



VSPM Academy of Higher Education
Arvindbabu Deshmukh Mahavidyalaya Bharsingi
DEPARTMENT OF CHEMISTRY



VISION

- Creating, research, intellectual, social qualities in students who show the way to a sustainable future to face diverse and changing world

MISSION

- The Department of Chemistry provides an educational experience by teaching our students the skills and instilling in them the drive to meet the challenges and needs of the future.
- Participating in the process of scientific discovery by encouraging students to engage in scholarly endeavours with the faculty through research.
- Providing quality education to socially and economically backward class.
- To achieve excellence in teaching and research.
- To Bringing about educational and cultural development of rural people.
- To awaken the young minds and discover their talents both in theory and in practical chemistry.
- To develop, enhance, and improve the quality of human resources.

About Department

Chemistry department of college equipped with the all the facility. Department currently running for three years UG course B.Sc. with semester pattern. Department having **05** permanent faculty members which are working for the progress and development of the students. In chemistry there are 120 seats are available for each year and every year 120 students are get admitted for the course. Department having a spacious and well-furnished laboratory for performing experimental work along with this there is instrumental room, store room, staff room, computer, printer etc. all the facilities are available. Department every year focused on performing varying activities for overall development of the students.








Highlights of the Department:

Courses/Programmes:

Courses	Name of course	Specialization	No. of Seats
UG	Bachelor of Science B.Sc. (03 Year Programme) Semester pattern	<ol style="list-style-type: none"> 1. PCM 2. CBZ 	120 Seats (for each year)

Teaching Staff:

Name of faculty	Qualification	Designation	Date of Joining	Specialization	Area of Research	Photo
Dr. Shrikant B. Thakare	M.Sc. Ph.D. NET, SET, B.Ed.	Assistant Professor	07/12/2013	Organic Chemistry	Bio-organic and pharmaceutical chemistry	
Dr. Megha R. Raghuvanshi	M.Sc. Ph.D. B.Ed.	Assistant Professor	09/12/2013	Organic Chemistry	Synthesis of heterocyclic compounds	
Dr. Ramkumar P. Dongre	M.Sc., Ph.D. B.Ed.	Assistant Professor	07/09/2019	Inorganic Chemistry	Organic Synthesis	
Dr. Avinash Ingole	M.Sc. Ph.D.	Assistant Professor	04/09/2019	Organic Chemistry	Material Science	
Mr. Sampat R. Shingda	M.Sc. NET, GATE	Assistant Professor	07/09/2019	Inorganic Chemistry	Organic Synthesis	

Non- Teaching Staff:

Sr. No.	Name	Designation	Qualification
1.	Mr. Manoj Dhoke	Laboratory Assistant	12th Science
2.	Mr. Sachin Makode	Laboratory Attendant	12th Science

Departmental Activities:

Academic Session 2018-19

1. Tree plantation activity organized by department in college premises on dated 01.08.2020
2. Guest lecture organized on topic Nuclear magnetic resonance for B.Sc. Sem. VI students which delivered by Dr. G. B. Pethe, assistant professor, NKSM College Karanja on dated 16/02/2019
3. One day workshop on “soil and water analysis” organized in collaboration with Universal biotech Laboratory, Kalmeshwar on dated 22/01/2019
4. Study tour for the students, visit to the Iris Bio farm at Kalmeshwar on dated 22/01/2019
5. One day workshop on preparation of ointments delivered at department by the students of B-Pharm from Raisonni University Pandhurna
6. Students participated in Swachatta Abhiyan activity organized by NSS department of the college on dated 30/03/2019

Academic session 2019-20

1. Inauguration function and Principal address programme the students of B.Sc. Sem I organized on dated 27/08/2019
2. Teachers day programme and self-governance activity organized on occasion of teachers day on dated 05/09/2021
3. Guest lecture on topic “ Aldehyde and Ketones” delivered by the Dr. Amit Yaul, Assistant professor, NKSM College Karanja on dated 30/09/2019
4. Seminar competition and Group discussion activity has been organized for the students of B.Sc. III year.
5. Science day programme has been organized on dated 28th February 2020

Students’ participation and Prizes in various competitions:

1. Chetana Thombre participated in state level seminar competition on 18th Feb. 2020 at Porwal college Kamthi
2. Priti Chouhan participated in state level seminar competition on 18th Feb. 2020 at Porwal college Kamthi
3. Second prize to Chetana Thombre participated in state level seminar competition on 26th Feb. 2019 at KZS college Kalmeshwar

4. Priti Chouhan participated in state level seminar competition on 26th Feb. 2019 at KZS college Kalmeshwar
5. Nitesh Parate participated in state level seminar competition on 22nd Feb. 2019 at Porwal college Kamthi
6. Ajay Khar pate participated in state level seminar competition on 22nd Feb. 2019 at Porwal college Kamthi

Research Programme:

Minor Research Projects sponsored by UGC

S. N.	Name	Title of Project	Funding Agency	Year of sanction and amount
1.	Nil	Nil	Nil	Nil

Books published by Faculty

Title of the book/chapters published	Name of the author/s	Year of publication	ISBN/ISSN number	Name of the publisher
Text Book of Chemistry	Dr. S.B. Thakare	2021		Dnyan Path Publication
Text Book of Chemistry	Dr. M. R. Raghuvanshi	2021		Dnyan Path Publication

Paper published by Faculty

Title of the book/chapters published	Name of the author/s	Year of publication	ISBN/ISSN number	Name of the publisher
Study of effect of temperature on interaction of 2CA4MBA with BSA at physiological pH: Ultrasonic interferometer	Dr. S. B. Thakare	2021	2322-0015	International Res. J. of Science and Engineering
<i>In vitro</i> Binding Interaction of Isoxazoline Derivative with BSA: Equilibrium, FT-IR, Acoustical and Molecular Modeling Study	Dr. S. B. Thakare	2020	1984-6428	Orbital: The Electronic Journal of Chemistry

Study of interaction of 2CA3MBA with BSA using Ultrasonic interferometer	Dr. S. B. Thakare	2018	2393-8374	International journal of current engineering and research
Adsorption isotherm studies of methylene blue on nano structural polyaniline synthesized by hydrothermal method	Dr. M. R. Raghuvanshi	2021	2322-0015	International Res. J. of Science and Engineering
Synthesis of 3-S-TAG-5cynoamine-2-phenyl-1,2,4 triazole by reflux method	Dr. M. R. Raghuvanshi	2019	2348-7143	International Eresearch journal
Synthesis and biological assay of some substituted thiocarbamide	Dr. M. R. Raghuvanshi	2021	2322-0015	International Res. J. of Science and Engineering
Adsorption isotherm studies of methylene blue on nano structural polyaniline synthesized by hydrothermal method	Dr. A. N. Ingole	2021	2322-0015	International Res. J. of Science and Engineering
Synthesis and biological assay of some substituted thiocarbamide	Dr. A. N. Ingole	2021	2322-0015	International Res. J. of Science and Engineering
1,3,5-Triazines-A comprehensive review of their synthesis and microbial activity	Dr. R. P. Dongre	2021	2322-0015	International Res. J. of Science and Engineering
1,3,5-Triazines-A comprehensive review of their synthesis and microbial activity	Dr. S. R. Singada	2021	2322-0015	International Res. J. of Science and Engineering

Paper presented by Faculty

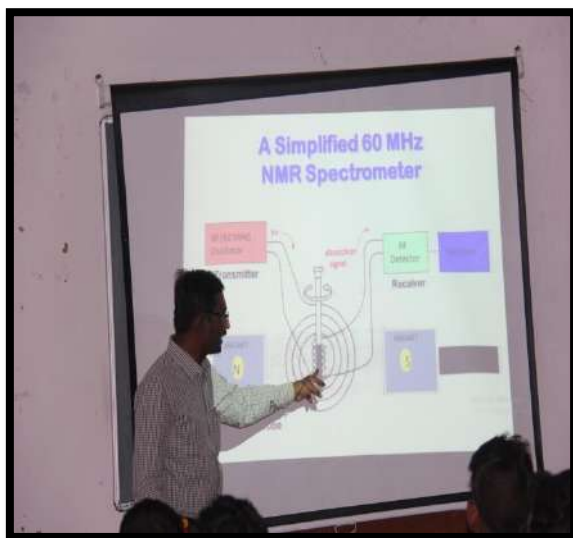
Title of the book/chapters published	Name of the conference	Date of presentation	Name of presenter	Name of the organizers
Study of interaction of 2CA3MBA with BSA using Ultrasonic interferometer	International conference on advanced Material ICMAM	2018	Dr. S.B. Thakare	International journal of current engineering and research
Study of interaction of 2CA4MBA with BSA at different temperature using Ultrasonic interferometer	International Conference on Advanced functional Material	2020	Dr. S.B.Thakare	Kamala Neharu Mahavidyalaya Nagpur
Study of interaction of 2CA4MBA with BSA at different temperature using Ultrasonic interferometer	International Conference on innovative trends in natural and applied science	2021	Dr. S.B.Thakare	M.G. College of Science, Gadchandur
Synthesis and biological study of 1-thiotetraoacetyglycophenasy -N-amido-	National conference on recent advances in science and technology	2019	Dr. M. R. Raghuvanshi	G. S. Gawande college Umarked
Synthesis and characterization of triazole compounds	National conference on new dimensions in chemistry	2019	Dr. M. R. Raghuvanshi	S. G. B. A. U. Amaravati

Gallery

Swachchata Abhiyan at Inderwada:



Guest Lecture:



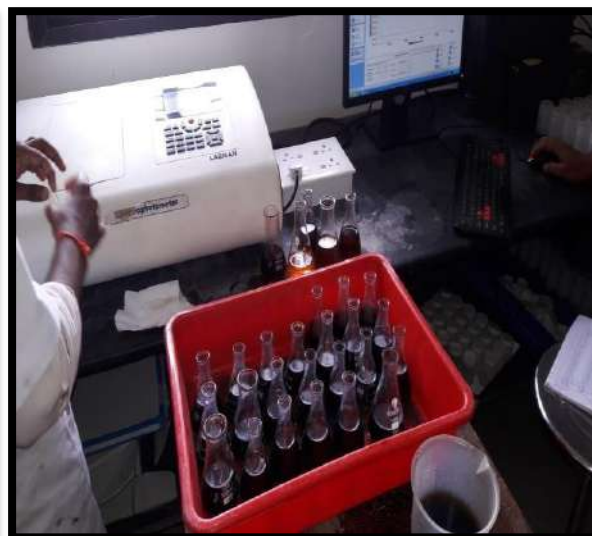
Workshop on Ointments preparation



Tree Plantation:



Workshop on Soil Analysis:



Group Discussion Activity:





Seminar Activity:





Quiz Competition Activity



Science Day Programme

