--	--	--	--	100.00	
09	Zoology	96.63	97.73	76.84	27.91	42.11	58.21	73.68	
	Zoology (M)	--	--	--	--	--	--	65.00	
10	Microbiology	97.18	98.55	86.21	26.83	35.62	51.52	92.86	
	Microbiology (M)	--	--	--	--	--	--	80.00	
11	Electronics	78.18	100.00	81.82	05.71	42.31	25.93	78.57	
	Electronics (M)	--	--	--	--	--	--	42.86	
12	Comp Sci. (M)	87.10	100.00	93.94	34.48	62.07	67.86	70.00	
13	Biotechnology(M)	95.35	100.00	91.67	22.22	34.15	47.37	92.00	

\*M = Minor subject



### Subject wise comparative result of last three years of B.Sc. Part II

SN	Subjects	2020-2021		2021-2022		2022-2023		2023-2024	
		Sem III	Sem IV	Sem III	Sem IV	Sem III	Sem IV	Sem III	Sem IV
1	Maths	98.94	98.95	99.04	56.31	37.50	36.36	40.74	..
2	Physics	100.00	82.67	100.00	47.62	33.33	45.76	48.78	..
3	Chemistry	100.00	98.92	92.57	31.18	30.38	36.50	59.35	..
4	Botany	100.00	76.40	92.31	38.37	47.56	52.86	81.03	..
5	Zoology	100.00	100.00	95.00	35.06	61.11	41.07	76.27	..
6	Micro.	100.00	100.00	94.03	32.84	43.84	52.94	67.19	..
7	Electronics	89.13	100.00	92.73	32.00	47.06	41.94	70.83	..
8	Comp.Sci.	100.00	100.00	100.00	37.50	34.48	60.00	68.00	..
9	Biotech.	98.00	100.00	97.44	41.67	33.33	41.86	62.07	..

### Subject wise comparative result of last three years of B.Sc. Part III

S.N.	Subjects	2020-2021		2021-2022		2022-2023		2023-2024	
		Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI
1	Maths	100.00	98.98	100.00	76.34	60.22	74.73	45.71	
2	Physics	100.00	98.80	100.00	77.03	51.90	79.75	52.46	
3	Chemistry	100.00	99.16	97.89	60.43	55.62	56.77	66.18	
4	Botany	100.00	100.00	98.91	55.68	42.35	49.33	67.65	
5	Zoology	100.00	100.00	97.78	63.95	46.05	57.38	65.45	
6	Micro.	100.00	100.00	97.59	54.88	47.54	65.57	73.85	
7	Electronics	91.18	97.92	100.00	55.56	43.14	44.90	50.00	
8	Comp.Sci.	100.00	100.00	100.00	66.67	61.90	75.00	54.17	
9	Biotech.	100.00	100.00	100.00	53.85	47.37	71.79	52.94	

### Subject wise comparative result of last three years of M.Sc. Part I

S.N.	Subject	2020-2021		2021-2022		2022-2023		2023-2024	
		Sem I	Sem II	Sem I	Sem II	Sem I	Sem II	Sem I (NEP-2020)	Sem II
1	Botany	100.00	90.91	87.50	0.00	18.75	92.31	75.00	--
2	Chemistry	95.83	100.00	100.00	52.00	75.00	75.00	86.36	--
3	Micro.	100.00	100.00	84.62	46.15	72.73	94.74	52.94	--
4	Zoology	96.00	100.00	100.00	14.29	42.11	64.71	100.00	--
5	Maths	100.00	100.00	92.00	40.00	37.50	68.75	66.67	--

### Subject wise comparative result of last three years of M.Sc. Part II

S. N.	Subject	2020-2021		2021-2022		2022-2023		2023-2024	
		Sem III	Sem IV	Sem III	Sem IV	Sem III	Sem IV	Sem III	Sem IV
1	Botany	100.00	100.00	100.00	47.37	90.91	72.73	83.33	--
2	Chemistry	100.00	100.00	95.65	69.57	85.00	75.00	72.73	--
3	Micro.	100.00	100.00	96.15	65.38	54.17	70.83	85.00	--
4	Zoology	95.45	100.00	95.45	77.27	75.00	86.67	100.00	--
5	Maths	--	--	100.00	69.23	70.59	88.24	55.00	--

## Agenda 5 : Achievements / Activities of the Students / College :

Governing body noted the following information provided by the Member Secretary about the achievement and activities of the college under various areas.

### **Training and Placement –**

<b>Sr. No.</b>	<b>Company Name</b>	<b>No. of students placed 2023-24</b>	<b>Students Name</b>	<b>Per annum package (Amount in Rs.)</b>
1	TCS BPS	11	1) Sanket Vinodrao Bhoyar 2) Nidhi Shivkumar Singh 3) Siddhi Rajendra Borikar 4) Vaibhavi Ganeshrao Khode 5) Neha Gajanan Sawale 6) Shivani Sunil Shriwas 7) Vaibhav Pramod Shelke 8) Riya Arvindrao Urkande 9) Mrunali Ramkrishna Kohale 10) Janhvi Kishorrao Deshmukh 11) Shital Sureshrao Aglave	127920/-
2	Bajaj Auto Cread (Campus placement) (CPBFI)	5	1) Jay Pundalik Pokale 2) Siddhant Narendra Bhagat 3) Achal Pramod Tamgadge 4) Pallavi Kishor Kewate 5) Tanvee Sanjay Kalmeghe	409004/-
3	Paytm (CPBFI)	1	1) Shruti Satone	407004/-
4	Solar industry Pvt. Ltd.	5	1) Pragati Satish Barod 2) Vaishnavi Vikas Dani 3) Shweta Sharadrao Magar 4) Sameer Anand Dubey 5) Tushar Kale	334900/-
5	Genworks Health Private Limited	1	1) Mr. Bhumik Vinayak Patil	204000/-
6	Dharamitra – An Eco-Technology Resource Centre for Ecological Agriculture and Sustainable Development	1	1) Harish Umate	300000/-
7	Ankur seed	1	1) Ms. Roshani Ramesh Bhosale	180000/-
8	Future Focus Infotech Pvt. Ltd. Pune	1	1) Janhvi Kishorrao Deshmukh	300000/-
	<b>Total</b>	<b>26</b>		

### On Job Training Programme for P.G. Students :

Students of M.Sc. completed “On Job Training” (OJT) during 23/12/2023 to 31/12/2023.

Department	No. of Students	OJT Agency / Company / Place
Chemistry	03	Varda Agro Processing Pvt. Ltd. Nimgaon-Dahegaon, Wardha
	05	MGIRI, Wardha
	04	Haldiram Foods International Pvt. Ltd. Nagpur.
	03	Allmpus Laboratories Pvt. Ltd. Amravati
	07	Unicel Engineering Pvt. Ltd., MIDC, Wardha
Microbiology	02	Ramkrishna Bajaj College of Agriculture, Wardha
	02	Varda Agro Processing Pvt. Ltd. Nimgaon-Dahegaon, Wardha
	02	SKR Agrotech, Pvt. Ltd. Wardha
	02	Rashi Diagnostic Laboratory, Wardha
	02	Amey Pathology Laboratory, Wardha
	02	Sai Clinical Laboratory, Wardha
Mathematics	06	Bajaj Science Center, Wardha
Zoology	08	Ayursh Herbal Honey, Wardha
Botany	16	Ramkrishna Bajaj College of Agriculture, Wardha
<b>TOTAL</b>	<b>64</b>	

### Students’ participation in National level events :

- Ms. Sanskruti Gajanan Petkar selected and participated as ‘Female NSS Volunteer’ for the 2024 Republic Day Parade Camp held at New Delhi from 1<sup>st</sup> January to 31<sup>st</sup> January, 2024.

### Students’ participation in state level events :

- ‘Maharashtra Student Innovation Challenges’ was organized in October 2023 through the Maharashtra State Innovation Society to embody the innovations of students in the state. 15 innovative ideas from Bajaj Science College were presented in this competition. Best two ideas of the students, 1) Shri Sameer Anand Dubey (MSc) and 2) Harshal Ravindra Deshmukh / Neha Bhagat (BSc) won district level prize. They received a seed capital fund of Rs. one lakh each.
- Students of B.Sc. Sem VI presented their research idea successfully at ‘District Level Avishkar 2023-24’ at Shri Shivaji Science College, Nagpur, on 16<sup>th</sup> December 2023. Ms. Disha Sojrani & Mr. Roshan Fukat were selected for state level Avishkar.
- Cultural Committee in association with Department of Biotechnology and Students’ Council, BCS, Wardha organized Online State Level ‘Paper Craft Making Competition’ on 30<sup>th</sup> October 2023. Total 11 participants participated in competition. Our students Mahamaya S. Shambaharkar and Mouly S. Kant won first prize and third prize winner was Miss Mrunali N. Tarale.
- Ms. Saksham Bhagat and Mr. Gitesh Dhankate students of B.Sc. II participated in the ‘State level seminar competition 2023-24’ organized by department of Chemistry, S.K. Porwal College, Kamphthi on 14/03/2024. In this competition, Mr. Gitesh Dhankute secured Second Prize while ms. Saksham Bhagat received consolation prize.

### Students’ participation in Interuniversity level events :

- Students participated in ‘Vidharba University Physics Teachers Association (VUPTA) Seminar Competition’ organized by Gondwana University at Government Science College Gadchiroli during 24<sup>th</sup> -25<sup>th</sup> February 2024. Two Students Roshan Fukat (Sem-VI) and Mitali Daware(Sem-IV) won prizes in Poster competition, Seminar Competition and Elocution Competition.
- Ms. Saksham Bhagat (BSc Sem IV) bagged first prize in oral presentation competition in UG category, and Mr. Rohit Bharadwaj and Mr. Prashik Fulmali received the third prize in the poster presentation competition held on the occasion of Wetland Day on 02 February 2024, organized by Shri Shivaji College of Arts, Commerce and Science College, Akola.
- Miss Chanchal Nanhe, Miss Pranjali Bhojar and Miss Mayuri Kapse from Sem IV won the 2<sup>nd</sup> prize worth Rs. 3000 for wall making competition in science fiesta organized by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur on 28<sup>th</sup> and 29<sup>th</sup> February 2024.

### **Students' participation in Intercollegiate / other level events :**

- Ms. Prajakta Mukulwar, Ms. Sayali Shende and Ms. Rutuja Wandare won the consolation prize in the 'Innovative Idea Competition Maharashtra Students Innovation Challenge 2024' organized by Bajaj College of Science in association with Maharashtra State Innovation Society and Skill Employment, Entrepreneurship and Innovation Department Wardha.
- Miss Disha Sojrani secured first prize, Miss Trupti Pahurkar secured second prize and third prize winner was Mast.Hitesh Chaudhari in Elocution Competition under 'Jal Jeevan Mission' organized by Water Supply Division Zilla Parishad Wardha on 20/12/2023.
- Ms. Rutuja R. Kadu, Ms. Purva V. Pandavkar and Ms. Achal V. Chichate participated in Essay Competition organized by Dhanwate National College, Nagpur. Ms. Rutuja R. Kadu got Second prize in the Essay Competition 23 to 27 December 2023.
- Mr. Gitesh Dhankute participated in the Debate Competition organized by Dhanwate National College, Nagpur on 23 to 27 December 2023.
- Cultural Committee in association with RICH Club BCS, Wardha organized online 'Rangoli Competition' on 8<sup>th</sup> March 2024. Total 26 participants participated in competition. Miss Palak Mohadure won first prize, Miss Shruti B. Nirwan won second prize and third prize winner was Miss Janhavi Salodkar.
- Ms. Saksham Bhagat and Mr. Gitesh Dhankate students of B.Sc. participated in UG level 'Intercollegiate seminar competition 2023-24' organized by Department of Chemistry, Shri. Mathuradas Mohota College of Science, Nagpur. In this competition Ms. Saksham Bhagat secured First prize. on 24/02/2024
- Cultural Committee in association with CWSS BCS, Wardha organized 'Mehendi Competition' on 9<sup>th</sup> March 2024. Total 18 participants participated in competition. Miss Bushra Pathan won first prize, Miss Aaliya Nazz Sayyad Ansar won second prize and third prize winner was Miss Sakshi N Nimje.
- Mr. Ishwar Gujarkar and Sakshi Kadu participated in 'Shivotsav Essay Competition' organized by Rhunanubandha foundation to celebrate the 350<sup>th</sup> year of Shri. Shivaji Maharaja's Rajyabhishek 2023-24.

### **Students' participation in National level Sports events :**

- Ms. Tejaswini S. Yuvnathe (B.Sc.III) represented Maharashtra Ball Badminton Women Team in WEST ZONE National Ball-Badminton championship (Men & Women) 2023-24 held at Ahmedabad (Gujrat) during 21<sup>st</sup> to 23<sup>rd</sup> March 2024 and secured SILVER Medal.
- Miss. Asawari Sanjay Deshmukh (B.Sc. I) represented Maharashtra state in all India Independence Karate Competitions held at Delhi and won Gold and Silver medal.
- Ms. Purva Vijay Pandavkar (B.Sc.III) represented RTMNU (WOMEN) team in West Zone Inter University Handball Championship held at UDAIPUR (RAJASTHAN).Organized by Mohanlal Sukhadia University, Udaipur. The competition was held during 19<sup>th</sup> January to 23<sup>rd</sup> January 2024
- Mr. Anuj Mohan Thakare (B.Sc.III) represented RTMNU (MEN) team in West Zone Inter University Handball Championship held at SAGAR (M.P.).Organized by Dr. Harising Gour Vishwavidyalalya Sagar,(M.P.). The competition was held during 10<sup>th</sup> January to 13<sup>th</sup> January 2024
- Mr. Abhishek Anil Sonawane (B.Sc.III) represented RTMNU WUSHU (MEN) team in All India inter university WUSHU championship held at Jammu Organized by University of Jammu held during 13<sup>th</sup> February to 17<sup>th</sup> February 2024
- Mr. Guruprasad Mohanrao Satone (B.Sc.II) selected to represent RTMNU Ball-Badminton (Men) team in All India inter university Ball-Badminton championship held at Bangluru Organize by Bangluru North University.
- Ms. Bushra Nasir Pathan and Utkarsha Janardhan Sahare (B.Sc.II) represented RTMNU Ball-Badminton (Women) team in All India inter university Ball-Badminton championship held at Chennai organized by Anna University during 21<sup>st</sup> to 24<sup>th</sup> March 2024.

- Mr. Nishant Dharmpal Yadav (B.Sc.II) selected to represent RTMNU Ball-Badminton (Men) team in All India inter university Ball-Badminton championship held at Bangluru Organize by Bangluru North University.

### **Students' participation in State/University level Sports events :**

- Ballbadminton Women Team participated in Intercollegiate BALL-BADMINTON (women) tournament under RTMNU, Nagpur during 26<sup>th</sup> to 27<sup>th</sup> February 2024 and secured SILVER Medal.
- Miss. Asawari Sanjay Deshmukh represented Wardha District for KSRFI Open Gold Cup Karate Competition at Nanded and won Gold and Silver Medal in the competitions.
- Ballbadminton Men Team participated in Intercollegiate BALL-BADMINTON (Men) tournament under RTMNU, Nagpur during 26<sup>th</sup> to 27<sup>th</sup> February 2024 and secured SILVER Medal.
- Ms. Purva Vijay Pandavkar (B.Sc.III) represented Wardha district handball women Team to represent 50<sup>th</sup> Maharashtra State senior Handball championship (Women) 2023-24 held at Chalisgaon, Dist. Jalgaon On dated 23<sup>rd</sup> to 25<sup>th</sup> February 2024.
- Two students of B.Sc. I, eight students of B.Sc. II and one student from B.Sc. III year represented Wardha District Team in 67<sup>th</sup> Senior maharashtra State Ball-Badminton Championship (Men & Women) 2023-24 held at Vasmat, Dist. Hingoli. during 26<sup>th</sup> December to 29<sup>th</sup> December 2023
- WUSHU Men Team participated in Intercollegiate Wushu (MEN) tournament under RTMNU, Nagpur was held during 31<sup>st</sup> January 2024 to 1<sup>st</sup> February 2024.

### **College activities for students :**

- Conducted College level Quiz competition "Molecule Mania Championship" held in the month of October 2023.
- Career Guidance & Competitive Examinations cell organized Orientation program for Competitive examinations (UPSC & MPSC) in association with Unique Academy, Pune, on 20<sup>th</sup> October 2023.
- Workshop on "Career in Waste Management" was organized by Department of Biotechnology, Bajaj College of Science, Wardha on 27<sup>th</sup> October 2023. Dr. Ashish Polkade, Founder, Bharat Eco Solutions and Technologies, Pvt. Ltd. Pune and Mr. Suraj Bhagat, Certified Career Counsellor, Founder Rising India Pune were the guest speaker.
- NSS Unit of Bajaj College of Science, Wardha in association with Sewashram Balgruh, Wardha organized "UMMID KA DIYA" Exhibition cum Selling of "Diwali Diyas" made by little kids of Sewashram Balgruh on 30/10/2023.
- Celebrated Constitution Day on 26/11/2023.
- Center for Women Studies and Services (CWSS) Bajaj College of Science, Wardha organized an Awareness Program on "Sexual Harassment and Gender Discrimination Atrocity" on 6<sup>th</sup> December 2022.
- NSS camp was held at Belgaon (Zadgaon) during 25/12/2023 to 31/12/2023. Fifty three undergraduate students participated in the residential camp.
- To Create Awareness about library resources and to develop reading habit among students a Book Exhibition was organized at Dr. Damle Library on 01.02.2024

### **Research Innovation Curricular Hours (RICH) Club**

“Research Innovation Curricular Hour” (RICH) Club was established on 21<sup>st</sup> March 2022 to promote proformed academic ecosystem among the students and to motivate them to think on novel ideas. In all, 38 UG & PG students are selected as a functional group members in the core body of RICH one from each class for 2023-2024. There is one teacher mentor from each department to monitor and facilitate the activities.

### **Activities carried out under RICH Club 2023-2024.**

- Last Week of February-2024 was celebrated as National Science Week with following activities –
  - Impact lecturer series on “Pathways for Quality Innovation and Entrepreneurship in Green Industry and Agriculture” was arranged on 27<sup>th</sup> February 2024. Prof. B. L. Chaudhari (Director,

KCIL, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon) Shri. A. L. Wadurkar (Master Trainer in SOP, Industry Management Consultant, Wardha were the resource persons.

- ‘Contech 2023-24’ and ‘Chemiad 2023-24’ exams were conducted by department of Chemistry on 23/02/2024 and 25/02/2024 respectively.
- ‘Biogenius competition 2024’ was organized by department of Zoology on 23/02/2024
- Department of Physics organized an online quiz competition on the theme ‘Impact of Science on Human Life.’ on 28/02/2024. Hundred students from all over India participated in the event.
- Guest lecture on ‘Advances in Biocontrol’ was organized by department of Microbiology on 27/02/2024. Dr. S.V. Patil, School of Life sciences, KBCNMU, Jalgaon was the resource person.
- Zoological and Botanical Societies in association with Rich Club and IIC, organized a ‘Nature Walk’ on the occasion of National Science Day. The venue of the walk was Biodiversity Park. BSc., MSc. and Ph.D. students along with teachers and staff participated in the event.
- Seminar and Poster Competition was organized by department of Chemistry on 28/02/2024.
- To test students’ Computer Coding Skills ‘Blind Coding Competition’ was organized by department of Computer Science and Electronics on 28/02/2024.
- Model Competition and Exhibition was organized by department of Zoology and Botany on 28/02/2024. Ms. Aakanksha Kale, M.Sc. II won third prize in this competition.
- Online Quiz Competition on General Biotechnology was organized by department of Biotechnology on 28/02/2024.
- "Workshop on Science Behind Musical Instruments" was organized by department of Physics to make the students aware about various musical instruments, their construction and the methodology of working.
- ‘National Photo Essay Competition -2024’ was organized by Department of Physics , BCS in association with Indian Association of Physics Teachers (IAPT). This activity was arranged to improve creative thinking and innovative ideas among the students.
- Seminar competition on " Why Chemistry Matters" in association with Chemical Society was organized
- Mathematical Model and Poster Making Competition on 2<sup>nd</sup> March 2024 was organized by department of Mathematics.

### **Institution Innovation Council (IIC)**

College has framed MoE’s Institution Innovation Council (IIC) to systematically foster the culture of innovation, to engage faculty and students in various innovation and entrepreneurship related activities. Office bearers of Council were appointed for 2023-2024.

### **Select highlights of IIC For 2023-2024**

- College has retained two star (\*\*) rating during IIC-5
- Received Impact Lecture Series Grant of Rs. 20000/-

### **Activities carried out under IIC from October 2023 to March 2024 :**

- Impact Lecture Series on “Pathways for Quality Innovation and Entrepreneurship in Green Industry and Agriculture” on 27 Feb 2024.
- Online quiz competition on National Science Day 2024.
- Session on ‘Awareness Regarding Innovation and Entrepreneurship among the students on 12<sup>th</sup> Feb 2024.
- Two days Workshop on “Design Thinking, Critical Thinking and Innovation Design” on 30-31 January 2024.
- Celebration of Viksit Bharat@2047 Utsav in Campus by conducting Webcast of Inaugural Speech of Hon’ble Prime Minister of India on 14th December 2023

- Celebration of Energy Conservation Day on 14th December 2023
- Participated IIC Regional Meet at Raisoni Engineering College, Nagpur on 13th December 2023
- Innovation Day "Vachan Prerana Divas" Celebration on 14 Oct. 2023.
- Organized "My Story : Motivational Session" by Successful Entrepreneur Mr. Abhishek S. Acharya, Director, Dizviz Production, Nagpur.

Members of the Governing Body appreciated the efforts of the College.

### **Agenda 6 : Research Activities :**

The member secretary informed the house about ongoing research activities including awards and recognition, Research Projects and Grants Received, Seed Money Provided to Teachers, PhD Supervisors, PhD Registered, PhD Submitted, Research papers in the SCI Journals, Books and Chapters in Books Published by faculties, faculty participation in seminars/conferences and symposia, Revenue generated from consultancy and Number of functional MoUs.

The activities are as under :

### **Award and Recognition:**

- Dr. B. V. Mohite has been recognized as **one of the top 2% Most Influential Scientists of 2022** by Stanford University. (<https://insights2techinfo.com/top-2-most-influential-scientists-single-year-in-2022-stanford-university-list-analysis-of-indian-researchers/>)
- Dr. P. A. Saudagar won the **Best Oral Presentation Award** for title "Integrated Fuzzy Logic Controller for Temperature Control" at National Conference on "Recent Advancements in Science & Technology" organised by Vidya Bharati Mahavidyalaya, Amravati on 10<sup>th</sup> February 2024
- Dr. Bhavana V. Mohite won **Best Oral Presentation Award** for title "Mosquito free environment with Agro waste cultivated Metarhizium sp. Formulation" at Interdisciplinary National Conference on Scientific approaches for sustainable development organised by Wilson College Mumbai on 5<sup>th</sup> December 2023.
- Dr. Mayur G. Ingale won the **Best Oral Presentation Award** for title "Studies on antimicrobial activity of Opuntia ficus-India L. Cladode extracts against Multidrug resistant Candida parapsilosis isolates and characterization of its bioactive compounds " at Interdisciplinary National Conference on Scientific approaches for sustainable development organised by Wilson College Mumbai on 5<sup>th</sup> December 2023.
- Dr. Ms. M. A. Haque won the **Best Poster Award** at 13<sup>th</sup> National Conference on Thermodynamics of Chemical and Biological Systems organized by Department of Chemistry, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur on 28<sup>th</sup> October 2023.
- Shri. M.G. Ingale was awarded **Ph.D.**, by SGB Amravati University, in November 2023.
- Dr. Kunal Kale received **National Biotech Award 2023 on 20<sup>th</sup> May 2023.**
- Shri. V.B. Garad, is appointed as a **Coach for the All India Inter University Ball Badminton (Women)** tournament for the year 2023-24 held at Chennai by Anna University from 21/03/2024 to 24/03/2024.



## Research Projects and Grants Received

Sr No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator / Co-Investigator (if applicable)	Department of the Principal Investigator/ Co-Investigator	Name of the Funding Agency	Type (Govt./ Non-Govt.)	Funds provided (INR in lakhs)	Duration of the Project
1	"Investigations on larvicidal activity of different green synthesised Nano particles on various genus of mosquitos found in Wardha region".	Mr. Vaibhav Khandwekar (PI), Dr Saikat Biswas(Co-PI)	Zoology	Rajiv Gandhi Science and Technology Commission, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	Government	Second Instalment of <b>0.15</b> lakh received in Oct-2023 (First instalment of 1.2 lakh was received last year, Total sanctioned grant was of 2.0 lakhs)	2 Years
2	"Investigation on nanopreparation of chitosan and chitosan-metal complexes of different molecular weights and their efficacy on sucking pest and leaf/boll eating insects of cotton"	Dr. D. D. Naik (PI), Mr. M. D. Bansinge(Co-PI)	Botany (PI), Chemistry (Co-PI)	Rajiv Gandhi Science and Technology Commission, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	Government	Second Instalment of <b>0.74</b> lakh received in Oct-2023 (First instalment of 2.26 lakh was received last year, Total sanctioned grant was of 3.0 lakhs)	2 Years
3	Development of agro waste based mycopesticide formulation for controlling mosquito population: a scientific effort for rural women empowerment	Dr. Bhavana V. Mohite	Microbiology	Department of Science and Technology, New Delhi.	Government	Second Instalment of <b>2.5</b> lakh received in June-2023 (First instalment of 8.802 lakh was received last year, Total sanctioned grant was of 13.446 lakhs)	3 Years

DST-FIST sanctioned the grant of Rs. 57 Lakhs for recurring and non-recurring expenses out of which Rs.37,49,965.00 was received. However college has spent the amount of Rs. 67,51,931/-. The expenditure above the recived grant i.e. Rs.32 lakh is contributed by the parent institute Shiksha Mandal, Wardha.

Under DST-FIST grant, three instruments, i) Gas Chromatography, ii) CHNS Analyser and iii) HPLC has been purchased, installed and demonstrated (for faculties of college and PG students) successfully.

### Seed Money Provided to Teachers: (2023-2024)

Sr No	Letter Number	Name, Designation and Department of Applicant	Title of the Project	Funds provided (INR in lakhs)
1	BCS/23-24/R&D-Sedd Money/451	Dr. Saikat Biswas Assistant Professor Department of Zoology	Nanotechnology in agriculture: Leveraging nanoparticles as biopesticides against insect pests.	0.65 Lakh

Sr No	Letter Number	Name, Designation and Department of Applicant	Title of the Project	Funds provided (INR in lakhs)
2	BCS/23-24/ R&D-Seed Money/452	Dr. A. A. Maheshwari Assistant Professor Department of Botany	To evaluate phytotoxic effect of essential oils from selected plants against weeds and its possible use as bioherbicide.	0.80 Lakh
3	BCS/23-24/ R&D-Seed Money/453	Dr. Prashant G. Borkar Assistant Professor Department of Chemistry	Mechanistic study of cooperative catalysis between Lewis acid and Brønsted acid in Pictet-Spingler reaction of tryptophol and aldehydes.	0.75 Lakh
4	BCS/23-24/ R&D-Seed Money/454	Dr. Satishkumar Maurya Assistant Professor (CHB) Department of Botany	Isolation of local strains of <i>Beauveria bassiana</i> to understand its molecular diversity and to test their bio-efficacy against various crop herbivorous insects.	1 Lakh
5	BCS/23-24/ R&D-Seed Money/455	Mr. Praful S. Kalwade, Assi. Professor (Contract) Department of Zoology	Investigating the Feasibility of Rearing Silkworms ( <i>Bombyx mori</i> ) on Artificial Diets and use of nanoparticle for Fungicidal activity for Sustainable Silk Production.	0.85 Lakh
6	BCS/23-24/ R&D-Seed Money/456	Dr. Akhil V. Nakhate Assistant Professor Department of Chemistry	Optimizing precious metal atom efficiency: Advancing single-atom palladium catalysts for sustainable C-C cross-coupling reactions in chemical industry.	0.90 Lakh
7	BCS/23-24/ R&D-Seed Money/457	Mr. Nakul A. Barwat Assistant Professor Department of Chemistry	Synthesis of nano-composites for applications in supercapacitors	0.65 Lakh
8	BCS/23-24/ R&D-Seed Money/458	Mr. Manoj D. Bansinge Assistant Professor Department of Chemistry	Adsorption studies of toxic elements on chemically modified agricultural waste and their application in industrial effluent treatment.	0.40 Lakh

**PhD Supervisors: 12 (Newly Approved-1)**

**PhD Registered: 10 (three newly registered)**

Name of the supervisor	Name of the Ph. D. Scholar	Date of registration	Title of the thesis for scholar
Dr. Dhiraj D. Naik	Bhagyashri Umrao Gharjale	18/12/2023	Effect of ambient factor and support host on biomechanical features, chemical defences, and biomass allocation of climbing plants and selection of climbers for green facade cooling effect
Dr. Dhiraj D. Naik	Sheerin Parveen Syed Hussain Ali	18/05/2023	In vitro regeneration and hairy root transformation of <i>Tricosanthes cucumerina</i> L. and <i>Diplocyclos palmatus</i> L. for production of ribosome inactivating proteins and secondary metabolites
Dr. Dhiraj D. Naik	Mohan Tukaram Kapse	16/05/2023	Synthesis, characterization, and the effects of hybrid chitosan nanoparticles on the growth, yield, and improving biotic stress tolerance of legume crops

**PhD Submitted: 1(new)**

Sr. No.	Name of the Ph.D. Scholar	Name of the Guide	Title of the Thesis	Date of Registration	Date of thesis submission
1	Ms. Bhagyashri Umakant Tale	Dr. Pradip V. Tekade	Synthesis, Characterization of Graphene Based Polymer Nanocomposites and Their Application as Solar Cell and Supercapacitor	28/01/2020	27-10-2023

**Research papers in the SCI Journals (Scopus/Web of Science): 3**

Title of Paper	Name of the Author/s	Department of the Author(s)	Name of Journal	Year	ISBN / ISSN Number	Link of the Publication
A Review of Nanostructured Transition Metal Phosphide-Driven Electrocatalytic Oxygen Evolution Reaction	Tarik Aziz, <b>Mahejabeen A. Haque</b> , Sukanta Saha, Biswajit Mondal, Siddarth Jain, and Arnab Dutta*	Chemistry	<b>Energy Fuels</b> , Vol. 37, Issue: 23, <b>Year: 2023</b> , Page No.: 18291–18309	November 2023	0887-0624 (print); 1520-5029 (web)	<a href="https://doi.org/10.1021/acs.energyfuels.3c02773">https://doi.org/10.1021/acs.energyfuels.3c02773</a> <u>(Impact factor-5.3)</u>
Solvothermal single-pot synthesis of Pd-Fe <sub>3</sub> O <sub>4</sub> @GO catalyst: Enhanced catalytic performance in Sonogashira coupling reactions	Mahesh A. Pawar, <b>Akhil V. Nakhate</b> , Samidha S. Kadu, <b>Pradip V. Tekade</b>	Chemistry	Applied Organometallic Chemistry, Feb. <b>2024</b> .	2024	Online ISSN:1099-0739 Print ISSN:0268-2605	<a href="https://doi.org/10.1002/aoc.7405">https://doi.org/10.1002/aoc.7405</a> <u>(Impact factor-4.1)</u>

Title of Paper	Name of the Author/s	Department of the Author(s)	Name of Journal	Year	ISBN / ISSN Number	Link of the Publication
Author Correction: Biogenic synthesis of selenium nanomaterial and its application as anti-nematode booster in Solanum lycopersicum (Tomato)	Pradnya B Nikam, Jitendra D Salunkhe, <b>Bhavana V Mohite</b> , Rakesh S Chaudhari, Satish V Patil	Microbiology	Vegetos, Vol. 36, pp. 1140. <b>April 2023</b>	2023	0972-0030	<a href="https://doi.org/10.1007/s42535-022-00546-5">https://doi.org/10.1007/s42535-022-00546-5</a>  (Impact factor: <u>0.41</u> )

### Books and Chapters in Books Published by faculties: 5

Sr No	Title of The Book /Chapters Published	Name of The Author	National / International	Year of Publication	ISBN/ISSN Number	Name of The Publisher
1	Isolation of Ciliates and Flagellates from Soil. (In Book- Practical Handbook on Soil Protists, 2024, pp. 73-79. <a href="https://doi.org/10.1007/978-1-0716-3750-0_13">https://doi.org/10.1007/978-1-0716-3750-0_13</a> )	<b>Amol D Theng, Bhavana V Mohite</b> , Satish V Patil	International	March 2024	Print ISBN 978-1-0716-3749-4 Online ISBN 978-1-0716-3750-0	Humana, New York, NY
2	Isolation and Enumeration of Mycophagous Protist (In Book- Practical Handbook on Soil Protists, 2024, pp. 81-85. <a href="https://doi.org/10.1007/978-1-0716-3750-0_14">https://doi.org/10.1007/978-1-0716-3750-0_14</a> )	<b>Amol D Theng, Bhavana V Mohite</b> , Satish V Patil	International	March 2024	Print ISBN 978-1-0716-3749-4 Online ISBN 978-1-0716-3750-0	Humana, New York, NY
3	Isolation and Cultivation and Staining of Paramecium (In Practical Handbook on Soil Protists, 2024, pp. 189-194. <a href="https://doi.org/10.1007/978-1-0716-3750-0_32">https://doi.org/10.1007/978-1-0716-3750-0_32</a> )	Satish V Patil, Sunil H Koli, <b>Bhavana V Mohite</b> , Jitendra D Salunkhe, <b>Amol D Theng</b> , Atharv S Patil	International	March 2024	Print ISBN 978-1-0716-3749-4 Online ISBN 978-1-0716-3750-0	Humana, New York, NY
4	Isolation and Cultivation of Euglena (In Practical Handbook on Soil Protists, 2024, pp. 195-200. <a href="https://doi.org/10.1007/978-1-0716-3750-0_33">https://doi.org/10.1007/978-1-0716-3750-0_33</a> )	Satish V Patil, Sunil H Koli, <b>Bhavana V Mohite</b> , Narendra S Salunkhe, Atharv S Patil	International	March 2024	Print ISBN 978-1-0716-3749-4 Online ISBN 978-1-0716-3750-0	Humana, New York, NY

Sr No	Title of The Book /Chapters Published	Name of The Author	National / International	Year of Publication	ISBN/ISSN Number	Name of The Publisher
5	Microorganisms in the Pathogenesis and Management of Pouchitis (In Book- Role of Microorganisms in Pathogenesis and Management of Autoimmune Diseases: Volume II: Kidney, Central Nervous System, Eye, Blood, Blood Vessels & Bowel) <a href="https://doi.org/10.1007/978-981-19-4800-8_14">https://doi.org/10.1007/978-981-19-4800-8_14</a>	Hemant Borase, <b>Bhavana Mohite</b> , Satish Patil, Jemisha Mistry, Mitesh Kumar Dwivedi, Ramar Krishnamurthy	International	2023	Print ISBN 978-981-19-4799-5 Online ISBN 978-981-19-4800-8	Springer, Singapore
6	Review on Current Progress of MnO <sub>2</sub> -Based Nanocomposites for Supercapacitor Application... (In Book-- Innovations and Applications of Hybrid Nanomaterials)	Bhagyashri U Tale, Pradip Tekade	International	2023	ISSN:2327-5448 EISSN:2327-5456	
7	Conducting Polymers: A Review (In Book -Recent Trends in Research in Chemical Sciences)	Bhagyashri U Tale, Pradip Tekade	National	2023		

#### Faculty participation in Seminars/Conferences and Symposia: (2023-2024)

No. of Faculty	International level (number)	National level (number)	State level (number)	Local level (number)
Attended Seminars/Conferences/Workshops	12	8	0	0
Presented papers	10	8	0	0

**Revenue generated from consultancy: Rs. 1,20,000/- (XRD and FTIR Spectrophotometer)**

#### Number of functional MoUs : 12 New MoU's

Sr No	Organization with which MoU/Collaboration/Linkage is signed	Date of Signing	Duration (validity)	Purpose of MoU
1	Cleanchem Laboratories LLP, Mumbai	20 <sup>th</sup> Oct. 2023	Until terminated by either party.	To explore the possibility of Placement and Internship of Students
2	Jamnallal Bajaj Seva Trust (JBST), Wardha	7 <sup>th</sup> February 2024	Until terminated by either party.	To establish collaboration to enhance quality of science education among rural students
3	Minimines Cleantech Solutions Pvt. Ltd., Bengaluru, Karnataka.	12 <sup>th</sup> August 2023.	12 months from date of signing	To explore collaboration for innovation, startup and entrepreneurship
4	Anand Niketan College, Warora.	1 <sup>st</sup> Sept. 2023	31 <sup>st</sup> August 2028	To explore the possibility of research and training for stake holders of both the organizations
5	Infilux Illuminations Pvt Ltd. Nagpur	1 <sup>st</sup> Dec. 2023	10 Years from signing date	Exchange of faculty and students for research and training

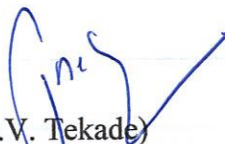
6	Incubein Foundation, Busniess Incubation Center, RTM Nagpur University Campus, Nagpur.	26 Dec 2023	3 years	Development of Incubation Sub-Centre at College
7	Bajaj Institute of Technology, Wardha.	25 <sup>th</sup> August 2023	Until terminated by either party	Exchange of faculty and students for research and training
8	Ayush Herbal Honey Wardha	7 <sup>th</sup> Dec. 2023	5 years till 2027-2028	To provide on-the-job training opportunities for students
9	Urvi Transformer Pvt. Ltd., MIDC, Wardha	19 <sup>th</sup> Oct. 2023	5 years	Exchange of faculty and students for research and training
10	Brijlal Biyani Science College, Amravati	20 <sup>th</sup> Oct. 2023	Until terminated by either party	Joint venture for organizing workshops and students / faculty exchange programme
11	Bharat Ecosolutions Technology, Pune.	27 Oct 2023	5 Years	Exchange of faculty and students for research and training
12	Rising India, Pune.	17 Jan 2024	5 Years	Joint venture for organizing workshops and training for students / faculty


Governing body noted the information provided by the Member Secretary.

**Agenda 7 : Any other points with the permission of the Chair :**

Professor P.V. Tekade informed the house that the college has received laboratory equipment as a donation from the Tuka Wardhan Foundation in Wardha. The equipment includes Aquoion TBD 100 Two bed Dimineraliser and Eppendorf Minispin centrifuge. He extend thanks to Professor Dr. Sujata Bhargava, Director of the Tuka Wardhan Foundation, for their valuable academic support.

The meeting was concluded after vote of thanks by the Member Secretary.

  
(Prof. P.V. Tekade)  
Member Secretary

  
(Shri. Sanjay Bhargava)  
Chairman