

*K. Z. S. Science College, Bramhani, Kalmeshwar*

# DEPARTMENT OF CHEMISTRY

Department at a Glance

Curriculum, Curricular and Research



SINCE 1992


## **DEPARTMENT OF CHEMISTRY**


**(Established in the Year - 1992)**


The Department of Chemistry, of this college established in the year 1992, offers undergraduate leading to the B.Sc. degree, awarded by the RTM Nagpur University. In addition, experienced faculty of the Department is devoted to research in their respective areas of specialization. Extra care is taken to pay individual attention to the students in their laboratory work. Project work and problem sessions are encouraged to develop innovative and analytical approach to learning. Topical seminars by students are arranged to create study awareness amongst students. The excellent text books for the B. Sc. course have been written by the faculty members and published by publishing houses. These books are followed and prescribed by institutions affiliated to RTM Nagpur University.

The members of the faculty work as a team, thereby providing a healthy academic atmosphere.


## 1. Teaching Staff Information

<b>1. Dr. A. P. Ganorkar (Head of the Department)</b>	
<b>Designation:</b> Assistant Professor (Since 22/11/1994)	
<b>Qualification:</b> M. Sc. (Chemistry) Ph. D	
<b>Specialization:</b> Inorganic Chemistry	
<b>Research Work:</b>	
<b>Date of Ph. D degree awarded:</b> 30/08/2006	
<b>Research area:</b> ion Exchange Resins, Kinetics, Polymer.	
<b>Ph. D. Topic:</b> "Quantitative Evaluation of Some Ion Exchange Resins.	
<b>Publications</b>	
Papers in International Journal: 10	National Journal : Nil.
Papers in Conferences: 16	
Books Published: 03	
Books Edited : 01	
<b>Research Project/s:</b> 1 MRP funded by UGC during 2013-2015 of Rs. 70000/-	

<b>2. Dr. R. H. Gupta</b>	
<b>Designation:</b> Assistant Professor (Since 19/02/1998)	
<b>Qualification:</b> M. Sc. (Chemistry) Ph. D	
<b>Specialization:</b> Organic Chemistry	
<b>Research Work:</b>	
<b>Date of Ph. D degree awarded:</b> 18/11/2011	
<b>Research area:</b> Ter polymer	
<b>Ph. D. Topic:</b> Synthesis and Characterization of New Terpolymer Resins and Their Application as Ion Exchangers.	
<b>Area of Interest (Research):</b> Polymer Science	
	Organic Chemistry
<b>Publications</b>	
Papers in International Journal: 7	National Journal: 04
Papers in Conferences: 06	

<b>Research Project/s:</b> 1 MRP funded by UGC during 2011-2013 of 80000 /-	
<b>3.Mrs. A. R. Bijwe</b>	
<b>i) Designation:</b>	Assistant Professor (Since 19/02/1998)
<b>ii) Qualification:</b>	M. Sc. (Chemistry)
<b>iii) Specialization:</b>	Organic Chemistry
<b>Research Work:</b>	
<b>Date of Ph. D degree awarded:</b> 06/11/2015	
<b>Research area:</b>	<b>Heterocyclic compounds</b>
<b>Ph. D. Topic:</b>	<b>synthesis and antimicrobial study of 3-(2hydroxy 3,4-benzophenyl -5-mehoxy ) 5-aryl 1-substituted pyrazolines pyrazole and 4-aroyl derivative of pyrazolines</b>
<b>Area of Interest (Research):</b>	heterocyclic compound Pyrazole compound Pyrazoline compound
<b>Publications</b>	
Papers in International Journal: 07	National Journal: 03
Papers in Conferences: 06	
<b>Research Project/s:</b>	<b>NIL</b>

## 2. Non- Teaching Staff Information

Sr. No.	Name	Designation	
1.	<b>Mr. S.R. Sahastrabudhye</b> Qualification H.S.S.C.	Lab. Attendant (Since 03/04/1997)	

## Teaching of Subject papers and Practicals

Course	Paper - I	Paper - II
<b>B. Sc. SEM I</b>	Inorganic Chemistry	Physical Chemistry
<b>B. Sc. SEM II</b>	Organic Chemistry	Physical Chemistry
<b>B. Sc. SEM III</b>	Inorganic Chemistry	Organic Chemistry
<b>B. Sc. SEM IV</b>	Inorganic Chemistry	Physical Chemistry
<b>B. Sc. SEM V</b>	Organic Chemistry	Physical Chemistry
<b>B. Sc. SEM VI</b>	Inorganic Chemistry	Organic Chemistry

## CHEMISTRY LABORATORY

The chemistry department has well equipped laboratory measuring 750 sq. ft. area. In the laboratory there are **211** students enrolled this year. Laboratory is well equipped with instruments to carry out experiment in Inorganic, Organic and Physical Chemistry as per the syllabus designed by RTM Nagpur University. There are number of major and minor instruments. Practical's of B. Sc. SEM – I, II, III, IV V and VI are according to syllabus.

### Strength of Students:

SN	Year	No. of Students									Total
		B. Sc. I			B. Sc. II			B. Sc. III			
		PCM	CBZ	Total	PCM	CBZ	Total	PCM	CBZ	Total	
01	2015 – 2016	56	53	109	48	50	98	21	09	30	237
02	2016 - 2017	48	56	104	53	47	100	24	25	49	253
03	2017 - 2018	43	64	107	48	52	100	40	40	80	287
04	2018 - 2019	44	65	109	36	54	90	40	43	83	282
05	2019 - 2020	39	65	104	40	67	107	29	30	59	270
06	2020 - 2021	31	50	81	35	59	94	50	82	132	307
07	2021 - 2022	20	51	71	33	47	80	35	65	100	251
08	2022 - 2023	14	53	67	19	46	65	32	47	79	211

**Strength of Students (2022-2023)**

<b>Class</b>	<b>Boys</b>	<b>Girls</b>	<b>Total</b>
<b>B. Sc. SEM I &amp; II</b>	<b>19</b>	<b>48</b>	<b>67</b>
<b>B. Sc. SEM III &amp; IV</b>	<b>14</b>	<b>51</b>	<b>65</b>
<b>B. Sc. SEM V &amp; VI</b>	<b>12</b>	<b>67</b>	<b>79</b>
<b>Total</b>	<b>45</b>	<b>166</b>	<b>211</b>

**Various UGC Grants to the Department:**

Minor Research Projects: Total Grant = Rs. 1, 50,000/-

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