

SPHATIK 2022-23



KHANDESH COLLEGE EDUCATION SOCIETY'S
POST GRADUATE COLLEGE OF SCIENCE,
ARTS, AND COMMERCE JALGAON

Recognized by Govt. of Maharashtra vide G. R. No. NGC 2010/247/10
Affiliated to K. B. C. North Maharashtra University, Jalgaon
NAAC Accredited B+ grade

Our Source of Inspiration



*Anandyatri Late Dr. Annasaheb G.D. Bendale
Founder President , KCE Society Jalgaon*

Our Driving Force Towards Excellence



Pradnyavant Shri. Nandkumar G. Bendale

President , KCE Society Jalgaon



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council*

is pleased to declare the

KCES's

*Post Graduate College of Science, Technology and
Research, Jalgaon*

Jilha Peth, Dist. Jalgaon, affiliated to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Maharashtra as

Accredited

with CGPA of 2.52 on four point scale

at B⁺ grade

valid up to March 10, 2025

Date : March 11, 2020



S. C. Sharma
Director



Vision

To be the premier source for science and technological education, empowering the youth, especially belonging to the underprivileged sections of society, through quality education by inculcating humanitarian values and enable them to meet the challenges of the contemporary knowledge society.

Mission

- *To install high standards of discipline, ethics and values amongst the future of scientist.*
- *To encourage students to work hard under the meticulous guidance of the eminent teachers.*
- *To make their dream of bright future come true by holding a lucrative job with their overall personality development and improvement in the quality of life.*

Unflinching belief

- *Education is the means to improve the quality of life and to achieve the development of personality*
- *True education is that which allows intellect to grow and affects good thoughts into character building*
- *Education is the means to bring about the best in many for that all round development of mankind*



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and Commerce, Jalgaon**

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University, Jalgaon**

**Awarded 'B+' Grade by NAAC with CGPA 2.52 in 1st
cycle**



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All opinions & thoughts expressed in this magazine belong solely to authors. Publisher, College or society may not be agree with them



Khandesh College Education Society, Jalgaon

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<i>Dr. Sanjay Narayan Bharambe, Principal M. J. College</i>	<i>Member-Ex Officio</i>

Editorial

Dear Students,

It is my privilege to present our annual college magazine “SPHATIK” for the academic year 2022-23.

As a part of curriculum, for smooth conduct of magazine editing and development, an editorial board has been constituted at the very beginning of the year. Since this is the platinum jubilee year of Indian Independence, editorial board has decided the ‘theme’ for magazine as ‘Platinum Jubilee of Indian Independence - Science Contributions’.

Magazine also encompasses departmental reports, activities conducted throughout the year and all the necessary information related to college along with glimpses of few events. Especially, the achievements of students in Avishkar (Science and Innovation Conclave) and sports this year is historic. Truly, it caused magazine to be a mirror, reflecting college at a glance for the concerned people as well as outsiders.

On behalf of editorial board, I am thankful to our visionary management, Principal Dr. V. S. Zope and all my colleagues for providing constant support throughout the process of magazine editing. I would like to express my gratitude towards Prof. S. N. Patil for designing the cover pages for the magazine which are relevant to the theme. I am also grateful to all the students of college from various departments as well as non-teaching staff for their valuable co-operation.

Thank you...!

Dr. Sarang S. Bari!
(Editor)

From Principal's Desk

*It gives me an immense pleasure to note that Editorial board of annual College magazine is bringing out the “**SHPATIK-2023**” in a very beautiful manner of documentation. Learning is a continuous process from the minute we are born, until we die. College provides a platform for every student to develop his learning skills through magazine. As you scan through the pages, it will enlighten you with the important milestones that College has achieved in this year. This magazine is a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their better carrier. The authenticated documentation presented in the **SHPATIK-2023** is a good resource intended for **AISHE** and **AQAR** of the college for academic year 2022-23.*

*The Faculty members are sent to seminars, workshops and Summer schools to improve the skills required. It is a general practice of the college that, the students and staff are encouraged to present papers in Conferences & motivated to take participations in University/College activities like **Avishkar**, **Youth Festival**, **Sports**, **PRS**, **PG-Technologia** etc. which results in bringing glory to the college. The Academic activity is continuously geared up and monitored to cope-up with emerging trends of scientific-technological development and innovations. With this spirit and rhythm being maintained, I am sure the College is going to occupy noticeable place among the Educational Institute of North Maharashtra University region. I am confident that due to decentralization of the college activities into the departmental level, the students of College will get exposure to academic and professional fields which will leave a mark of their services, wherever they go, by exhibiting their sound professional knowledge, unimpeachable character, sense of discipline and commitment.*

*Publishing a magazine is indeed a tedious and requiring great effort. I congratulate Head, Teaching and non teaching staff, editorial board and students for bringing this edition of Magazine, **SPHATIK 2023** in time.*

Prof. (Dr.) V. S. Zope
Principal

Annual Report (2022-23)

KCES's Post Graduate College of Science, Arts and Commerce, Jalgaon established in 2010 which was only postgraduate college in Maharashtra in three disciplines like Science, Arts and Commerce. College has 2(f) recognition by UGC and also accredited by NAAC, awarded with B+ grade. College also accredited through academic audit conducted by affiliated university. IQAC of the college executed various quality initiative activities such as commencement of NPTEL, SWAYAM portal, PG Technologia, Prospective Researchers' Scheme, Skill and Personality Development Programmes, etc.

The program wise student's strength in this academic year 2021-22 is as follows:

Sr. No.	Program	No. of Students enrolled		
		Male	Female	Total
1	M. Sc. Biotechnology	11	28	39
2	M.Sc. Organic Chemistry	32	28	60
3	M.Sc. Analytical Chemistry	35	23	58
4	M. Sc. Microbiology	12	45	57
5	M. Sc. Mathematics	04	15	19
6	M. Sc. Statistics	15	05	20
7	M. Com.	18	13	31
Total		127	157	284

Besides the above academic programs, the college conducts three skills based add on certificate courses out of which two are approved by KBCNMU, Jalgaon under section 181. In which 58 students were enrolled.

PG Technologia: To bring out the creative expression of students and to gauge their knowledge and awareness of various trends in Science and Technology College has conducted competitions on **Letter Drafting and Poster Presentations** on 14th February, 2023. This year 91 students show their hidden talent by participating in this competition. The prizes were awarded at the auspicious hands of Dr. M. Z. Chopda, Department of Zoology, M. J. College, Jalgaon. The competition was coordinated by Prof. S. N. Patil.

Poster Presentation		
Department	Name of the Student	Rank
Mathematical Sciences	Nehete Rakhi Rajesh	1st
	Ingale Trupti Ravindra	2nd
Chemical Sciences	Sharma Sapna Bijendra	1st
	Talele Swati Vilas	2nd
	Patil Pavan Vijay	Consolation
	Tawari Pooja P.	Consolation
Life Sciences	Jadhav Gayatri Kailash	1st
	Rajput Yogendrasigh Narayansingh	2nd
	Mahajan Aishwarya Hemant	Consolation
Letter Drafting		
Rank	Name	College
First	Patil Rutuja Yogendrasingh	PGC (Microbiology dept)
Second	Sharma Sapna Bijendra	PGC (Analytical Chem Dept.)
Third	Suryvanshi Nilesh Ravindra	Bhole College, Bhusawal

Prospective Researchers' Scheme (PRS): To understand the research methodology and basic concepts of research, the College has initiated a research scheme for the budding researchers namely '**Prospective Researchers' Scheme' (PRS)**. This provide platform to the students to experience research culture at college level. This year 82 students from 4 departments completed 23 research projects under the guidance of 13 teachers. The uniqueness of the scheme is that, the research projects are evaluated by the experts in

their field and best research projects are ranked and awarded cash prizes to the students enrolled for PRS. The outcome of the research projects completed by the students is a compendium, 'A compendium of Research Articles by Prospective Researchers Volume –IV' which was released on 22nd March 2022 at the auspicious hands of Hon'ble Prof. S. T. Ingale, Pro-Vice Chancellor, KBC North Maharashtra University, Jalgaon. The competition was coordinated by Dr. R. M. Patil.

Annasaheb Dr. G. D. Bendale Scholarship: It was awarded for the academic year 2022-23 to eight poor, aspirant and clever students as below:

Sr. No.	Name of the student	Department
1	Bari Disha Suresh (M. Sc. II)	Mathematics
2	Chavan Lalit Bhausaheb (M. Sc. II)	Statistics
3	Patil Nikhil D. (M. Sc. II)	Biotechnology
4	Kapse Saurabh Vijay (M. Sc. II)	Organic
5	Patil Prathemesh Narayan (M. Sc. II)	Analytical
6	Patil Dipak Rajendra (M. Sc. II)	Organic
7	Patil Kalpesh Anil (M. Sc. II)	Microbiology
8	Mali Samadhan Pandit (M. Sc. II)	Microbiology

Yuvati Sabha : मुलींसाठी शिक्षणाची वाट प्रकाशमान करणाऱ्या क्रांतीज्योती सावित्रीबाई फुले यांची जयंती के. सी. ई. सोसायटीच्या पी. जी. महाविद्यालयात 3 जानेवारी 2023 रोजी युवती सभेमार्फत सर्व प्राध्यापिकांच्या उपस्थितीत उत्साहात साजरी करण्यात आली. कार्यक्रमाचे अध्यक्षस्थान मा. प्राचार्य डॉ. व्ही. एस. झोपे यांनी भूषविले. अध्यक्षीय हस्ते क्रांतीज्योती सावित्रीबाई फुले यांच्या प्रतिमेचे पुजन करण्यात आले. कार्यक्रमाचे सूत्रसंचालन प्रा. कविता डहाके यांनी केले. कार्यक्रमात प्रा. कविता डहाके यांनी सावित्रीबाई फुले यांच्या जीवनचरित्राचा आढावा होणारे एक पॉवर पॉइंट प्रेझेंटेशन सादर केले. प्रा. एकता फुसे व लेखापाल किरण शेडगे यांनी सावित्रीबाई फुले यांच्या जीवनविषयक कार्याची माहिती दिली. तसेच यू ट्यूब च्या माध्यमातून, सावित्रीबाई फुले यांच्या जिवनावर आधारीत ध्वनीचित्रफीत दाखविण्यात आले. प्राचार्य डॉ. व्ही. एस. झोपे यांनी सर्वाना मार्गदर्शन केले व उपस्थित सर्वांचे आभार मानले. कार्यक्रमाच्या यशस्वीतेसाठी प्रा. कविता डहाके, प्रा. शालिनी झोपे, प्रा. रुपाली चौधरी, प्रा. अभिष्री देशपांडे, श्री. उल्हास पाटील, श्री. गणेश माळी यांनी सहकार्य केले.

Sports Activities: College encourages the students to participate in various sports activities for enhancing their fitness as well as teamwork and leadership skills. As an important initiative, College has organized an Inter-college boxing competition on 15th November 2022, Co-ordinated by Dr. Sarang Bari. On the occasion of Platinum Jubilee of KCE Society, a marathon competition was organized on 29th August 2022 in which Mr. Paresh Patil from department of Chemistry has achieved 3rd place in 5 km men's. Students also participates in various other sports events, conducted in annual cultural programme 'RHYTHM' including cricket, badminton, chess, carom etc.

Following students had represented college as well as university in various inter-university and inter-college competitions. The list of the winners in various levels is as below.

Name of student	Department	Sport	Venue	Date
Lalit Ravindra Patil	Analytical Chemistry	Hockey (Inter-university)	Gwalior (M.P.)	17-21 January 2023
Lalit Ravindra Patil	Analytical Chemistry	Floorball (Inter-university)	Gwalior (M.P.)	22-24 February 2023
Divya Rajendra Shimpi	Biotechnology	Hockey (Inter-university)	Udaipur (Rajsthan)	26 th Dec. 2022
Divya Rajendra Shimpi	Biotechnology	Floorball (Inter-university)	Gwalior (M.P.)	22th Feb. 2023
Divya Rajendra Shimpi	Biotechnology	Floorball (Inter-college) – 3 rd place	Jalgaon (MS)	9 th Feb. 2023
Payal Shivaji Sonawane	Biotechnology			
Divya Kailash Patil	Biotechnology			
Jayashri Ashok Mahajan	Biotechnology			
Gunashree Bhalariao	Microbiology			
Nikita Patil	Organic Chemistry	Netball (Inter-college) – 3 rd place	Jalgaon (MS)	15 th December 2022
Yogendrasingh N. Rajput	Biotechnology			
Mahipalsingh Rajput	Organic Chemistry			
Lalit Ravindra Patil	Organic Chemistry			
Lokesh P. Bonde	Biotechnology			
Sarvesh Ram Warade	Biotechnology			
Nikhil Dagdu Patil	Biotechnology			
Samadhan Padit Mali	Microbiology			
Kapil Sanjay Patil	Organic Chemistry			
Milind P. Warade	Biotechnology			
Sanket Yuvraj Sojal	Analytical Chemistry			

Avishkar-2022: Total 30 students from department of Biotechnology, Microbiology and Chemistry of college have presented poster in University Research Festival “Avishkar-2022” (District Level). 6 students namely, Yogendrasingh Rajput, Apeksha Patil, Mohini Khairnar, Saniya Shaikh (Department of Biotechnology), Gayatri Wani (Department of Microbiology), Mahipal Rajput and Tushar Mali (Department of Chemistry) were qualified for Phase II (University Level) at KBC NMU, Jalgaon; from which Saniya Shaikh and Mohini Khairnar were short-listed for PowerPoint presentation in Phase II (University Level) at KBC NMU, Jalgaon.

Youth- Festival-2022; Mayur Ashok Kachare of M.Sc. Chemistry participated in Youth-Festival-2022 organized by KBC NMU and D. N. College, Faizpur (Yuvarang-2022) in the event of photography.

Toppers in the College and Endowment Prize (Academic Year 2021-22)

Sr. No.	Name of the student	Department	Toppers in college	Endowment Prize Sponsored by
1	Sonavane Yogeshwari Aaba	Organic Chemistry	First	Dr. V. S. Zope
2	Chavhan Sagar Sanjay		Second	-
3	Narkhede Sayali Ravindra	Microbiology	First	Dr. V. S. Zope
4	Chaudhari Mubina		Second	-
5	Rastogi Anupkumar	Biotechnology	First	Dr. V. S. Zope
6	Sonwane Sonal		Second	-
7	Sharma Savitri Bajaranglal	Mathematics	First	-

8	Toravane Vrushali Shahaji		Second	-
9	Marathe Vikas Tulshiram	Statistics	First	
10	Deshpande Abhishree Aalok		Second	

Academic Collaboration: Faculty members are also participated in various national international conferences, webinars and workshop. Department of Mathematics and Chemistry of the college are collaborated with M. J. College and Nahata College, Bhusawal for the teaching and research activities. Dr. J. N. Chaudhari, Dr. Umesh Phegade & Prof. D. R. Nhavi were involved in academic linkage.

MoUs: College has five active MoUs which provide a common platform for exchange of ideas regarding the initiation, implementation of research and academic activities. Various activities such as hands-on training of sophisticated instruments, student and teacher exchange were executed thorough these MoUs. The MoUs with Nutan Urja Solution, Pune, S. P. pharmaceutical Ltd., Jalgaon and UICT, KBC NMU, Jalgaon are few to mention.

Major Co-curricular and Extra Curricular activities organized by IQAC of the college:

Sr. No.	Date	Name of the Activity	No. of beneficiaries	Resource person/Guest/Organizer
1.	12/08/2022	Guest Lecture on K vayatri Bahinabai Chaudhari	52	Prof. Ganesh Suryavanshi, Swami Vivekanad M. J. Jr. College, Jalgaon
2.	29/08/2022	One Day Workshop on “New Education Policy 2020”	01	UGC – HUMAN RESOURCE DEVELOPMENT CENTRE, University of Allahabad
3.	21/09/2022	Celebration of Microorganism day	58	Dept. of Microbiology, PGC, Jalgaon
4.	28/09/2022	Tree Plantation Camp	111	PGC, Jalgaon Coordinated by Dr. R. M. Patil
5.	27/09/2022	Industrial visit	14	Jain Irrigation, Jalgaon
6.	02/09/2022	Blood Test Camp	59	Mahalab HLL Jalgaon
7.	03/09/2022	Community Health awareness campaign	63	Dept of Microbiology ,
8.	04/10/2022	Microbiology Awareness program for high school students	158	Microbiology Society of India PGC, Jalgaon and A. T. Zambare Vidyalaya , Jalgaon Resource Persons : Dr. Bhushan Chaudhari, KBC NMU, Jalgaon,
9.	13/10/2022	Health workshop (Out reach program)	980	Dr. Harshvardhan Javale, Dr. Sarode, Dr. Patil. Dr. Mulik
10.	21/10/2022	Induction Training workshop for teachers	22	Guest & Resource Persons Dr. S. N. Bharmabe and Dr. Ketan Narkhede, M. J. College, Jalgaon
11.	22/10/2022	University Science festival ‘Avishkar’ (7 students shortlisted at University	30	KBC NMU, Jalgaon

		Level)		
12.	18/11/2022	Induction Training Workshop' for First year students	150	Chief Guest Prof. D. S. Dalal, Director, Board of Examinations and Evaluation, KBC, NMU, Jalgaon.
13.	07/12/2022	Geeta Jayanti	48	Dept of Chemitrsy, PGC
14.	29/12/2022	Celebration of National sports day 'Amrut-Daud 2022'	50	PGC and Eklavya Sankul, KCE society, Jalgaon.
15.	28/12/2022	Swchha Bharat Yojana Assay writing Competition	55	Dept of Microbiology, PGC, Jalgaon
16.	21/01/2023	Dr. M. S. Swaminathan lecture series	18	Dept of BT PGC Guest Lectures: J V Khan, Science College, Murud Dr. Sumit Lal , Ireland University.
17.	04/02/2023	Workshop of Magazine editors for university affiliated institutions was organized on	01	Arts, Science & Commerce College, Chopda. Dr. Sarang Bari
18.	06/02/2023	Workshop on Safety handling of Gas cylinder in laboratory	12	Surya Gas, and PG, College
19.	8/02/2023	Workshop on "women Health and Women Empowerment" (Savitribai Fule Jayanti)	85	"Yuvati Sabha" of the College co-ordinated by Prof. Kavita Dahake
20.	09-13/2/2023	Yuvarang-2023	01	KBC NMU, Jalgaon at D. N. College, Faizpur.
21.	15/02/2023	Workshop on "Intellectual Property Rights" (IPR)	118	Department of Controller General of Patents, Design and Trademarks, Government of India
22.	20-21/2/2023	Sate level workshop on 'OBE and CO PO'	4 staff	IMR , Jalgaon
23.	19/03/2023	Cultural Program and Prize Distribution in Social Gathering RYTHEM	201	Chief Guest Shri Shashikant Wadodkar, AO, KCE Society.
24.	21/03/2023	Celebration of National Mathematics Day	08	Dept of Mathematics , PGC
25.	25/03/2023	National Conference on 'RBGCS'	4 staff	Annasaheb G. D. Bendale Mahila Mahavidyalya , Jalgaon

Departmental Profile

DEPARTMENT OF CHEMISTRY:

- Course conducted in department:
 1. M. Sc. Organic chemistry,
 2. M. Sc. Analytical Chemistry
 - Certificate course in Analytical Chemistry
- No. of Students: 115

Sr. No.	Name of Staff member	Designation	Educational Qualification	Experience Yrs
1	Dr. Vishvanath S. Zope.	Principal	M.Sc. Ph. D.	38
2	Dr. Ravindra M. Patil.	Head and Asst. Prof.	M.Sc. Ph. D. NET	12
3	Miss. Shalini M. Chaudhari.	Asst. Prof.	M.Sc. B.Ed.	08
4	Miss. Rupali A. Chaudhari.	Asst. Prof.	M.Sc.	05
5	Miss. Shruti B. Patil	Asst. Prof.	M.Sc.	01
6	Miss. Madhuri P. Patil	Asst. Prof.	M.Sc.	01
7	Mr. Harish B. Sonawane	Asst. Prof.	M.Sc.	01

1. Industrial Study Tour: The department had organized industrial study tour for the students of M.Sc. Chemistry at Mapro Food Park, Wai Dist. Satara on 24th to 28th January 2023. The industrial tour was coordinated by Dr. Ravindra M. Patil, Head department of chemistry. In this industrial study tour 45 students had participated along with four staff member (Dr. R. M. Patil, Miss. Rupali chaudhari, Miss. Shruti Patil, Mr. Digamber Khachane). The students gained the knowledge of fruit processing units for the manufacture of jelly, jam, various food juices and other food products.

2. Tree plantation: On the birthday (28th September 2023) of respected principal, the department of chemistry organized tree plantation. The objective of this event was to teach students, how we can save our climate from pollution. This was a great initiative to make our atmosphere neat and clean. By tree plantation, we can develop a climax ecosystem free of greenhouse gases to reduce global warming. The tree plantation was held at the auspicious hands of Principle Dr. V. S. Zope. All teaching, non-teaching staff and students were present in the college campus. Teachers also participated in that event to help students. After tree plantation, The principal sir motivated all of us with a passionate speech on tree plantation.

3. Blood Test Camp: on 2nd September 2022, Chemistry department organized a blood test camp. Two technicians and 2 coworkers from Mahalab HLL Jalgaon have provided their valuable services for the mission. The main goal of this program was to various blood tests like random sugar, CBC etc. The principal, faculty members and students tested their blood. Furthermore, outsiders were also invited for this purpose. Total 59 beneficiaries benefited for this blood test camp. The camp was coordinated by Dr. Ravindra M. Patil, Head department of chemistry.

Details of conferences/seminars/workshops/FDP by staff members in year 2022-23:

Sr. No	Name of the teachers	National / International/State /local	Name of Conference/ Seminar /Workshop/ Webinar	Title	Organizer	Date	Attended /Presented /Resource person
1	Dr. V. S. Zope	University	Workshop	One day University Level Workshop on Restructuring syllabus of M. Sc. II Analytical Chemistry	KBC NMU, and Bhole College, Jalgaon.	30 th April 2022	Expert Resource Person
2	Dr. V. S. Zope	University	Workshop	University Level Workshop on NEP 2020	G. H. Raison Institute of Engineering and B Mgt, Jalgaon	14 th October 2022	Active participation
3	Dr. V. S. Zope	University	Research Convention "Avishkar-2022"	Phase-I Level Research Convention 'Avishkar- 2022'	KBC North Maharashtra University, Jalgaon.	20 th October 2022	Expert (Examiner)

4	Dr. V. S. Zope	University	Workshop	One-Day workshop on 'NEP 2020 Implementation and Examination'	IQAC, KBC North Maharashtra University, Jalgaon	27 th April 2023	Active participation
5	Dr. V. S. Zope	Local	Awareness Program	Microbiology Awareness Program for high school students of A. T. Zambare Vidyalyay, Jalgaon	IQAC KCES PGCSAC Jalgaon Microbiologists Society	04 th October 2022	Organized
6	Dr. R. M. Patil	National	4-Week Orientation Programme	"Faculty in Universities /Colleges/Institutes of Higher Education Orientation Programme	Teaching Learning Centre, Ramanujan College University Of Delhi Under The	20 June – 19 July, 2022	Participated, successfully completed and obtained Grade A. "
7	Dr. R. M. Patil	National	One week Faculty Development Program	"Research Design & Research Method"	Aegis Of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching	9-15 th Feb 2022	Participated, successfully completed and obtained Grade A⁺ .
8	Dr. R. M. Patil	University level	Workshop	Workshop on National Education Policy (NEP)	G H Raisoni Institute of Engineering and Business Management	14 th Oct. 2022	Attended
9	Miss. Rupali A. Chaudhari	State level	FDP	FDP on Outcome based education and CO-PO Attainment	IMR college, Jalgaon	(20-22 Feb 2023)	Attended
10	Miss. Rupali A. Chaudhari	College level	Workshop	'Intellectual Property Right	K.C.E's Post Graduate College of Science, Arts and Commerce, Jalgaon	15/02 /2023	Attended
11	Miss Shalini Chaudhari	National	Conference	Research on Bio, Geo & Chemical Sciences – A global Scenario	Dr. Annasaheb G. D. Bendale Mahila Mahavidyalay, Jalgaon	25 th March 2023	Attended
12	Miss. Shruti Patil	National	Conference	Research on Bio, Geo & Chemical Sciences – A global Scenario	Dr. Annasaheb G. D. Bendale Mahila Mahavidyalay, Jalgaon	25 th March 2023	Attended

13	Miss Shalini Chaudhari	College level	Workshop	'Intellectual Property Right'	K.C.E's Post Graduate College of Science, Arts and Commerce, Jalgaon	15/02/2023	Attended
14	Miss. Shruti Patil	College level	Workshop	'Intellectual Property Right'		15/02/2023	Attended
15	Miss. Madhuri Patil	College level	Workshop	'Intellectual Property Right'		15/02/2023	Attended
16	Mr. Harish Sonwaane	College level	Workshop	'Intellectual Property Right'		15/02/2023	Attended

- Details of publications by staff members in year 2022-23:

Research Papers:					
Sr. No.	Name of staff member	Research article	International Peer Reviewed Journal	National/International	Duration
1	Dr. R. M. Patil	Green Synthesis of 2, 4, 5-triphenyl-1H-imidazole Derivatives by using Cellulose based Cerium (IV) Catalyst	International Journal of Research (IJR) Vol. 10 Issue 03 March 2023	International	March 2023
2	Dr. R. M. Patil	One-pot multicomponent synthesis of 2-amino-5,6,7,8-tetrahydro-4-phenylquinoline-3-Carbonitrile Derivatives	International Journal of Research (IJR) Vol. 10 Issue 05 May 2023	International	May 2023
3	Miss. Rupali A. Chaudhari	Green Synthesis of 2, 4, 5-triphenyl-1H-imidazole Derivatives by using Cellulose based Cerium (IV) Catalyst	International Journal of Research (IJR) Vol. 10 Issue 03 March 2023	International	March 2023
Book Chapters:					
Sr. No.	Name of staff member	Research article	Book / Book chapter	National/International	Duration
1	Prof. (Dr.) V. S. Zope	<i>Study on Catalytic Depolymerization of Polyurethane Using Zinc and Lead</i>	Book chapter, <i>Progress in Chemical Science Research</i> Vol. 3 Page No.114-124 ISBN 978-93-5547-774-3 (Print) ISBN 978-93-5547-776-7 (eBook) DOI: 10.9734/bpi/pcsr/v3	B P International, UK	First Edition 2022 Vol.3
2	Prof. (Dr.) V. S. Zope	Study of Effect of Particle Size and Catalyst on Chemical Recycling Of PET Waste		National	volume IV 2021-22
3	Dr. R. M. Patil	One pot multicomponents synthesis of polysubstituted pyridines by using cerium(IV) carboxymethyl cellulose		National	volume IV 2021-22

		as an efficient and reusable catalyst	Book chapter, A Compendium of Research Articles by Prospective Researchers volume IV 2021-22		
4	Dr. R. M. Patil	Preparation and application of the CMC-Fe ^{II} nanocatalyst for the Synthesis of Schiff's Bases		National	volume IV 2021-22
5	Miss. Rupali A. Chaudhari	Preparation and Physicochemical Analysis of Wine from Banana Fruit		National	volume IV 2021-22
6	Miss. Rupali A. Chaudhari	Solvent free Synthesis of Biginelli Dihydropyrimidinones using Glycine as catalyst		National	volume IV 2021-22
7	Miss Shalini Chaudhari	One pot synthesis of 2-Amino-3,5 Dicarbonitrile-6-Ethoxy-Pyridine by using WEB	National	volume IV 2021-22	

- ❖ *Dr. V. S. Zope Delivered Invited Talk at Webinar on the topic 'Colligative properties' for high school students and teacher at Sardar Patel High School, Raver on 21 December 2022*

DEPARTMENT OF MICROBIOLOGY

- Course conducted in department: M. Sc. Microbiology,
 - Certificate course in Bio-analytical tools and Bioinformatics
- No. of Students:57

Sr. No.	Name of Staff member	Designation	Educational Qualification	Experience Yrs
1	Prof. S. N. Patil	Head and Assistant Professor	M.Sc. NET	10
2	Prof. Ekata Fuse	Assistant Professor	M.Sc. Ph. D. NET	03

Participation of faculty in Conference / Seminar /Workshop /FDP/ Competition

Sr. No.	Name of the teachers	National/International/State/local	Name of Conference/Seminar/Workshop/Webinar/FDP	Title	Organizer	Date	Attended/Presented/Organized/Resource person
1	Mr. S. N. Patil	Local	workshop	Resume writing and	IQAC KCES	31 th March 2023	Organized

				Cover letter drafting	PGCSAC Jalgaon		
2	Mr. S. N. Patil	Local	Seminar	Intellectual Property Right	IQAC KCES PGCSTR Jalgaon	15 th February 2023	Organized
3	Mr. S. N. Patil	Local	workshop	Students Induction Program	IQAC KCES PGCSTR Jalgaon	November 18, 2022	Organized
4	Mr. S. N. Patil	Local	Awareness Program	Microbiology Awareness Program	IQAC KCES PGCSAC Jalgaon Microbiologists Society	04 th October 2022	Organized
5	Mr. S. N. Patil	National	Competition	"PG Technologia 2023 Competition"	IQAC KCES PGCSAC Jalgaon	14 th February, 2023	Organized
6	Mr. S. N. Patil	National	Competition	Essay Writing and Poster Presentation Competition		28/12/2022	Attended
7	Mr. S. N. Patil	National	Faculty Induction Programme	UGC sponsored 10th "GURU DAKSHTA	UGC – HUMAN RESOURCE DEVELOPMENT CENTRE UNIVERSITY OF ALLAHABAD	November 07 to December 06, 2022	Attended
8	Mr. S. N. Patil	Local	Conference	Outcome Based Education and CO-PO attainment	KCE Society's College of Engg. & Mgt. Jalgaon	20-21 February 2023	Attended

Research Publication:

Sr. No.	Name of the Teacher	Title of Paper	Journal	Volume/year
1	Mr. S. N. Patil	Study on Antimicrobial Properties and Phytochemical Analysis of Pistacia integerrima	A Compendium of Research Articles by Prospective Researchers 2021-22	pp36-39
2	Mr. S. N. Patil	Studies on Plant Growth Promoting Ability of Rhizobium in Fenugreek Root Nodules	A Compendium of Research	pp36-39
3	Mr. S. N. Patil	Isolation and Characterization of		2 pp36-

		<i>Phosphate Solubilizing Microbes from Agricultural Soil</i>	<i>Articles by Prospective Researchers 2021-22</i> <i>volume IV</i> <i>ISBN: 978-81-949083-0-2</i>	39
4	<i>Dhanashri G Bhamare</i>	Comparative Study of Bioethanol Production From Banana Waste And Sugarcane Baggasse		<i>pp36-39</i>
5	<i>Vaishali Punekar</i>	Studies on Fruits Spoilage Causing Microorganisms		<i>Pp 10</i>

- ❖ *Mr. S. N. Patil Delivered Invited Talk at Webinar on 'Ecosystem and Sustainability' at Anjuman Islam Janjira Degree college of science Janjira, Murud, Dist Raigad 21 September 2022*
- ❖ *Mr. S. N. Patil got Recognition of Zonal Coordinator , North Maharashtra Region Jalgaon by Microbiologists Society of India , Osmanabad*
- ❖ *Miss. Narkhede Sayali Ravindra, Department of Microbiology Awarded by "Best student "Recognition by Microbiologists Society of India , Osmanabad..*

DEPARTMENT OF BIOTECHNOLOGY:

- *Course conducted in department: M. Sc. Biotechnology,*
 - *Certificate course in Bio-analytical tools and Bioinformatics*
- *No. of Students in the course M. Sc. (Biotechnology): 36*

Sr. No.	Name of Staff member	Educational Qualification	Experience
1	Dr. Sarang S. Bari	M. Sc., Ph. D.	5 years
2	Dr. Snehal Deshmukh	M. Sc., Ph. D.	1.5 years
3	Mr. Danish Shaikh	M. Sc.	1 year

- *Curricular activities conducted in department:*

Sr. No.	Details of activity	Date	No. of attendee
1	Guest Lecture by Dr. Sumit Lal, UK	19/01/2023	17
2	Guest Lecture by Mrs. Snehal Kale, UICT	20/01/2023	15
3	Guest Lecture by Mr. Javed Khan, Murud	21/01/2023	18
4	Guest Lecture by Dr. Vivek Jawalkote, Pune	23/01/2023	22

- *Extracurricular activities conducted in department:*

Sr. No.	Details of activity	Date	No. of beneficiaries
1	Industrial Visit at Jain Irrigation, Jalgaon	27/09/2022	14
2	Practicing Cleanliness in campus	28/12/2022	15

- *Details of conferences/seminars/workshops/FDP by staff members:*

Sr. No.	Name of staff member	FDP/OC/RC	National / International	Duration	Participation
1.	Dr. Sarang S. Bari	Workshop on National Education Policy (NEP)	University level	14 th Oct. 2022	Attended

2.	Dr. Sarang S. Bari	FDP on Higher Education & Teaching Learning Management	University level	10-17 Feb. 2023	Attended
3.	Dr. Sarang S. Bari	FDP on Global Business Foundation Skills	University level	12-20 Sept. 2022	Attended
4.	Dr. Sarang S. Bari	Induction Training Programme	College level	18/11/2022	Attended
5.	Dr. Sarang S. Bari	Workshop on IPR	College level	15/02/2023	Attended
6.	Dr. Sarang S. Bari	Induction Training Program	College level	/01/2023	Attended
7.	Dr. Sarang S. Bari	AVISHKAR 2022	University level	11-12 Nov. 2022	Team leader
8.	Dr. Sarang S. Bari	AVISHKAR 2022	District Level	18 th Oct. 2022	Team manager
9.	Dr. Sarang S. Bari	Workshop of Magazine Editors	University Level	4 th Feb. 2023	Attended
10.	Dr. Sarang S. Bari	Conference on Research on Bio, Geo & Chemical Sciences – A global Scenario	National	25 th March 2023	Attended
11.	Dr. Snehal A. Deshmukh	FDP on Outcome based education and CO-PO Attainment	University level	February 20-21, 2023	Attended
12.	Dr. Snehal A. Deshmukh	Workshop on IPR	College level	15/02/2023	Attended
13.	Dr. Snehal A. Deshmukh	Induction Training Program	College level	18/11/2022	Attended

• *Details of publications by staff members in year 2022-23:*

Sr. No.	Name of staff member	Research article / Book chapter	Title of publication	Particulars	National / International
1.	Dr. Sarang S. Bari & Dr. Snehal A. Deshmukh	Book chapter	Isolation, screening, characterization and production of pectinase containing microorganism from rotten fruits	A compendium of Prospective Researcher's Scheme (PRS) Vol. IV., 2023	National
2.	Dr. Sarang S. Bari & Dr. Snehal A. Deshmukh	Book chapter	Isolation, identification and characterization of lipolytic bacteria from		National

			oil spilled garage soil		
3.	Dr. Sarang S. Bari & Dr. Snehal A. Deshmukh	Book chapter	Preparation and characterization of Chitosan Nano-Fertilizers and their applications		National
4.	Dr. Sarang S. Bari & Dr. Snehal A. Deshmukh	Book chapter	Preparation and characterization of Chitin Nano-Fertilizers and their applications		National
5.	Dr. Snehal A. Deshmukh	Research Article	Rapid detection of citrus greening (Haunlongbing) by iodine kit method and its validation using polymerase chain reaction	International journal of Microbiology & applied science (JCMAS); Vol. 11 (2022) ISSN 2319-7706.	National

DEPARTMENT OF MATHEMATICS:

- Course conducted in department: *M. Sc. Mathematics*,
- No. of Students in the course: *19*

Sr. No.	Name of Staff member	Educational Qualification	Experience
1	Prof. D. R. Nhavi	M. Sc, SET	12
2	Prof. J. N. Chaudhari (Visiting)	M. Sc. Ph. D.	33
3	Dr. Hemant Bendale (Visiting)	M. Sc. Ph. D.	04

National mathematics Day: The Department of Mathematics, KCE Society's Moolji Jaitha College (Autonomous), Jalgaon, in collaboration with KCE Society's Post Graduate College of Science, Technology and Research, Jalgaon has organized one day lecture series namely '**Meenakshisundaram Patodi in Mathematics**' (MPLSM-2022) on 7th October 2022. This lecture series was sponsored by **The Indian Mathematical Society, Pune**. The main aim of this lecture series was to motivate all students and young faculty members from both the colleges to create an interest to do research in Mathematics. In this lecture series, 6 teachers, 23 students of T.Y.B.Sc. and M.Sc. II from both the colleges were present.

The inauguration function of lecture series was held at seminar hall of K. C. E. Society's Post Graduate College of Science, Technology and Research, Jalgaon, in which **Prof. S. R. Chaudhari**, Director, School of Mathematical Sciences, KBCNMU, Jalgaon,

Prof. J. N. Chaudhari Head, Department of Mathematics, M.J. College, Jalgaon and **Prof. Dr. V.S. Zope**, Principal, KCES's, PGCSTR, Jalgaon were present on the dice.

The preface of the '**Meenakshisundaram Patodi Lecture Series in Mathematics**' was given by Dr. K. J. Ingale, Convener of MPLSM-2022 in which Dr. K. J. Ingale elaborate about aim and objective of the lecture series. In the presidential address Dr. V. S. Zope welcomes the resource persons and expressed sincere thanks to Indian Mathematical Society, Pune for providing opportunity of fundamental knowledge full lectures by expert mathematician for the students and teachers of both the colleges. He also expressed special thanks to **Prof. S. K. Nimhorkar, Director, Indian Mathematical Society, Pune** for recommending to organize this lecture series for the both colleges.

The National Mathematics day was celebrated by organizing 'Quze Contest' on 21 march 2023 in which all students of the college were beneficated.

Conference/Workshop/Seminar attended by the teacher:

Sr. No.	Name of the Teacher	Name of Conference /Workshop/ Seminar	Topic	Organizer	Date/ Remark
1	Mr. D. R. Nhavi	National Conference on Algebra Analysis and Fuzzy Mathematics	Common Fixed point theorem in GB metrics space	Dept of Mathematics, KBC North Maharashtra University, Jalgaon	24-25 March 2023
2	Mr. D. R. Nhavi	workshop	Students Induction Program	IQAC KCES PGCSTR Jalgaon	November 18, 2022
3	Mr. D. R. Nhavi	Seminar	<i>Intellectual Property Right</i>	IQAC KCES PGCSTR Jalgaon	15 th February 2023

Research Publication:

Sr. No.	Name of the Teacher	Title of Paper	Journal	Volume/year
1	Mr. D. R. Nhavi	Fixed point theorems satisfying ω -maps in Gb-metric space, Research Journey	International E-Research Journal	291 (A) 32-35 (ISSN 2348-7143) 2023

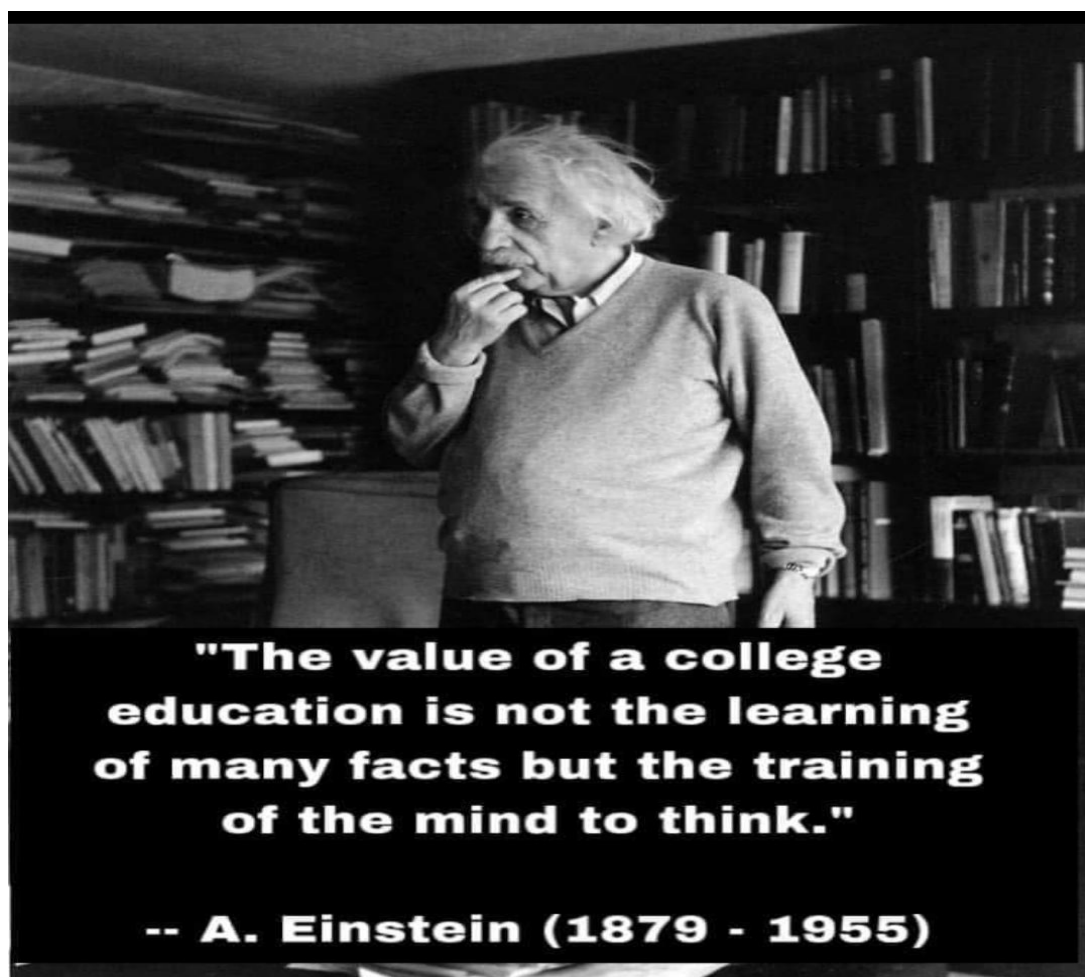
DEPARTMENT OF STATISTICS:

- Course conducted in department: M. Sc., Statistics
- No. of Students in the course: 20

Sr. No.	Name of Staff member	Educational Qualification	Experience
1	Prof. Kavita Dahake	M. Sc	05
2	Prof. Abhishree Deshpande	M. Sc.	01

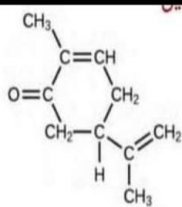
Conference/Workshop/Seminar attended by the teacher:

Sr. No.	Name of the Teacher	Name of Seminar/Conference/Workshop	Topic	Organizer	Date/Remark
1	Prof. Kavita S. Dahake	<i>workshop</i>	Students Induction Program	IQAC KCES PGCSTR Jalgaon	<i>November 18, 2022</i>
2	Prof. Kavita S. Dahake	Seminar	<i>Intellectual Property Right</i>	IQAC KCES PGCSTR Jalgaon	<i>15th February 2023</i>
3	Prof. Abhishree Deshpande	<i>workshop</i>	Students Induction Program	IQAC KCES PGCSTR Jalgaon	<i>November 18, 2022</i>
4	Prof. Abhishree Deshpande	Seminar	<i>Intellectual Property Right</i>	IQAC KCES PGCSTR Jalgaon	<i>15th February 2023</i>

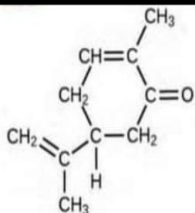


Placement Record of the batch 2021-22

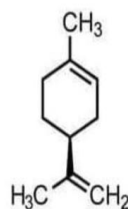
Dept.	Name of the Student	Company/Firm		
Microbiology	Padvi Singa Rajya	Fukoku Company Pvt Ltd, Pune		
	Panda Suprava Prabhu	Cognizant		
	Pingale Anuja Nitin <i>Teacher</i>	SBS International School, Utran		
	Anil Chaitram Shinde <i>Microbiologist</i>	Cipla Ltd indore		
	Bari Akash Shaligram <i>Microbiologist</i>	Naprod Life Science, Pvt Ltd. Boisar (Tarapur)		
	Pawar Himanshu Dinesh <i>Trainee (Quality Control department)</i>	Molbio Diagnostics Private Limited (Verna Industrial Estate) Goa		
	Suryavanshi Vaishnavi Ramdas <i>Coder</i>	Trainee Medical Coder/ Gebbs Healthcare solutions / Medical coder, Mumbai		
chemistry	Kolambe Tushar Dinkar <i>QC Chemist</i>	MSN Life Sciences Pvt. Ltd. Hydrabad (2.56 CTC)		
	Patil Pratik Sunil (<i>Internship</i>)	RSL Software solution Pvt. Ltd. (Internship)		
	Khairnar Jayesh Rajendra <i>QC Chemist</i>	Hikal Ltd. Panoli (2.5 CTC)		
	Thakare Hitesh Narayan <i>QC Chemist</i>	Lincoln Pharmacueticals Ltd. Ahmadabad (2.4 CTC)		
	Patil Dhiraj Umakant	MSN Life Sciences Pvt. Ltd. Hydrabad (2.5 CTC)		
	Patil Neha Budha <i>QC Chemist</i>	Greenjouls Pvt. Ltd. Pune (2.2 CTC)		
	Chavan Hemant Bhalchandra <i>Data scientist</i>	Rubixe (DATAMITES), Bangalore Internship		
	Janjal Shubham Gulabrao (<i>QC Chemist</i>)	Macleod Pharmaceituicals Pvt. LTd., Sarigam, Gujarat (2.52 CTC)		
	Rajput Vonod Ramsingh <i>Chemist</i>	SPC life Science Pvt. Ltd., Ankaleshwar (2.00 CTC)		
	Ahire Yogesh Dnyaneshwar , <i>Chemist</i>	Curia India Pvt. Ltd. Walunj, Chhtrapati Sambhaji Nagar (2.96 CTC)		
Dept.	Name of Student	Company/Institute	Designation	Package
BIOTECHNOLOGY	Anupkumar Rastogi	Premier Medical Corporation, Wapi	R&D officer	3 LPA
	Harshal Koli	Promeo therapeutics, Hydrabad	QA Assistant	15 k
	Gaurav Patil	Promeo therapeutics, Hydrabad	QA Assistant	15k
	Nilesh Patil	Datar Cancer Genetics, Nashik	Junior Scientist	23k
	Faizal Pinjari	Datar Cancer Genetics, Nashik	Junior Scientist	23k
	Gaurav Wani	Shatabdi Institute of Pharmacy, Shahada (Nandurbar)	Lab Assistant	12k
	Rehan Pinjari	Shri Analytical Ltd, Jalgaon	Technician	12k
	Puja Patil	Tushar Pathology, Jalgaon	Technician	12k
	Kranti More	KlinEra Global Services, Mumbai!	Clinical Trial Assistant	18k
	Prarthana Bidkar	M.J. College, Jalgaon	Assistant Professor	6k
	Bhavana Gorane	S. M. College, Muktainagar	Assistant Professor	8k



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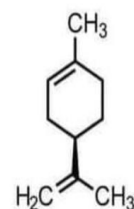
caraway



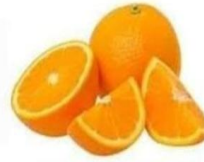
(S)-(-)-Limonene



lemon



(R)-(+)-Limonene



orange

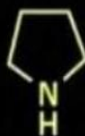
Bases

NUCLEOPHILIC:



pyridine
mild base
pKa ~ 5.5

Handling: Medium



pyrrolidine
mild base
pKa ~ 11

Handling: Medium



sodium hydroxide
strong base
pKa ~ 14

Handling: Easy



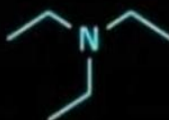
n-butyl lithium
super base
pKa ~ 50

Handling: Dangerous

NON - NUCLEOPHILIC:



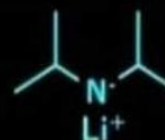
sodium bicarbonate
very weak base
pKa ~ 6.5, 10.2
Handling: Easy



triethylamine
mild base
pKa ~ 11
Handling: Easy



potassium *t*-butoxide
strong base
pKa ~ 17
Handling: Medium



lithium diisopropylamide
super base
pKa ~ 36
Handling: Dangerous

Leadership styles

Data source: growthtactics.net | Infographic design by @agrassoblog for educational and motivational purposes

COACHING

Coaching leadership is focused around developing subordinates.



DEMOCRATIC

Democratic leadership is a form of leadership where decision making is shared with members of a group.



VISIONARY

Visionary leaders have a vision of where a company or organization should be.



PACESETTER

The leader set very high goals and standards to get things done better and faster.



TRANSACTIONAL

Transactional leadership is a style of leadership in which punishments and incentives are used to motivate employees.



TRANSFORMATIONAL

Transformational leadership is a styles in which the leader inspires and motivates employees to produce a change in the organization.



LAISSEZ-FAIRE

Laissez-Faire is a hands-off style of leadership.



SERVANT

Servant leaders believe in people first.



AUTOCRATIC

In autocratic leadership, the boss or manager makes all the decisions.



BUREAUCRATIC

Bureaucratic leadership is a rules based leadership style.



Teaching Staff

Sr. No.	Name of Employee	Qualification	Designation	Department
1	Dr. V. S. Zope	M.Sc., Ph. D.	Principal	Principal
2	Dr. Ravindra Maharu Patil	M.Sc., Ph. D., NET	Head and Asst. Prof.	Chemistry
3	Prof. Rupali. A. Chaudhari	M.Sc.	Asst. Prof.	Chemistry
4	Prof. Shalini M. Chaudhari	M.Sc., B. Ed	Asst. Prof.	Chemistry
5	<i>Miss. Shruti B. Patil</i>	M.Sc.	Asst. Prof.	Chemistry
6	<i>Miss. Madhuri P. Patil</i>	M.Sc.	Asst. Prof.	Chemistry
7	<i>Mr. Harish B. Sonawane</i>	M.Sc.,	Asst. Prof.	Chemistry
8	Dr. Sarang S. Bari	M.Sc., Ph. D.	Asst. Prof.	Biotechnology
9	Dr. Snehal Deshmukh	M.Sc., Ph. D.	Asst. Prof.	Biotechnology
	Prof. Danish Shaikh	M.Sc.,	Asst. Prof.	Biotechnology
10	Prof. Sandip Narayan Patil	M.Sc., NET	Head , IQAC Coordinator	Microbiology
11	Prtof. Ekata Fuse	M.Sc.	Asst. Prof.	Microbiology
13	Prof. Kavita Dahake	M.Sc.	Asst. Prof.	Statistics
14	Prof. Abhishree Deshpande	M.Sc.	Asst. Prof.	Statistics
16	Prof. Nhavi Dnyaneshwar R.	M. A., SET	Asst. Prof.	Mathematics
17	Mr. Ulhas Sudhakar Patil	M.Sc.	Librarian	Library
18	Prof. Pooja Mahajan	M. Com	Asst. Prof.	Commerce
19	Prof. Kiran Bari	M. Com, NET	Asst. Prof.	Commerce
20	Prof. Pratibha Tiwari	M. Com, SET	Asst. Prof.	Commerce

Non Teaching Staff:

Sr. no.	Name	Designation
1		
2	Mr. Shailendra S. Narkhede	Clerk
3	Mrs. Kiran Shedge	Accountant
4	Mr. Ganesh Dilip Mali	Lab Attendant
5	Mr. Pankaj Patil	Lab Attendant
6	Mr. Digamber Vinayak Khachane	Lab Attendant

6 KEY TRAITS FOR WORKING IN A TEAM

Source: Career Experts | Infographic design by agrassoblog.org for educational and motivational purposes



POSITIVITY

In a team environment, negativity can cause a real domino effect. If one person is giving off negative vibes, they can spread quickly and, before you know it, morale can take a nose dive. Negative colleagues tend to be the ones people try to avoid - make sure that isn't you!



COMMUNICATION

Sometimes it's tempting to 'just get on with things' when at work, but quietly squirrelling away at your desk can do more harm than good. A strong team player communicates in an open and honest manner with their colleagues.



RESPECT

Mutual respect within a team helps it to function effectively - that means no egos and everyone is treated as a peer. Listening to what your colleagues have to say, being on time, pulling your weight and always staying prepared are all traits of a respectful co-worker.



DEDICATION

Trusted and valued team members are the ones that show that they're in it for the long haul. Your co-workers will feel more comfortable working with you knowing that you care about the long term goal you all share.



WILLING

Demonstrating willingness at work means the world to your team. Be generous with your time, knowledge and skills when it comes to your colleagues. Sharing is caring, after all!



ADAPTABILITY

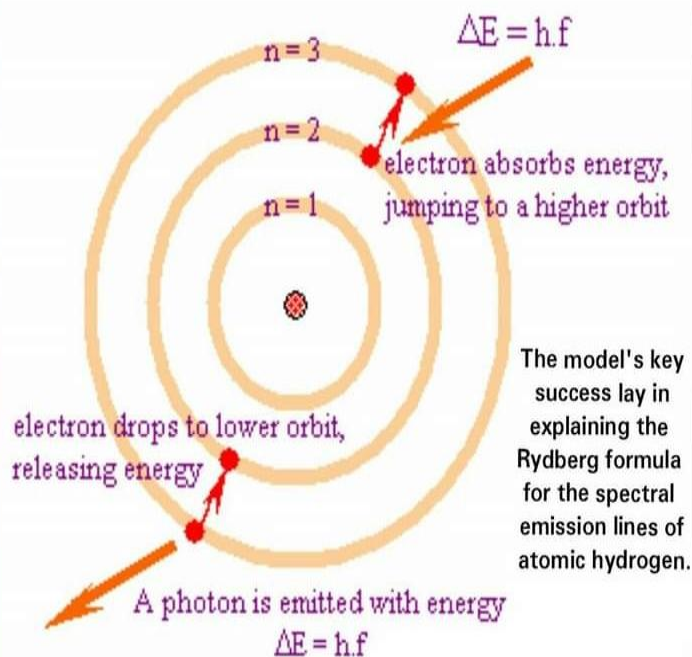
Being open and accepting to change will allow you to influence those co-workers who aren't feeling as flexible as yourself, helping the whole team to stay on the same page.

Quantum Theory #04# (1st Quantum Model of the Atom)



Niels Henrik David Bohr
Danish physicist
Born - 7 Oct 1885
Died - 18 Nov 1962.

Bohr Model of the Atom

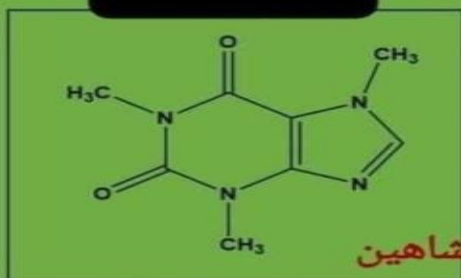


Cosmological Astrophysics

Bohr's model depicts the atom as a small, positively charged nucleus surrounded by electrons that travel in circular orbits around the nucleus with attraction provided by electrostatic forces.

- Radha Mohan.

coffee



الاستاذ علاء الشاهين



chocolate



Indian Women Scientists

Dr. Snehal Deshmukh
(Assistant Professor, Department of Biotechnology)

While the world is witnessing 'winds of change' for women scientists, India is also not lagging behind. In 2015, the United Nations resolved to celebrate 11 February every year as 'International Day for Women and Girls in Science', which further invigorated the global mission for justice and equality. In 2020, India celebrated National Science Day with 'Women in Science' as the focal theme. An equally enthralling announcement came when 11 chairs were established in the names of women scientists from India at institutions across the country. Such reverence is most deserved and was long due.



Anna Mani
(1948)

First woman joined the Meteorological department in Pune



First female recipient of a Shanti Swarup Bhatnagar Prize in Chemical Science Category

Asima Chatterjee (1961)



Tessy Thomas (2011)

First woman scientist to head a missile project in India



Kamal Ranadive

Established India's first tissue culture research laboratory at the Indian Cancer Research Centre in Mumbai



Sanghamitra Bandopadhyay (2015)

First woman Computer Scientist & Director of the Indian Statistical Institute

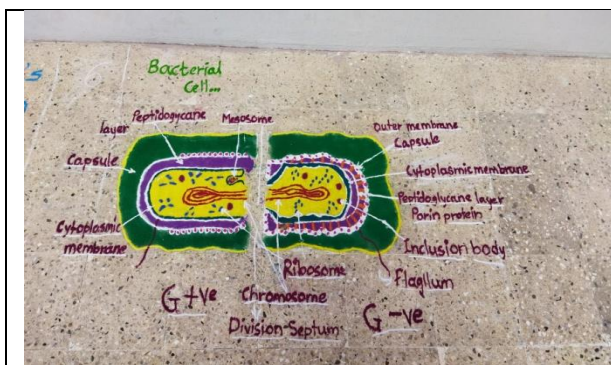


Youngest woman scientist to receive Shanti Swarup Bhatnagar Award in Chemical Sciences

Jyotirmayee Dash (2020)

Topper of Academic Year 2021-22

	
<p>Miss. Yogeshwari Aaba Sonawane (1st Topper, Organic Chem.)</p>	<p>Mr. Sagar Sanjay Chavan (2nd Topper, Org. Chemistry)</p>
	
<p>Miss. Sayali Ravindra Narkhede (1st Topper Microbiology)</p>	<p>Miss. Chaudhari Mubina (2nd Topper Microbiology)</p>
	
<p>Mr. Anupkumar S. Rastogi (1st Topper, Biotechnology)</p>	<p>Miss. Sonal S. Sonawane (2nd Topper, Biotechnology)</p>
	
<p>Miss. Savitri Bajaranglal Sharma (1st Topper, Mathematics)</p>	<p>Miss. Vrushali Shahaji Toravane (2nd Topper, Mathematics)</p>
	
<p>Mr. Vikas Tulshiram Marathe (1st Topper, Statistics)</p>	<p>Miss. Abhishree Aalok Deshpande (2nd Topper, Statistics)</p>



Rangoli Competition for celebration of National Micro-organism day



Rangoli Competition for celebration of National Micro-organism day



Audit Course Guest Lecture – Sports & Fitness by Dr. Nilesh Joshi (Physical Director, KCE's B. Ed College, Jalgaon)



Audit Course Guest Lecture – Soft skills by Mr. Suraj Chaudhari (Assistant Professor, Khadse College, Muktainagar)



Industrial visit of Chemistry department to Macro Foods, Vai!



Industrial Visit of Biotech department to Jain Irrigation, Jalgaon



Release of Compendium of PRS at the auspicious hands of Hon'ble Prof. S. T. Ingale, Pro-Vice Chancellor, KBC NMU,



Prize distribution of PRS at the auspicious hands of Hon'ble Prof. S. T. Ingale, Pro-Vice Chancellor, KBC NMU,

Jalgaon



Jalgaon



Seminar on Intellectual Property Rights (IPR) by Mr. Mayur Lokhande (Patent Officer, Mumbai)

Audience for Seminar on IPR by Mr. Mayur Lokhande (Patent Officer, Mumbai)



Participation in Avishkar-2022

Tree plantation at PG college



Guest lecture by Dr. Vivek Jawalkote, Pune in Prof. Swaminathan Guest Lecture Series

Guest lecture by Dr. Sumit Lal, Ireland (UK) in Prof. Swaminathan Guest Lecture Series



Blood test camp & Free health check up camp



Sports



Sports



Inter-college Boxing competition organized at PG college



Marathon



Annual College Gathering – Drama



Annual College Gathering – Antakshari!



Prize winners in Cultural Activities in RHYTHM 2023



Shri Shashikant Vadodkar, Addressing in RHYTHM 2023



EDITOR:
Dr. S. S. BARI
PUBLISHER
Dr. V. S. ZOPE

Khandesh College Education Society's
Post Graduate College of Science, Arts, and Commerce, Jalgaon