

terrorists because of this.

Actually, teenage is the period where one can shape their minds, and hence, Vivekananda said "Anything that makes you weak physically, intellectually and spiritually, reject as a poison."

So, it is a need of time to think about this. We youngsters should think once before to do any activity, once before posting any post on social media, once before following any community.

At last what is important, our country should progress. Our country must remain as a country of unity in diversity for forever.

So youngsters, invest your potential, energy in right way. Because Vivekananda once said that,

"Do you love your country? Then come let us struggle for higher and things; look not back, no, not even if you see the dearest and nearest cry, look not back, but forward."



Teacher

Shubhangi Pattanshetti, B.Sc. III

Teacher is the sun,
Who gives the light of life.

Teacher is the earth,
Who gives the food of knowledge .

Teacher is the wind
Who gives the message of kindness.

Teacher is the nature.
Who gives the beauty of school & student.

Teacher is the creativity,
Who gives the positive direction of future life.

Teacher is the guidance ,
Who gives the sea of knowledge.

Teacher is the key of success,
Who gives the cleverness of mind.

Teacher is the confidence,
Who gives the improving our self.

Teacher is the best one,
Who gives the solution of each problem.

My Baba, My Everything

Nandinee Akul , B.C.A. I

If we are together then,
I will be altogether.

Sometimes you become coarse (rough)
For giving me a course (a direction).
You always try to give right direction for me,
To get a quality of perfection in me.
You are the principal of my life,
Who gives me principles to live my life.
You are the shining to my life,
You are the golden lining of my life.



The Changing Scenario and Women's Roles in the Bollywood Films

Vikas Vivekanand Shinde, B.A. I

Informative Writing

India is one of the oldest film industries in the world. Each one of us today is aware of the terms Cinema, Bollywood, Films, Actors, Actresses and Movies etc. These terms are deeply rooted in our society that even a five year old kid could explain you the meanings of the same.

India is one of the oldest film industries in the world. Each one of us today is aware of the terms Cinema, Bollywood, Films, Actors, Actresses and Movies etc. These terms are deeply rooted in our society that even a five year old kid could explain you the meanings of the same. Films have by far become one of the most popular medium of mass communication.

India is a male-dominated society where women are prohibited from decision making in most matters. They are under the control of their parents before marriage and their husbands after marriage. The Indian Constitution conferred equal rights for women in the year 1950. They are victims of domestic violence, harassment at work, dowry death, rape, and sexual abuse. This unequal treatment is reflected in the commercial Bollywood film industry where women work primarily as actresses or playback singers. Recently, they have achieved work as directors, producers, choreographers, costume designers, editors, and screenwriters etc. This present article is to analyze feminist resistance to patriarchal ideals through parallel, middle and contemporary

Bollywood films.

Directors of Hindi film industry are now playing

an essential role in shaping gender equality. They portray the ideal woman as submissive, self-sacrificing, and accepting of the injustice and violence meted out by men. Most of Indian actresses start their careers as teenagers and are considered old by their late twenties while men's careers



go into their fifties. Moreover, male actors are better paid than their female counterparts. Women usually play the role of dutiful daughter, submissive wife, or self-sacrificing mother. When they violate social expectations, they showed disrespect for traditional values by competing western women. Thus, alternatives have the potential to raise women's consciousness of their own possibilities and to challenge patriarchal ideas about women and their place in industry and in society.

The blockbuster formula and controlling images described above were first challenged in the 1960s by a new genre of film known as parallel cinema. During the 1960s, numerous

women's issues came to the forefront of Indian society. Parallel films are produced and directed by scholars of the problems of Indian society. Their goal is to raise awareness including the oppression of women. These films are primarily gynocentric but feminist critics argue that films directed by even the most liberal men present a patriarchal bias.

Financial difficulties and the moral outrage provoked by middle cinema, which emerged in the late 1970s with continued success into the 1980s. Middle cinema appealed to middle-class artistic sensibilities diluted with escapist commercial trappings. As the genre developed, audiences expanded and directors aimed to transform the Bollywood formula into aesthetic art that would raise awareness of social problems. Middle cinema films have elements of glamour, a great storyline, and perfect production values as compared to the drab filming techniques of parallel cinema.

Globalization is enhanced by the ease of communication and the simple transfer of capital and goods made possible by technological developments of the twentieth century. Globalization connects numerous locations into networks that are complex and often contradictory. Bollywood is a significant aspect of the global culture industry. The 21st century was when Indian cinema finally found some sort of a balance between the ever genres of popular commercial and parallel cinema. The influence of historical and socio-cultural factors on the growth of women's roles in commercial Indian films suggests the stereotypical portrayal of women. This stereotypical portrayal of women in Indian cinema is mainly due to historical and cultural reasons. Another popular portrayal of women in Indian movies is the character of a vamp, which is exactly the opposite of the role of an ideal wife or mother. The vamps were characterized as women who showed disrespect for tradition values by emulating Western

women. Furthermore, they were shown drinking, smoking, partying, visiting nightclubs and being promiscuous. Women in commercial Indian films are often seen dancing in tribal dresses or in a wet sari to cater to men's erotic fantasy. The Indian cinema industry also objectifies women according to the male gaze. The industry also endorses the actresses to be young because the audience in a male dominated society appreciates a blossoming, youthful, charming leading lady, who not only appears physically attractive to the male lead but also dances sensuously to a song.

The changing scenario of Bollywood films has its long history. The most famous women centric films in Bollywood are Mother India (1957), Bhumika (1977), Arth (1982), Mirch Masala (1987), Aastha (1997), Astitva (2000), Lajja (2001), Dor (2007), The Dirty Picture (2011), Kahani (2012), English Vinglish (2012) and Queen (2014). The new millennium is an exciting age for Bollywood which also witnessed the astonishing girl power with some brilliant movies like Queen, Mardaani, Revolver Rani, Mary Kom, Gulaab Gang, Piku, NH10, Ki and Ka, Massan, Tanu Weds Manu Returns, Neerja, Jay Gangajal, Sarabjit, Chalk and Duster, Perched, Nil Battey Sannata, Pink, Dangal Padman, Padmavat, Manikarnika- The Queen of Jhansi, Raazi, Pari, Hichki and Veeray Di Wedding etc.

At the conclusion of this article I would say, women in our society are perceived and therefore represented as inferior beings. The realities of the patriarchal society and the standards set by it make the woman under confident and make her believe that the only form of security she can achieve is through obedience to the society that terrorizes her to begin with. This ideology perpetuated by the masculine world around her makes a woman consent to the unreasonable emotional, social and financial demands made upon her, all in the name of peace, happiness, order and security.



India tests first anti-satellite missile system, Codenamed Mission Shakti

Rajshree Pundlik Jadhav, B.Sc. III

Informative Writing

India conducted its first anti-satellite (ASAT) missile test on Wednesday, successfully destroying a low earth orbit satellite in space by using a missile which covered a distance of 300 km to engage the target.

India is only the fourth country to acquire such a specialised and modern capability.

India conducted its first anti-satellite (ASAT) missile test on Wednesday, successfully destroying a low earth orbit satellite in space by using a missile which covered a distance of 300 km to engage the target. New Delhi, however, emphasised that the test did not alter its commitment against weaponisation of outer space. Prime Minister Narendra Modi declared the test, called 'Mission Shakti', successful in a specially televised announcement.

The Election Commission later sought details as the announcement was made at a time when the Model Code of Conduct is in force ahead of general polls starting next month. "India's scientists have successfully hit a target in space with an anti-satellite missile. The target was a live satellite which was flying in a low earth orbit. The missile travelled a distance of almost 300 km from earth and hit the target within three minutes of its launch," PM Modi said in a rare televised declaration of new military capability.

Scientists told ET that the ASAT missile is among the most complex tests carried out by India and can be considered even more advanced than the development of submarine-launched missile systems which was the last big breakthrough in Indian missile technology. The test places India in a select group alongside the US, Russia and China, countries with demonstrated anti-satellite capability. On Wednesday, New Delhi also went to some lengths to explain that the test is in no way contrary to its declared position against weaponisation of space.

"The new capability we have developed is not

directed against anyone...India has always been opposed to the weaponisation of space and an arms race in outer space, and this test does not in any way change this position,"

PM Modi said. Officials said as per India's understanding, the test does not violate any international law or treaty obligation and is much less harmful than the Chinese ASAT test in 2007 that led to a large-scale scattering of debris in space that threatened other satellites. "The test was done in the lower atmosphere to ensure that there is no space debris. Whatever debris that is generated will decay and fall back onto the earth within weeks," a government statement read, adding that India has no intention of entering into an arms race in outer space. PM Modi described the test as being critical to protect Indian interests in space that has become a critical part of our day to day lives'.

"From the point of view of India's security and economic development, today's ASAT missile will give the country new strength," he said. Sources told ET that the missile system was under development since 2016 after the government gave a go-ahead and is a demonstration that the ballistic missile defence program is progressing at a good pace. DRDO said that the test, called 'Mission Shakti', was carried out from the APJ Abdul Kalam Island in Odisha and the interceptor was a three-stage missile with two solid rocket boosters.

"Tracking data from range sensors has confirmed the mission met all objectives," officials said, adding that the 'hit to kill' method was considered as the effective way to knock off a satellite in space. The Indian position is that

the ASAT test has provided 'credible deterrence' against threats to space-based assets from long-range missiles.

10 things you need to know about ASAT, India's new space slayer

Prime Minister Narendra Modi announced on Wednesday that India is now one of the few countries to take down satellites in space, after a DRDO missile tested off the Odisha coast successfully hit a low Earth orbit (LEO) satellite. The Anti-Satellite (ASAT) test has also raised a number of questions about its capabilities. Here is all you need to know about India's new space slayer.

What was the test?

On March 27, 2019 India conducted Mission Shakti, an anti-satellite missile test, from the Dr. A P J Abdul Kalam Island launch complex. This was a technological mission carried out by DRDO. The satellite used in the mission was one of India's existing satellites operating in lower orbit. The test was fully successful and achieved all parameters and it required an extremely high degree of precision and technical capability. The significance of the test is that India has tested and successfully demonstrated its capability to interdict and intercept a satellite in outer space based on complete indigenous technology. With this test, the country joins an exclusive group of space faring nations consisting of USA, Russia, and China.

Which satellite was used?

The satellite used was an Indian satellite.

Which Missile/Interceptor was used?

The DRDO's Ballistic Missile Defence interceptor was used, which is part of the ongoing ballistic missile defence programme.

There are other ways to demonstrate ASAT capabilities such as "fly-by tests" and jamming. Why has India used the particular technology of KineticKill?

This is a technology where India has developed capability. Space technologies are constantly evolving and India has used the technology that is appropriate to achieve the objectives set out in this mission.

Does the test create space debris?

The test was done in the lower atmosphere to ensure that there is no space debris. Whatever debris that is generated will decay and fall back onto the earth within weeks.

Why did India do the test ?

India has a long standing and rapidly growing space programme. It has expanded rapidly in the last five years. The Mangalyaan Mission to Mars was successfully launched. Thereafter, the government sanctioned the Gaganyaan Mission which will take Indians to outer space.

Why was the test done now?

According to the government, the tests were done after the country had acquired the required degree of confidence to ensure its success, and reflects the intention of the Indian government to enhance India's national security. India has seen an accelerated space development programme since 2014.

Is India entering into an arms race in outer

Mission Shakti

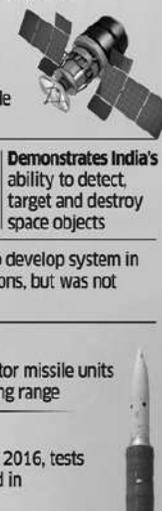
WHAT
 Obsolete satellite destroyed by DRDO-developed ballistic missile interceptor missile

Satellite was at height of 300 km, was tracked with sensors that confirmed the kill | **Demonstrates India's ability to detect, target and destroy space objects**

DRDO had capability to develop system in 2012: made presentations, but was not given go-ahead

WHERE
 Ground-based interceptor missile units based in Balasore testing range

WHEN
 Preparations started in 2016, tests carried out in 2017 and in February this year



HOW
 Interceptor missile directly hit satellite, using kinetic energy to destroy target

WHO ELSE
 US, Russia and China have demonstrated anti-satellite capabilities

FOLLOW-UP
 India says test done with low earth orbit satellite as debris will not endanger other satellites and will be burnt while entering earth's atmosphere

Says no international norms violated, reiterates it is against weaponisation of space and does not wish to enter into arms race



हिंदी दिन निमित्त मार्गदर्शन करताना सिने कलाकार श्रद्धा गायकवाड, उपस्थित प्राचार्य डॉ. व्ही. एस. ढेकळे व प्रा. हिरामण टोंगारे



माध्यमिक शाळा स्पर्धा उद्घाटन प्रसंगी प्रा. डॉ. युवराज भोसले, उपस्थित मा. श्रीमंत इंद्रजितराजे डफळे व मा. श्रीमंत शार्दूलराजे डफळे



स्पर्धा परीक्षा विभागातर्फे आयोजित कार्यक्रमात प्रास्ताविक करताना डॉ. व्ही. एस. जाधव व्यासपीठावर प्रा. पाटील एस. एम.



भूगोल विभाग आयोजित विशेष व्याख्यान-मार्गदर्शन करताना डॉ. आर. जी. चव्हाण



अभिरुप संसदेचे प्रत्यक्षात अनुभव घेताना विद्यार्थी व मार्गदर्शन करताना प्राध्यापक



रसायनशास्त्र भितीपत्रिकेचे उद्घाटन करताना डॉ. संजय साठे व प्राध्यापक



संविधान दिन निमित्त भितीपत्रिकेचे उद्घाटन करताना प्राचार्य डॉ. व्ही. एस. ढेकळे



रसायनशास्त्र पदव्युत्तर मान्यतेसाठी तपासणी करताना डॉ. गोकावी जी.एस., डॉ.बी.एस. सरगर



ग्रंथ प्रदर्शनाचे उद्घाटन करताना प्राचार्य डॉ. व्ही. एस. ढेकळे व ग्रंथपाल अभय पाटील

SENIOR SCIENCE SECTION

Mr. D. A. Kumbhar

INDEX

Sr. No.	Artical Name	Student Name	Page No.
1.	Dmitri Mendeleev: The father of Periodic Table	Samadhan Waghmode, B.Sc. III (Chemistry)	82

P. G. SECTION

Dr. Sanjay Latthe

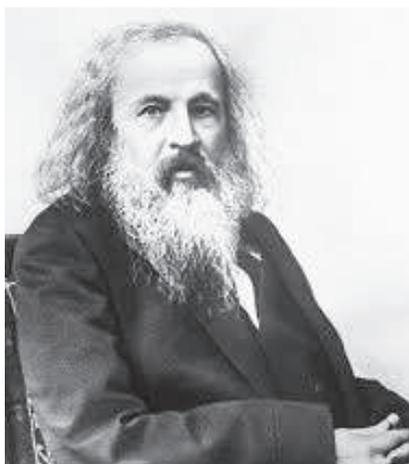
INDEX

Sr. No.	Artical Name	Student Name	Page No.
1.	Stephen Hawking: "There is no God". Albert Einstein: "There is".	Rajaram S. Sutar, Ph. D. Student (Physics)	85
2.	Oil-Water Separation by Super hydrophobic Leaf Mesh coated with SiO ₂ Nanoparticle- Polystyrene Nanocomposite	Shrutika S. Kshirsagar, M.Sc.- II (Physics)	87
3.	गांधीजी के सपनों का भारत	प्रशांत सुनिलदत्त यादव, एम.एस्सी २	91
4.	God Particles	Tejaswini Bhimrao Shinde, M.Sc. (Physics)	93
5.	Success Starts with you Being Different...	Pratiksha Babgonda Patil, M.Sc.- I (Physics)	94

Dmitri Mendeleev: The father of Periodic Table

Samadhan Waghmode, B.Sc. III (Chemistry)

A century and a half ago, Dmitri Mendeleev took a crucial step in this search for order among the elements, by publishing the first draft of his periodic table. In 2019 the world-wide community of chemists is celebrating this anniversary, and rightly so.



	Gruppe I. R'O	Gruppe II. RO	Gruppe III. R'O ³	Gruppe IV. RH ⁴ RO ²	Gruppe V. RH ⁵ R'O ⁵	Gruppe VI. RH ⁶ RO ³	Gruppe VII. RH R'O ⁷	Gruppe VIII. — RO ⁴
1	H = 1							
2	Li = 7	Be = 9.4	B = 11	C = 12	N = 14	O = 16	F = 19	
3	N = 23	Mg = 24	Al = 27.3	Si = 28	P = 31	S = 32	Cl = 35.5	
4	K = 39	Ca = 40	— = 44	Ti = 48	V = 51	Cr = 52	Mn = 55	Fe = 56 Co = 59 Ni = 60, Cu = 63.
5	(Cu = 63)	Zn = 65	— = 68	— = 72	As = 75	Se = 78	Br = 80	
6	Rb = 85	Sr = 87	?Yt = 88	Zr = 90	Nb = 94	Mo = 56	— = 100	Ru = 104, Rh = 104, Pd = 106, Ag = 104.
7	(Ag = 104)	Cd = 112	In = 113	Sn = 118	Sb = 122	Te = 125	J = 127	
8	Cs = 133	Ba = 137	?Di = 138	?Ce = 140	—	—	—	— — — —
9	—	—	—	—	—	—	—	— — — —
10	—	—	?Er = 178	?La = 180	Ta = 182	W = 184	—	Os = 195, Ir = 197, Pt = 198, Au = 199.
11	(Au = 199)	Hg = 200	Tl = 204	Pb = 207	Bi = 208	—	—	— — — —
12	—	—	—	Th = 231	—	U = 240	—	— — — —

Mendeleev's Periodic Table of 1871, redrawn by J. O. Moran, 2013

A century and a half ago, Dmitri Mendeleev took a crucial step in this search for order among the elements, by publishing the first draft of his periodic table. In 2019 the world-wide community of chemists is celebrating this anniversary, and rightly so. Like Stonehenge, the table reflects regularities in nature which were due to causes that remained mysterious when it was originally constructed. In this article, the first of two to celebrate the legacy of Dmitri Mendeleev, we look at his life and work.

Early Life

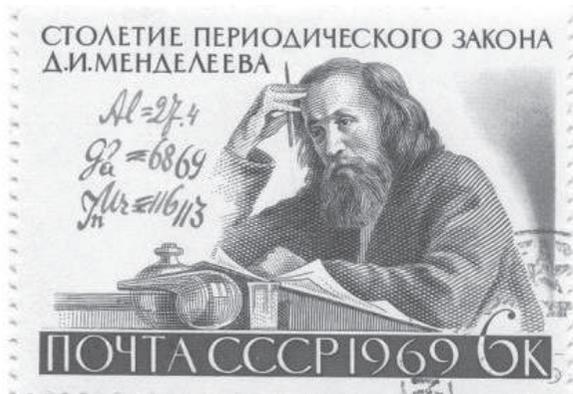
Mendeleev was born in 1834 in the far west of Russia's Siberia, the youngest of a dozen or more children (reports vary). His family faced one crisis after another. When Dmitri was little, his father, a teacher, went blind, and his mother went to work. She became the manager of a successful glass factory. Tragedy struck again in 1848, when the factory burned down, and the family faced poverty. Mendeleev's mother was determined to get him an education, and

travelled with him a great distance, to Moscow and then to St. Petersburg, to do so. Ten days after he was enrolled in school, his mother died of tuberculosis, a disease that had also taken his father, at least one of his siblings, and that Mendeleev himself would battle as a young adult. In 1861, Mendeleev returned to Russia from research in Europe and later taught at the Technical Institute in St. Petersburg. He found that few of the new developments in the field of chemistry had made their way to his homeland—something he was determined to change, lecturing enthusiastically about the latest advances. Only 27 years old, he cultivated the persona of an eccentric, with a flowing beard and long, wild hair that he was known to trim only once a year. Still, he was a popular professor.

Formulation of the Periodic Table

As he began to teach inorganic chemistry, Mendeleev could not find a textbook that met his needs. Since he had already published a textbook on organic chemistry in 1861 that had been

awarded the prestigious Demidov Prize, he set out to write another one. The result was *Osnovy khimii* (1868–71; *The Principles of Chemistry*), which became a classic, running through many editions and many translations. When Mendeleev began to compose the chapter on the halogen elements (chlorine and its analogs) at the end of the first volume, he compared the properties of this group of elements to those of the group of alkali metals such as sodium. Within these two groups of dissimilar elements, he discovered similarities in the progression of atomic weights, and he wondered if other groups of elements exhibited similar properties. After studying the alkaline earths, Mendeleev established that the order of atomic weights could be used not only to arrange the elements within each group but also to arrange the groups themselves. Thus, in his effort to make sense of the extensive knowledge that already existed of the chemical and physical properties of the chemical elements and their compounds, Mendeleev discovered the periodic law. His newly formulated law was announced before the Russian Chemical Society in March 1869 with the statement “elements arranged according to the value of their atomic weights present a clear periodicity of properties.” Mendeleev’s law allowed him to build up a systematic table of all the 70 elements then known. He had such faith in the validity of the periodic law that he proposed changes to the generally accepted values for the atomic weight of a few elements and predicted the locations within the table of unknown elements together with their properties. At first the periodic system did not raise interest among chemists.



Russian stamp issued in 1969 pays tribute to Mendeleev

However, with the discovery of the predicted elements, notably gallium in 1875, scandium in 1879, and germanium in 1886, it began to win wide acceptance. Gradually the periodic law and table became the framework for a great part of chemical theory. By the time Mendeleev died in 1907, he enjoyed international recognition and had received distinctions and awards from many countries.

Other Scientific Achievements

First, in the field of chemical science, Mendeleev made various contributions. In the field of physical chemistry, for instance, he conducted a broad research program throughout his career that focused on gases and liquids. In 1860, while working in Heidelberg, he defined the “absolute point of ebullition” (the point at which a gas in a container will condense to a liquid solely by the application of pressure). In 1864 he formulated a theory (subsequently discredited) that solutions are chemical combinations in fixed proportions. In 1871, as he published the final volume of the first edition of his *Principles of Chemistry*, he was investigating the elasticity of gases and gave a formula for their deviation from Boyle’s law (now also known as the Boyle-Mariotte law, the principle that the volume of a gas varies inversely with its pressure). In the 1880s he studied the thermal expansion of liquids.

A second major feature of Mendeleev’s scientific work is his theoretical inclinations. From the beginning of his career, he continually sought to shape a broad theoretical scheme in the tradition of natural philosophy. This effort can be seen in his early adoption of the type theory of the French chemist Charles Gerhardt and in his rejection of electrochemical dualism as suggested by the great Swedish chemist Jöns Jacob Berzelius. All his efforts were not equally successful. He based his 1861 organic chemistry textbook on a “theory of limits” (that the percentage of oxygen, hydrogen, and nitrogen could not exceed certain amounts in combination with carbon), and he defended this theory against the more popular structural theory of his countryman Aleksandr Butlerov.

Because of his antipathy to electrochemistry, he later opposed the Swedish chemist Svante Arrhenius's ionic theory of solutions. Before and during Mendeleev's time, many attempts at classifying the elements were based on the hypothesis of the English chemist William Prout that all elements derived from a unique primary matter. Mendeleev insisted that elements were true individuals, and he fought against those who, like the British scientist William Crookes, used his periodic system in support of Prout's hypothesis. With the discovery of electrons and radioactivity in the 1890s, Mendeleev perceived a threat to his theory of the individuality of elements. In *Popytka khimicheskogo ponimania mirovogo efira* (1902; *An Attempt towards a Chemical Conception of the Ether*), he explained these phenomena as movements of ether around heavy atoms, and he tried to classify ether as a chemical element above the group of inert gases (or noble gases). This bold (and ultimately discredited) hypothesis was part of Mendeleev's project of extending Newton's mechanics to chemistry in an attempt to unify the natural sciences.

Activities outside the Laboratory

Mendeleev carried on many other activities outside academic research and teaching. He was one of the founders of the Russian Chemical Society (now the Mendeleev Russian Chemical Society) in 1868 and published most of his later papers in its journal. He was a prolific thinker and writer. His published works include 400 books and articles, and numerous unpublished manuscripts are kept to this day in the Dmitri Mendeleev Museum and Archives at St. Petersburg State University. In addition, in order to earn money he started writing articles on popular science and technology for journals and encyclopaedias as early as 1859. His interest in spreading scientific and technological knowledge was such that he continued popular science writing until the end of his career, taking part

in the project of the Brockhaus Enzyklopädie and launching a series of publications entitled *Biblioteka promyshlennykh znany* ("Library of Industrial Knowledge") in the 1890s. Another interest, that of developing the agricultural and industrial resources of Russia began to occupy Mendeleev in the 1860s and grew to become one of his major preoccupations. He wrote projects to develop a coal industry in the Donets Basin, and he travelled to both Baku in Azerbaijan (then part of the Russian Empire) and to Pennsylvania in the United States in order to learn more about the petroleum industry. All told, he may have devoted more time to questions of national economy than to pure chemistry.

Like his lifelong commitment to the industrial development of Russia, Mendeleev's philosophical views may have been rooted in his family background in Siberia. However, it seems he developed a metaphysics of his own through his daily experience. In the 1870s the visit of a famous medium to St. Petersburg drew him to publish a number of harsh criticisms of "the apostles of spiritualism." In March 1890, Mendeleev had to resign from his chair at the university following his support of protesting students, and he started a second career. He first acted as a government consultant until he was appointed director of the Central Bureau of Weights and Measures, created in 1893. There he made significant contributions to metrology. Refusing to content himself solely with the managerial aspect of his position (which involved the renewal of the prototypes of length and weight and the determination of standards), he purchased expensive precision instruments, enlarged the team of the bureau, and conducted extensive research on metrology. After a few years he published an independent journal of metrology. Thus, Mendeleev was able to combine his lifetime interests in science and industry and to achieve one of his main goals: integrating Russia into the Western world.



Oil-Water Separation by Super hydrophobic Leaf Mesh coated with SiO₂ Nanoparticle-Polystyrene Nanocomposite

Shrutika S. Kshirsagar, M.Sc.- II (Physics)

Herein, we report a pioneer, novel and simple approach to fabricate crater-like superhydrophobic leaf mesh for oil-water separation application. A naturally dried Tectona Grandis leaf mesh deposited with SiO₂ nanoparticle - polystyrene (SiO₂-PS) nanocomposite revealed excellent superhydrophobic and superoleophilic properties.

Herein, we report a pioneer, novel and simple approach to fabricate crater-like superhydrophobic leaf mesh for oil-water separation application. A naturally dried Tectona Grandis leaf mesh deposited with SiO₂ nanoparticle - polystyrene (SiO₂-PS) nanocomposite revealed excellent superhydrophobic and superoleophilic properties. The obtained multifunctional leaf mesh exhibited fast separation of various oils like petrol, kerosene, diesel, coconut oil from oil-water mixtures with separation efficiency greater than 95%, which lasts long for more than 18 separation cycles.

1. Introduction

High contact angle and quick rolling of water drops on superhydrophobic lotus leaf caught the attention of researchers. Over the last two decades, the technology behind the excellent non-wetting properties of lotus leaves has been successfully transferred in real life applications. Superhydrophobic surfaces have invaded diverse research areas including self-cleaning, anti-bacterial, anti-reflection, anti-fogging, anti-staining, anti-corrosion, anti-fouling, anti-freezing, biological/chemical sensors, drag reduction and oil-water separation [1-5]. Among these research areas, rapid and efficient oil separation from oil-water mixtures using superhydrophobic-superoleophilic mesh, foam, textiles and sponges is the current leading topic [6-9]. Environment is being adversely affecting by means of fast growing industrialization. The sensitive issue of water pollution has erupted

due to continuous discharge of oily wastewater through industries. The tedious, time consuming and costly traditional techniques [10] used for oil-water separation are being gradually replaced by multifunctional superhydrophobic-superoleophilic porous materials. Since last decade, various strategies have been adopted to fabricate the multifunctional porous materials for effective oil-water separation.

In the present research work, we adopted a very simple and novel strategy to deposit a SiO₂-PS nanocomposite on naturally dried Tectona Grandis leaf mesh. The silica nanoparticles were incorporated in the nanocomposite to attain the rough micro/nanostructure that facilitated both superhydrophobic and superoleophilic surface properties. The results of oil-water separation capability and recyclability of the superhydrophobic leaf mesh is coming to be surplus with that of the superhydrophobic surfaces developed on SS and/or Cu meshes in earlier reports.

2. Materials and Methods

2.1 Materials and Fabrication of superhydrophobic leaf mesh

Polystyrene (PS; 192,000 g/mol, Sigma-Aldrich), Hydrophobic SiO₂ nanoparticles (AEROSIL RX 300-5, Surface area~210 m²/gm, Nippon AEROSIL Co. Ltd, Japan), Chloroform (99% LR grade, Sisco Research Laboratories Pvt. Ltd., India) were obtained. The petrol, kerosene, diesel (Bharat Petroleum Corporation Limited, India), coconut oil (Parachute Advansed, India)

and lubricant oil (Castrol Activ, India) were bought. The naturally dried leaf mesh were collected from the *Tectona Grandis* tree.

During the fabrication of superhydrophobic leaf mesh, at first, naturally dried *Tectona Grandis* leaf mesh (Fig. 1a) were washed under smooth running water to remove any remaining pulp, dust or dirt from the skeleton (Fig. 1b). The approximate pore size of the leaf mesh is 0.6 to 1.0 mm. The thoroughly washed leaf mesh were kept for drying at room temperature. As shown in Fig. 1c, the SEM image confirms the irregular mesh like microstructure of *Tectona Grandis* leaf. Normally, the leaf mesh pieces of nearly $4 \times 4 \text{ cm}^2$ in area were cut for the nanocomposite deposition. A schematic illustrating the fabrication of superhydrophobic leaf mesh is shown in Fig. 2. A 100 mg/ml PS solution in chloroform was prepared using magnetic stirring for 1 h. The coating solutions containing 10, 20, 30 and 40 mg/ml of hydrophobic SiO_2 nanoparticles in PS solution were prepared and kept under constant stirring for 30 min. In the final step, a leaf mesh was immersed in coating solution for 1 min, taken out and dried at 50°C for 1 h. Hereafter, leaf mesh coated from 10, 20, 30 and 40 mg/ml of SiO_2 -PS nanocomposite solutions were labelled as SPN-1, SPN-2, SPN-3, and SPN-4 samples, respectively.

2.2 Characterizations

The surface morphologies, chemical compositions and wetting properties of the superhydrophobic leaf mesh were analyzed by Field Emission Scanning Electron Microscopy (JEOL, JSM-7610F, Japan), and Contact angle meter (HO-IAD-CAM-01, Holmarch Opto-Mechatronics Pvt. Ltd. India), respectively. The water contact angle (WCA) and oil contact angle (OCA) were checked at several positions on the samples and the averaged values are reported. The gravity-driven oil-water separation was performed using various oils like petrol, kerosene, diesel, coconut oil and lubricating oil. The water was dyed with methylene blue for clear optical appearance.

3. Results and discussion

3.1 Morphology, Wettability and Chemical Composition of the Superhydrophobic Leaf Mesh

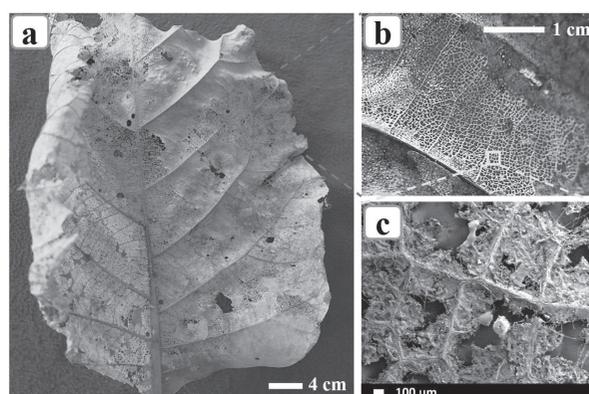


Fig. 1: (a) Photograph of naturally dried *Tectona Grandis* leaf mesh, (b) magnified photograph of leaf mesh, and (c) FE-SEM image of leaf mesh.

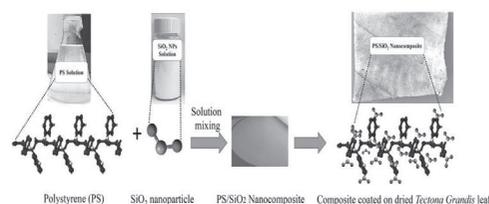


Fig. 2: A schematic illustrating the fabrication of superhydrophobic leaf mesh.

The FE-SEM images of SPN-4 sample depicts the complete and uniform deposition of SiO_2 -PS nanocomposite on leaf mesh (Fig. 3a). This nanocomposite deposition exhibits crater-like structure with non-uniform crater sizes ranging from $1\text{-}20 \mu\text{m}$ (Fig. 3b). The formation of non-uniform crater-like structure might be due to the quick evaporation of chloroform from the nanocomposite. The enlarged view of crater-like structure (Fig. 3d) exhibits the closely bound silica nanoparticles in polymer structure forming the rough micro/nanostructure. The crater-like microstructure can facilitate the air trapping which is prerequisite for excellent superhydrophobicity [11]. A water drop partially settles on the air pockets trapped in crater-like structure having minimum contact with solid fraction (i.e. Cassie-Baxter state). The water drops placed on SPN-4 sample revealed CA around $162^\circ \pm 2^\circ$ and rolled off at an angle less than $7^\circ \pm 1^\circ$ whereas oil (petrol) drops eventually get absorbed with almost 0° contact angle.

3.2 Oil-water Separation Capability

The oil-water separation capability of the

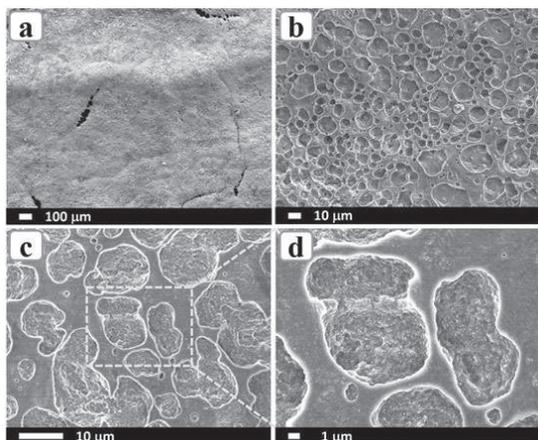


Fig. 3 (a-d): FE-SEM images of superhydrophobic leaf mesh (SPN-4 sample) at different magnifications.

as prepared superhydrophobic leaf mesh was evaluated by separating various kinds of oils from the oil-water mixtures. A setup of the oil-water separation is shown in Fig. 4. A hole of nearly 2.3 cm in diameter was shaped at the bottom of a glass beaker. An epoxy resin glue was applied on the outer part of the bottom of a beaker and the SPN-4 sample was firmly attached on it. After drying for 30 min at room temperature, water was poured in the beaker and kept for 30 min to ensure no leakage. The results of gravity-driven oil-water separation performed using SPN-4 sample are depicted in Fig. 5. The various oils having different viscosities and this property was utilized to separate petrol, kerosene, diesel, coconut oil and lubricant oil from oil-water mixtures. As the oils float on water surface, hence, to demonstrate oil-water separation performance, oil was poured in the beaker followed by streaming of water. A 20 ml of petrol poured in the beaker quickly permeated through the mesh and was collected in the beaker underneath, whereas the same amount of poured water retained in the beaker above the mesh. All the oils (~20 ml) except lubricant oil permeated through the superhydrophobic leaf mesh in less than 1 min, whereas lubricant oil took more than 12 min.

The separation efficiency was determined by taking a mass percentage ratio of the oil, after and before the separation process [12]. As depicted in Fig. 6, the low viscosity oils exhibited the separation efficiency greater than 95% due

to their fast permeation through crater-like microstructure of the mesh and maintained it for more than 18 separation cycles. However, a highly viscous lubricant oil partially get stuck into the mesh showing the reduced separation efficiency of almost 89%, which adversely affects the separation cycle ability to 4. The perfect separation efficiency during oil-water

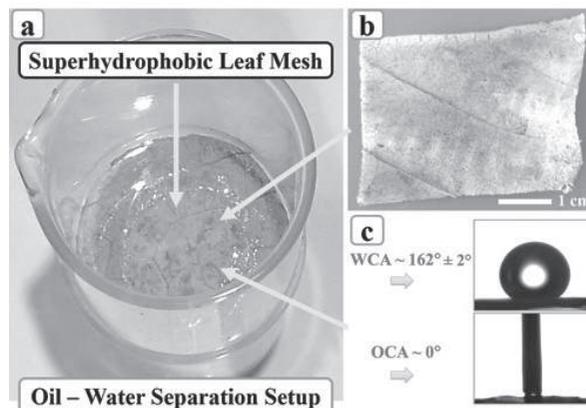


Fig. 4: Photographs of (a) oil-water separation setup, (b) superhydrophobic leaf mesh (SPN-4 sample), and (c) water and oil contact angles on SPN-4 sample.

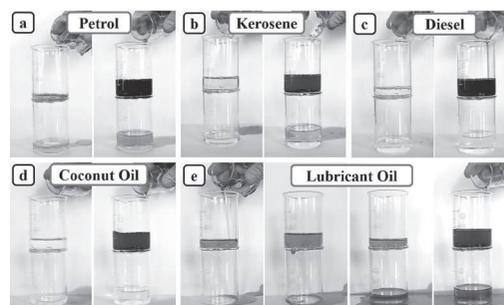


Fig. 5: Photographs of oil-water separation process (gravity based) by SPN-4 sample, (a) petrol, (b) kerosene, (c) diesel, (d) coconut oil, and (e) lubricant oil.

separation could not be attained due to loss of oils due to evaporation, partial absorption into the mesh structure, and fractional wetting to the containers. Besides, the separation efficiency gradually reduced after 18 cycles of oil-water separation. This is thought to be due to the gradual removal of the deposited nanocomposite in each cycle, leaving behind the actual mesh structure. To confirm this, a 20 ml petrol was constantly permeated through the membrane

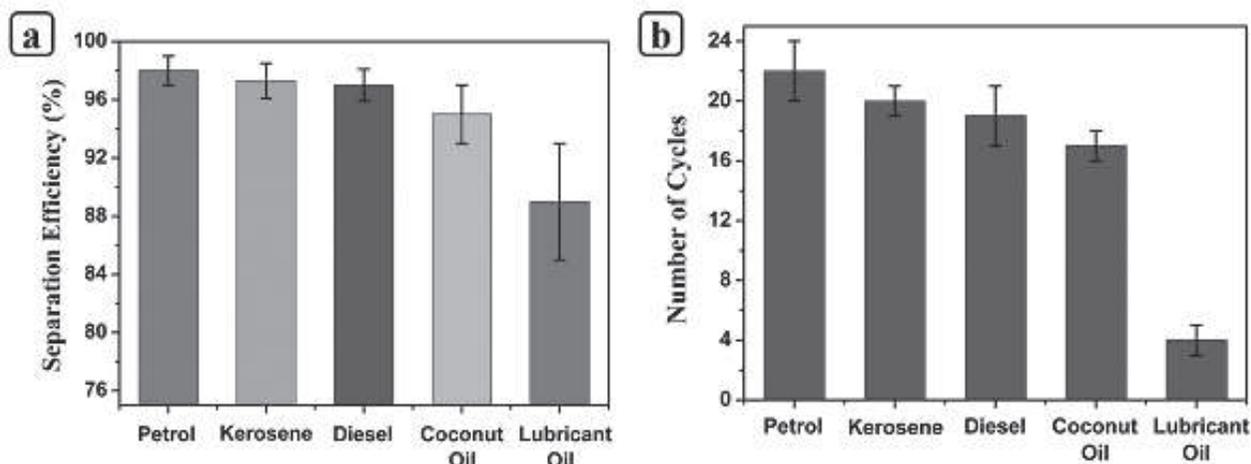


Fig. 6: (a) A separation efficiency and (b) recyclability of SPN-4 sample.

for about 50 cycles and the glass substrate was dip coated using this collected petrol. The coated glass substrate exhibited a WCA of nearly $53^{\circ} \pm 6^{\circ}$, confirming the loss of nanocomposite from the mesh structure.

4. Conclusions

A naturally available *Tectona Grandis* leaf mesh were superbly employed for efficient oil-water separation application. The crater-like superhydrophobic leaf mesh was fabricated by simple deposition of SiO₂-PS nanocomposite on which the water drops follow Cassie-Baxter

wetting state, whereas the oil drops fall in Wenzel wetting regime. Like other superhydrophobic materials prepared on commercially available SS and/or Cu mesh, the as prepared superhydrophobic leaf mesh also exhibited excellent oil-water separation efficiency greater than 95% for more than 18 separation cycles. Our present study will encourage the researchers to search out other stable leaf meshes available in Mother Nature. The total cost of oil-water separation process can be greatly reduced in near future by adopting such novel approaches.



महिलाओं तक अपनी आवाज पहुँचाई और उनमें चेतना जगायी।

दहेज प्रथा का गांधीजी ने न केवल घोर विरोध किया बल्कि उनका विचार था कि यह प्रथा नष्ट होनी चाहिए। गांधीजी ने दहेज प्रथा के उन्मुलन के लिए जाति-बंधन को तोड़ने पर जोर दिया। उन्होंने विधवाओं के पुनर्विवाह को उचित ठहराते हुए कहा कि अगर इस पावित्र्य की और हिंदु धर्म की रक्षा करना चाहते हैं, तो इस जबदस्ती लादे जानेवाले वैधव्य के विषय से हमें मुक्त होना ही होगा। इस सुधार की शुरुआत उन लोगों को करनी चाहिए, जिनके यहाँ बाल-विधवाएँ हो। उन्होंने इसे और स्पष्ट करते हुए कहा कि बाल विधवाओं के इस विवाह को मैं पुनर्विवाह का नाम नहीं देना चाहता, क्योंकि मैं जानता हूँ कि उनका विवाह हुआ ही नहीं।

गांधीजी ने पंचायत राज के बारे में जो सपना देखा था वह साकार हो चुका है। गांधीजी ने 'मेरे सपनों का भारत' में पंचायत राज के बारे में जो विचार व्यक्त किये हैं वे आज

वास्तविकता के धरातल पर साकार हो चुके हैं क्योंकि देश में समान तीन-स्तरीय पंचायत राज व्यवस्था लागू हो चुकी है जिसमें हर एक गांव को अपने पांव पर खड़े होने का अवसर मिल रहा है। गांधीजी ने कहा था, "अगर हिंदुस्थान के हर एक गाँव में कभी पंचायती राज कायम हुआ तो मैं अपनी इस तस्वीर की सच्चाई साबित कर सकूँगा, जिसमें सबसे पहला और सबसे आखिरी दोनों बराबर होंगे या ये कहिए कि न तो कोई पहला होगा, न आखिरी।"

महात्मा गांधीजी के बहुत से क्रांतिकारी विचार जिन्हें उस समय नकारा जाता था, बल्कि अपनाये भी जा रहे हैं। आज के पीढ़ी के सामने यह स्पष्ट हो रहा है कि गांधीजी के विचार आज भी उतने ही प्रासंगिक हैं, जितने उस समय थे। वर्तमान राजनितिक तंत्र के लिए गांधीगिरी आज के समय का मंत्र बन गया है। यह सिद्ध करता है कि उनके विचार इक्कीसवीं सदी के लिए भी सार्थक और उपयोगी हैं।



as we learn more about it. Either result that the Higgs Boson exists, or does not exist - represents a step forward in human knowledge and another step forward in our appreciation of God's awe - inspiring Universe. Whether or not there is a

"God particle". We know this about christ : "For by him all things were created : things in heaven and on earth, visible and invisible... all things were created by him and for him."



Success Starts with you Being Different...

Pratiksha Babgonda Patil, M.Sc.- I (Physics)

Not being afraid to challenge the norm. Being willing to take a chance. Making your own track, not just following the well troden path. Charting my own course and destiny. Being the person that I was meant to be.

What Does Being Different Mean :

Being different means : Not being afraid to challenge the norm. Being willing to take a chance. Making your own track, not just following the well troden path. Charting my own course and destiny. Being the person that I was meant to be.

I believe that everyone is born unique. But through the years we work very hard to be like everyone else. We are all gifted with a unique set of skills and abilities. With those abilities we can make extra ordinary things happen in the world around us, or not. It is completely upto you whether you want your life, to make a different and what difference you want your life to make.

Creativity is the ability to produce new, diverse and unique ideas. Thinking creativity

means looking at things from a different perspective and not to restricted by rules, customs or norms. Innovation is the implementation of creativity, the introduction of new ideas, process or product creativity provides the necessary spark to get the ball rolling.



The human mind is the ultimate creativity machine. Fuel it with the right and leave it alone. For some time to function as it has been designed. When this perfect brew occurs, the output is often stunning and unbelievable. Success

is the opposite of being like everyone else.

"I know that I have an abundance of potential within me and I will bring it out to fruition Why?"

"Because..... I'm Different"

English Section - Prof. B. B. Patil			
२५.	Memories	Shruti M. Koli, 11 th Science - A	१०७
२६.	The Role of Students in Social Service	Shardha Kashinath Balvantrao, 11 th Com.	१०८
२७.	The Most Inspiring Albert Einstein Quotes of All Times	Collection by - Rani U. Kambale, 11 th Science - A	१०९
२८.	Jageshwar - Abode of Twelve Jyotirlings	Saujanya R. Mahajan, 11 th Science - A	११०
२९.	Farmer : Backbone of Economy	Shital A. Mane, 11 th Science - A	१११

अहवाल विभाग अनुक्रमणिका

१.	राष्ट्रीय छात्र सेना	११५
२.	राष्ट्रीय सेवा योजना	११६
३.	अग्रणी महाविद्यालय योजना	११७
४.	हिंदी विभाग	११७
५.	Department of English	११८
६.	संस्थामाता श्रीमती सुशिलादेवी साळुंखे महिला वसतिगृह	११८
७.	इतिहास विभाग	११९
८.	भूगोलशास्त्र विभाग	११९
९.	महिला तक्रार निवारण समिती	१२०
१०.	जिमखाना अहवाल	१२१
११.	स्पर्धा परिक्षा विभाग	१२२
१२.	सांस्कृतिक विभाग	१२३
१३.	Department of Zoology	१२४
१४.	श्रीमंत विजयसिंहराजे डफळे ज्ञान स्रोत केंद्र	१२४
१५.	अर्थशास्त्र विभाग	१२४
१६.	राज्यशास्त्र विभाग	१२५
१७.	Department of Chemistry	१२५
१८.	Department of Mathematics	१२६
१९.	मराठी विभाग	१२७
२०.	वाणिज्य विभाग	१२७
२१.	Department of B.C.A.	१२८
२२.	प्राध्यापक प्रबोधिनी	१२९
२३.	Department of Physics	१२९

२४.	Science Association	१३०
२५.	एस. ए. फंड समिती	१३०
२६.	Dr. V. S. Dhekale	१३१
२७.	Mr. D. A. Kumbhar	१३१
२८.	Mr. G. D. Salunke	१३२
२९.	Dr. V. S. Jadhav	१३२
३०.	Mr. H. D. Tongare	१३३
३१.	Mr. R. D. Karande	१३३
३२.	Mr. K. K. Rangar	१३४
३३.	Mr. R. S. Banasode	१३४
३४.	डॉ. बी. एम. डहाळके	१३५
३५.	सौ. एन. व्ही. मोरे	१३५
३६.	Mr. R. B. Patil	१३६
३७.	Mr. P. J. Choudhary	१३६
३८.	Mr. A. T. Shinde	१३७
३९.	Dr. A. K. Bhosale	१३७
४०.	Dr. S. S. Latthe	१३८
४१.	Ms. L. P. Saptal	१४०
४२.	डॉ. एस. जी. गावडे	१४०
४३.	Dr. S. R. Kulal	१४१
४४.	Ms. S. B. Deshmukh	१४२
४५.	श्री. ए. एच. बोगुलवार	१४२
४६.	Dr. R. A. Lavate	१४३
४७.	Mr. A. R. Herwade	१४४

माँ

मयुरी तोडकर, ११ वी कला

माँ का रूप भगवान के समान होता है। भगवान हर जगह नहीं ठहर सकते इसीलिए उन्होंने माँ बनाई है। माँ के सामने सब झुक जाते हैं। ऐसी ही माँ होती है।

माँ का रूप भगवान के समान होता है। भगवान हर जगह नहीं ठहर सकते इसीलिए उन्होंने माँ बनाई है। माँ के सामने सब झुक जाते हैं। ऐसी ही माँ होती है। तभी हमारे भारतीय संतो, सज्जनों ने कहाँ है, स्वामी तिनो ब्रम्हांड का, माँ के बिना भिकारी होता है। हम सभी लोगों की माँ बहुत अच्छी, सुंदर, हर काम में सबकी मदद करनेवाली और घर का, बाहर का सब काम सँभालनेवाली



आदर करना चाहिए।

अंत में इतना हि कहूँगी कि,

शक्ति वो है,

भक्ति वो है,

ज्ञान की देवता-भी वो है,

संस्कारों की मूर्ति वो है,

शांतता और सहनशीलता की लाठी भी वो है,

ऐसी ही हम सभी लोगों की प्यारी माता होती है।



देश के रखवाले

सुनिल आनंदा सोलनकर, ११ वी - अ

देश के रखवाले

वीर गती को प्राप्त हो गए।

जान देकर इस देश का,

कर्ज अदा कर गए।

बलिदान के धरती पर

खुद का सहारा छोड़ गए।

हे वीर तुम्हारे,

हर बुँद की कसम

ना जाने देंगे।

बेकार तुम्हारा बलिदान।

भारत माँ की तरफ उठनेवाले की नजर

हर शातीर दिमाग को कटियार से काँट देंगे।

हे वीर तुम घबराना मत

इस धरती के लिए लहू

क्या जान भी देंगे।

माँ सभी को संस्कार की शिक्षा देती है। भारतीय पौराणिक वेदों-में रामायण, महाभारत आदि महत्त्वपूर्ण पुस्तकों में माँ का महत्व और उसकी ममता बताई गई है। माँ अपना दुःख, गम भुलकर हमेशा अपने परिवार को आधार देती है। और हमेशा सभी को आनंदित रखती है। सभी लोकों को अपनी माँ का अभिमान होता है। माँ ईश्वर की देन है। माँ के बिना यह सारा संसार फिका है। माँ सभी का दुःख समझ लेती है और उसपर खुशी का टिका लगाती है। हमेशा अपने परिवार के खुशी और उन्नति के लिए लड़ती रहती है। माँ हमेशा अपने बच्चों को अच्छा संस्कार देती है। वह शांतता, सहनशीलता, प्रमाणिकता इन गुणों की मूर्ति होती है। यह संसार माँ के बिना चल नहीं सकता और माँ ही एक ऐसी व्यक्ती है जो सबको यश के शिखर के उपर ले जाती है। हमे अपने माँ का हमेशा

भगवान का तोहफा

अंबिका माळी, १२ वी कला

सच कहा जाए तो माता-पिता का अपने जीवन में श्रेष्ठ स्थान है। माता-पिता के अच्छे संस्कारों की तुलना किसी भी चीज से नहीं हो सकती। दुनिया की कोई भी ताकद इनकी महानता के आगे सर झुकाती है। हमारी सफलता का एकमात्र कारण है माता-पिता। इन्होंने हमें एक नई दुनिया दिखाई है।

निंद अपनी भूलाकर
सुलाया हमको
आँसू अपने गिराकर
हँसाया हमको
दुःख कमी न देना
हे भगवान!

दूनिया कहती है माँ-बाप उनको।

सच कहा जाए तो माता-पिता का अपने जीवन में श्रेष्ठ स्थान है। माता-पिता के अच्छे संस्कारों की तुलना किसी भी चीज से नहीं हो सकती। दूनिया की कोई भी ताकद इनकी महानता के आगे सर झुकाती है। हमारी सफलता का एकमेव

कारण है माता-पिता। इन्होंने हमें एक नई दूनिया दिखाई है।

भगवान ने हमारी रक्षा और लालन-पालन के लिए भेजे हुए एक फरिश्ते हैं। इसलिए हमारे जीवन में एक अच्छी सीख है। संस्कार, दया, अच्छाई-बुराई इन सबको समझानेवाले हमको सही राह दिखाने वाले वही हैं। जब हमारे सामने कोई भी समस्या आए तो हम माता या पिताजी को बताते हैं। इन्होंने ही हके ज्ञान दिया है। इन्होंने सबका आदर और गुरु का मानसन्मान करना सिखाया है। हमारे माता-पिता को कभीभी भूलना नहीं चाहिए। इसलिए कहते हैं की....

ये तो सच है की भगवान है,
है, मगर फिर भी अंजान है।

हिंदी

काजल मोरे, १२ वी कला - ब

हिंदी हमारी जान है।
हिंदी हमारी शान है।
हिंदी हे हमारी राष्ट्रभाषा।
सबसे अच्छी है भाषा।
हिंदी के अध्यापक हे अच्छे।
इसलिए बच्चे बन रहे हैं मन के सच्चे।
हिंदी हमारी शान बढ़ाती है।
हिंदी हमारी मान बढ़ाती है।
सबसे अच्छे हैं हिंदी के दोहे।
कबीर और रहीम के।
हिंदी हमारी जान है।
हिंदी हमारी शान है।



जीवन

कावेरी बेटगरी, १२ वी कला - ब

जीवन क्या है,
जीवन एक आशा है।
उसमें भी कभी-कभी निराशा है,
फिर भी जीना है
इसको जीवन कहत है।
जीवन क्या है
बुराई पर मात करके
अच्छाई का मार्ग अपनाना है
झूठ का पर्दाफाश करके
सच्चाई को अपनाना है,
इसीको जीवन कहते हैं।

Memories

Shruti M. Koli, 11th Science - A

I Ever forget those memories,
which I spent with my family
specially with my Mom & Dad
I ever forget!

I ever forget those memories,
which I spent with my best friends
the quarreling, the fighting
and so on things were happend
But the friendship can't decrease by a peace also

I ever forget the thoughts which
My friends and family gave me like
Live your life before
life leave you

This thought changer my life
I ever forget that moment
when I am sad

My friends are in sorrow
when I am happy

My friends feel like
they are in heaven
which means a lit for me
so I ever forgot those memories
How would I forget

some times I hurt them

I feel very sorry for that moment

My heart can't forget those memories

& when those memories are with me,

then I feel like I am in heaven

when I forgot those memories

I feel like I am in heal

The memories are enough to leave my life,

The feeling of loneliness can't come across me

This is enough to leave my life

without any aim

because my aim is

to collect those memories

when a life named screen

shows low battery

we can't find family named charger

at that time who came in my life

like a power bank,

and save me

those are my friends

I ever forgot those memories

I ever forgot!



The Role of Students in Social Service

Shardha Kashinath Balvantrao, 11th Com.

Man is a social animal. We can't live without society so, it is our duty to do something for the society in the form of social services. There are different types of social service which we can do for society. For example-blood donation camp, tree plantation program, etc.

The period which we spend in schools, colleges and universities to receive education is called the student life. It is the most important of our life our whole future depends on it student life is the most important time in life. The main duty of a student is to study. He should attend the classes regularly. He should be careful in preparing his lessons. It is called the seed time of life.

The primary duty of a student is to acquire knowledge. He should go to school and listen to the teachers. He must be dutiful and hardworking. He must keep good company - student life is the best part of a man's life. In this period he is free and has not much worldly worry. Usually he has not to earn money for his living. So, it is the most pleasant period of life during the holidays he can go to the villages and make people aware of importance of education. He can set up night schools in his localities.

Student can help them to keep away themselves from any type of addiction. Also student can give money and cloths to the needy people also student can help the people by giving them food or water at the time of natural disasters such as earthquakes or flood. They can make the general people conscious of education, rules of health and sanitation an population control. They can also teach the farmers about scientific methods

of cultivation and stand by the affected people during natural calamities.

The first and foremost duty of a student is to study. But along with studies if necessary, students should render services to educate the huge number of uneducated people. They can set up high schools to teach the uneducated working children and the illiterate adults. During vacation, they can go to villages to teach the village folk.

Bangladesh is an agricultural country and the progress of country depends on the advancement of agriculture. But our farmers do not know the scientific methods of cultivation. So, the students should teach them about the modern method of cultivation - They can also inspire them to cultivate fish or to raise poultry so, that they can be financially solvent. Most of the people of our country are uneducated and they do not have the knowledge of health and sanitation can teach them the rules of a health, sanitation, nutrition and population control. Female students can teach the uneducated women how they can keep their houses neat and clean. During natural calamities students service is the most valuable. During flood, cyclone or famine, they should by the affected people. They can raise funds from the rich and provide the affected people with foods and clothes. The medical student should provide them with free medical treatment.

Student life is the time for preparation so, he should make proper use of time during his student life. He must learn the discipline. He will never be idle student have to render some services to the society especially in a developing our country.



The Most Inspiring Albert Einstein Quotes of All Times

Collection by - Rani U. Kambale,
11th Science - A

- Few are those who see with their own eyes and feel with their own hearts.
- Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world.
- Unthinking respect for authority is the greatest enemy of truth.
- Try not to become a man of success, but rather try to become a man of value.
- I am by heritage a Jew, by citizenship a Swiss, and by makeup a human being, and only a human being, without any special attachment to any state or national entity whatsoever.
- Great spirits have always encountered violent opposition from mediocre minds.
- Not everything that can be counted counts, and not everything that counts can be counted.
- Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid.
- Look deep into nature, and then you will understand everything better.
- All religions, arts and sciences are branches of the same tree.
- Any intelligent fool can make things bigger and more complex... It takes a touch of genius – and a lot of courage to move in the opposite direction.
- A man should look for what is, and not for what he thinks should be.
- In the middle of difficulty lies opportunity.
- A person who never made a mistake never tried anything new.
- Education is what remains after one has forgotten what one has learned in school.
- A table, a chair, a bowl of fruit and a violin; what else does a man need to be happy?
- A human being is part of a whole called by us the universe.
- The important thing is to not stop questioning. Curiosity has its own reason for existing.
- A question that sometimes drives me hazy: am I or are the others crazy?
- Anger dwells only in the bosom of fools.
- Life is like riding a bicycle. To keep your balance you must keep moving.
- Concern for man and his fate must always form the chief interest of all technical endeavors. Never forget this in the midst of your diagrams and equations.
- There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.
- All that is valuable in human society depends upon the opportunity for development accorded the individual.
- Once you stop learning, you start dying.
- It's not that I'm so smart, it's just that I stay with problems longer.
- It has become appallingly obvious that our technology has exceeded our humanity.
- Only one who devotes himself to a cause with his whole strength and soul can be a true master. For this reason mastery demands all of a person.
- He who can no longer pause to wonder and stand rapt in awe, is as good as dead; his eyes are closed.
- I have no special talent. I am only passionately curious.
- Weak people revenge. Strong people forgive. Intelligent people ignore.

Jageshwar - Abode of Twelve Jyotirlings

Saujanya R. Mahajan, 11th Science - A

Travelogue

Uttarkhand..... Simply heaven! 35kms from Almora, Jageshwar is be lives to be the abode of the twelve Jyotirlings. It is situated in a beautiful narrow valley surrounded by magnificent Deodar trees. The complex consisting of 124 temples and hundreds of statues, is famous not only for its craftsmanship but also for its 'Swayambhu Linga - Nagesh'.



Uttarkhand..... Simply heaven! 35kms from Almora, Jageshwar is believed to be the abode of the twelve Jyotirlings. It is situated in a beautiful narrow valley surrounded by magnificent Deodar trees. The complex consisting of 124 temples and hundreds of statues, is famous not only for its craftsmanship but also for its 'Swayambhu Linga - Nagesh'. Fairs are held during Shivaratri and in July-August in Jageshwar. Both religious and nature lovers visit the place.

There are more than 200 big and small temples around Jageshwar Dham. It is 1900mt above sea-level. The deodar trees and fragrant sandal wood plantations enrich the place.

The main temples is of Bal Jageshwar or the Shiva child. There is another temple of Vridh Jageshwar situated on the higher slopes. The story is lord Shiva was meditating at this spot, the village women left their household chores and other duties, and walked to watch him, as if in a trance.

One can visit the Goludevta temple at Chitai. It is a unique seat of justice for the locals. people actually file their complaints at a designated spot by attaching photo copies of their judicial papers. They beg for devine intervention and mercy. Most people offer a sacrifice to thank the lord.

How to reach :

Rail : Nearest railway station Kathgodam - 125kms.

Road : Directly linked with Almora - 35kms, Haldwani - 130kms, Pitorgarh - 90kms, from Kathgodam private jeeps and taxis are available.

What to See :

Vridh Jageshwar - For splendid Himalayas views and an old temple for the interest of the tourist.

Mritola Ashram - A centre of spiritual and natural beauty. There are many foreign disciples. It is 10kms trek from Jageshwar to Shokiathal and Mritola Ashram. One can reach Maritola Ashram by road till Vridh Jageshwar then trek 2kms. The Patoria farm is part of this complex.

Where to Stay :

U.T.D.C. Rest House, Forest Rest House, Paying Guest House are some accomodations. There is one Tourist Rest House and a few Dharam shalas here and about 2kms by trek from here is Vridh Jageshwar which provides a splendid view of the Himalayas from this old temple.

Beyond Jageshwar :

Jalana - This is a picturesque venue with fruits like apple, apricot, plum etc. in the Himalays. Banadi Devi temple is there.

Almora - This i picturesque district in the Kumaon region. It is the east side of Uttarkhand. It is breathtaking panoramic view of Himalayas. It calls tourists wordwide to its natural beauty.

There is rich cultural heritage, unique handicrafts, delicious dishes. Almora promises its tourists a visit full of fun and unportable memories.

Visit Jageshwar once in life!

Farmer : Backbone of Economy

Shital A. Mane, 11th Science - A

Interview

- I : Hello, Good morning, Dada.
- Farmer : Good morning.
- I : Where are you going?
- Farmer : To Farm.
- I : What farming activities are you doing now?
- Farmer : Preparing the land for sowing?
- I : Don't you have fruit gardens?
- Farmer : No, I am against of it.
- I : Why? It's very surprising.
- Farmer : I am feeder of people, so I think deeply about lives of people. What do you eat daily grapes, pomegranates, mangoes or bread and vegetables?
- I : No doubt bread and vegetables, why?
- Farmer : Answer of your question is in your sentence. We all people, need Jawar, Wheat, Rice, Vegetables and not fruits. No one prefer to eat dry fruits, other juicy fruits as their three times diet.
- I : Then, how will you become rich?
- Farmer : I am the richest man in our village.
- I : Are you joking? The richest man in our village is the Kirana merchant Sampat Kore.
- Farmer : But he is suffering from diabetes.
- I : Yes, but he has lots of money.
- Farmer : You are not mature. The real asset is our health. Who is pure healthy is the really wealthy person. I am strong and stout. I am free from any disease.
- I : What types of crops do you have in your field?
- Farmer : Jawar, Bajara, Maze, Wheat, Green, Vegetables, Fruit Vegetables. I think to feed not only people but also animals and birds who are my unselfish friends.
- I : Your philosophy is rather different.
- Farmer : Yes. My philosophy is close to life. I love my land and nation. Our Ex. Prime Minister has given a slogan 'Jai Jawan, Jai Kisan'. Soldiers serve the nation in army and I serve in farm. It is my moral duty to sow and to feed the people.
- I : Yes, you are really great Dada. Farmer is next to god.
- Farmer : And farmer is the back bone of our Indian economy. The total G.D.P. depends on the agriculture sector. So farmer is as importance as the economist.
- I : In democracy, what is importance of a farmer?
- Farmer : Unfortunately, it is reminded after every 5 years. At the time of election. every political party recalls that farmer is 'Baliraja.' But after voting they behave like 'Vaman' to exploit as. Once 'Baliraja' was the great king who cared his subject and was the greatest donar. In Puranas, we read he was killed by 'Vaman.' Now these politician have converted 'Baliraja' to 'Matadarraja.' After every 5 years, they come at our doors and beg for vote.
- I : This year to whom you are going to vote?
- Farmer : I have decided not to vote the political party who is responsible for the farmers' suicide. I will vote to such person who assure us to sanction separate budget for farming. We all India is farmers' nation, then there must be separate budget like railway department for farming. The railway

run on only selected routes but farmer run every home in the nation.

I : Dada, you have opened the eyes of our politicians.

Farmer : It is of no use. They should open the treasury for us. Today they are busy to entertain 'Bhataji and Shetaji' The businessmen eloped with our wealth and farmers are committing suicides for few rupees loan. It is great tragedy of our country. Politicians and deceitful business men have alliance to rob the nation.

I : Which problem do you face?

Farmer : Problem of water irrigation and marketing. Without water there will not be cultivation. I live in drought prone area, so I have to depend on rain water. Besides, now a days we face problem of labour. The daily wages have increased. The production cost is increased. But we do not get right rates to our agriculture produce. The businessmen decide the rates. So the farmer is always in loss.

I : Who help you in farming? In which work?

Farmer : My wife and two children. My wife help to milk the cow and buffalo. My children help in every farming activity. I have decided to take their admission in agriculture college.

I : But there is no scope. How will they make their carrier bright?

Farmer : I have no doubt. My son will be post graduate in M.Sc. (Agri.) and my daughter will complete M.B.A. in Agri-marketing.

I : Are you educated?

Farmer : Yes I am graduate from arts faculty.

I : No one will accept it. How will you guide the young graduates.

Farmer : Yes. You are right. In our society, persons are judged with their costumes. Mahatma Gandhiji is my idol. Simple living and high thinking is his principle. All the villagers know it. But other people treat me as an illiterate person when I go in Tahasil or collector office. I am confident about my hard and smart work. I have plan to motivate the younger generation to become farmers.

I : It means they have to remain unmarried. Now no one is ready to marry with farmer. What is your advice for them?

Farmer : Don't cut my dialogue, please, farmer feeds the whole society. Then his family will also live happily. Because, for next generation there is great need of chemical free fruit, vegetables grain and pulses. If you produce without chemical fertilizers, pesticides, fungicides, there will be highest rate in the market. In addition to it, any highly educated person living in India or abroad, do not eat mobiles and computers one needs food to eat and that we produce. So for next generation farming will be greatest opportunity.

I : You are absolutely right. Dada, you are really Dada. I thank you for given as valuable information to our readers.

Farmer : You are welcome.



टोंगारे, प्रा. पुंडलिक चौधरी, प्रा. अशोक बोगुलवार, प्रा. सतीश पडोळकर, प्रा. डॉ. दिनकर कुटे, प्रा. कु. संगीता देशमुख, प्रा. कु. निकिता बोबडे, प्रा. कु. वसुंधरा खोत, श्री अधिक घुगरे, श्री गोरख हेगडे तसेच महाविद्यालयातील सर्व सहकारी प्राध्यापक व सेवकांचे मोलाचे सहकार्य लाभले.

डॉ. राजेंद्र लवटे,
डॉ. भीमाशंकर डहाळके,
प्रा. कृष्णा रानगर
प्रकल्प अधिकारी



अग्रणी महाविद्यालय योजना

पी. व्ही. पी. महाविद्यालय कवठेमहांकाळ अग्रणी महाविद्यालय योजने अंतर्गत राजे रामराव महाविद्यालयाच्या गणित विभागांतर्गत शनिवार दि. ०९ फेब्रुवारी २०१९ रोजी 'सामान्य गणित : स्पर्धा परीक्षा' या विषयावर एकदिवसीय कार्यशाळा घेण्यात आली. सदर कार्यशाळेचे उद्घाटन प्राचार्य डॉ. व्ही. एस. ढेकळे यांनी केले. कार्यशाळेसाठी साधन व्यक्ती व मार्गदर्शक म्हणून प्रा. प्रभाकर पाटील व मा. चंद्रकांत बाबर हे उपस्थित होते. या कार्यशाळेचे समन्वयक प्रा. व्ही. व्ही. चांडवले हे होते.

अग्रणी महाविद्यालय योजने अंतर्गत व भाषा विभागांतर्गत सोमवार दि. ११ फेब्रुवारी २०१९ रोजी 'पत्रकारिता व अनुवाद' या विषयावर दुसरी एकदिवसीय कार्यशाळा घेण्यात आली. सदर कार्यशाळेचे उद्घाटन प्राचार्य डॉ. व्ही. एस. ढेकळे यांनी केले. कार्यशाळेसाठी साधन व्यक्ती व मार्गदर्शक म्हणून प्रा. प्रकाश मुंज व डॉ. प्रभावती पाटील हे उपस्थित होते. कार्यशाळेचे समन्वयक प्रा. आर. एस. बनसोडे हे होते.

सोमवार दि. १३ मार्च २०१९ रोजी अग्रणी महाविद्यालय योजने अंतर्गत व राज्यशात्र विभागाद्वारे 'लोकशाही,

निवडणुका व सुशासन' या विषयावर तिसरी एकदिवसीय कार्यशाळा आयोजित करण्यात आली, सदर कार्यशाळेचे उद्घाटन व साधन व्यक्ती म्हणून प्राचार्य डॉ. व्ही. एस. ढेकळे हे उपस्थित होते तर दुसरी साधन व्यक्ती म्हणून प्रा. सी. वाय. मानेपाटील हे उपस्थित होते. कार्यशाळेचे समन्वयक डॉ. बी. एम. डहाळके हे होते.

सदर तिन्ही कार्यशाळांचे नियोजन अग्रणी महाविद्यालयाचे समन्वयक प्रा. एच. डी. टोंगारे यांनी केले तर सूत्रसंचालन प्रा. सतीशकुमार पडोळकर व प्रा. टी. यु. सन्नके यांनी केले. सदर कार्यशाळांसाठी उमदी, संख व जत येथील महाविद्यालयातील विद्यार्थी व प्राध्यापक मोठ्या संख्येने उपस्थित होते.

कार्यशाळा यशस्वी पार पाडण्यासाठी प्राचार्य डॉ. व्ही. एस. ढेकळे, प्रा. अ. टी. शिंदे, प्रा. करांडे आर. डी., प्रा. आर. एस. बनसोडे, प्रा. जी. डी. साळुंखे, प्रा. सतीशकुमार पडोळकर, व प्रा. टी. यु. सन्नके यांचे मोलाचे सहकार्य लाभले

प्रा. एच डी. टोंगारे
समन्वयक, अग्रणी महाविद्यालय योजना



हिंदी विभाग

हिंदी विभाग की ओर से दिनांक २०/०८/२०१८ को भारत के पूर्व प्रधानमंत्री भारतरत्न अटलबिहारी वाजपेयी जी के स्मृति शेष के उपलक्ष्य मे काव्यश्रद्धांजलि समारोह का आयोजन किया गया था। इस समारोह में प्रमुख अतिथि के रूप में प्रधानाचार्य प्रमोद पोतनीस जी उपस्थित थे। समारोह की अध्यक्षता महाविद्यालय के प्रधानाचार्य डॉ. व्ही. एस. ढेकळे जी ने की। हिंदी विभाग की ओर से दि. ६/०९/२०१८

को हिंदी के मशहूर कवि, गजलकार दुष्यंतकुमार जी के जन्मदिवस के उपलक्ष्य में भित्तिपत्रिका का उद्घाटन महाविद्यालय के प्रधानाचार्य डॉ. व्ही. एस. ढेकळे जी के करकमलों से हुआ। दि. ६/०९/२०१८ को हिंदी विभाग द्वारा कवि दुष्यंतकुमार जी के जीवन पर आधारित लघुफिल्म का आयोजन किया गया था। इस लघुफिल्म का उद्घाटन महाविद्यालय के प्रधानाचार्य डॉ. व्ही. एस. ढेकळे जी ने

किया। इस अवसर पर हिंदी विभागप्रमुख प्रा. एच. डी. टोंगारे जी ने विद्यार्थियों को मार्गदर्शन किया। दि. ६/०९/२०१८ को हिंदी विभाग द्वारा नवागत विद्यार्थी परिचय तथा प्रधानाचार्य मार्गदर्शन का आयोजन किया था। इस कार्यक्रम में प्रधानाचार्य डॉ. व्ही. एस. ढेकळे जी ने विद्यार्थियों को मार्गदर्शन किया। दि. १४/०९/२०१८ से १४ सितंबर 'हिंदी दिवस' के उपलक्ष्य में हिंदी सप्ताह का आयोजन किया था। इस अवसर भित्तिपत्रिका का आयोजन किया था। इसका उद्घाटन सिनेअभिनेत्री श्रद्धा गायकवाड जी के हाथों से और प्रधानाचार्य डॉ. व्ही. एस. ढेकळे जी के उपस्थिति में संपन्न हुआ। हिंदी दिवस के उपलक्ष्य में अतिथि व्याख्यान, गीतगायन प्रतियोगिता, हस्ताक्षर प्रतियोगिता, निबंध लेखन प्रतियोगिता, भाषण प्रतियोगिता, शेरों-शायरी प्रतियोगिता, काव्यवाचन प्रतियोगिता आदि प्रतियोगिताओं का आयोजन किया गया था। दि. २१/०९/२०१८ को हिंदी सप्ताह समापन समारोह तथा ग्रंथालय भेंट का आयोजन किया गया था। दि. २२/०९/२०१८ को हिंदी विभाग के विद्यार्थियों ने जत शहर में 'बेटी बचाओ, बेटी पढ़ाओ' विषय पर पथनाट्य

प्रस्तुत किया। दि. १५/०९/२०१९ को हिंदी विभाग द्वारा 'विश्व हिंदी दिवस' मनाया गया था। इस अवसर पर हिंदी सप्ताह में आयोजित प्रतियोगिता में पुरस्कृत विद्यार्थियों को प्रधानाचार्य जी के तथा हिंदी विभागप्रमुख जी के करकमलों से सम्मानित किया। हिंदी विभाग द्वारा दि. ११/०९/२०१९ को 'पत्रकारिता और आज का युवक' विषय को केंद्र में रखकर एकदिवसीय कार्यशाला का आयोजन किया गया था। प्रस्तुत कार्यशाला में मा. प्रकाश मुंज (उपसंपादक, दै. लोकमत, कोल्हापुर आवृत्ति) जी ने विद्यार्थियों को पत्रकारिता की प्रविधि से परिचित कराया।

हिंदी विभाग द्वारा शैक्षिक वर्ष २०१८-१९ में सेमिनार, प्रोजेक्ट, युनिट टेस्ट, सरप्राइज टेस्ट, ओपन बुक टेस्ट, प्रश्नसूचि आदि अकादमिक गतिविधियों का आयोजन किया गया था। हिंदी विभाग द्वारा आयोजित विभिन्न गतिविधियों में विभागीय प्राध्यापक प्रा. सतीशकुमार पडोळकर तथा प्रा. योगिता देशमुख ने सक्रीय सहभागिता के साथ सहायता की।

एच. डी. टोंगारे
हिंदी विभागप्रमुख



Department of English

Department of English actively organized and conducted various student and teacher oriented programmes, activities, exhibition and innovative practices in the Academic Year 2018-19. The major activities and practices are Improve Your English (Words for Today), Guest Lectures, Poetry Recitation competition, Wallpaper Exhibition, Workshop for Primary and Higher Primary Teacher in Jath Tahsil, Surprise Test, Unit Test, Developing Vocabulary Activity, Open

Book Test, Lesson Activity (Project Work), Group Discussion, Extra Lectures for Slow Learners.

The Principal of college motivated and assisted to organize the above mentioned activities, programmes. The faculty members Asst. Prof. R.S. Banasode, Prof. T.U. Sannake, Prof. O. D. Kudalkar, Prof. V.N. Yamgar and Prof. SM Shaikh assisted for the enrichment of Department activities. I'm very much thankful to all.

R. D. Karande



संस्थामाता श्रीमती सुशिलादेवी साळुंखे महिला वसतिगृह

समाजातील तळागाळातील विद्यार्थीनींना शिक्षण मिळाले पाहिजे. उच्च शिक्षणापासून कोणतीच मुलगी वंचित राहू नये. यासाठी महाविद्यालयात ग्रामीण भागातून येणाऱ्या

विद्यार्थीनींसाठी वेळेत बसेसची सोय नाही. तसेच मुलगी म्हणून कोणत्याही कारणास्तव शिक्षणापासून अलिप्त राहू नये. म्हणून महाविद्यालयात शैक्षणिक वर्ष २००८ साली महिला

वसतिगृहाची इमारत मोठ्या दिमाखात उभी आहे. या महिला वसतिगृहाला संस्थामाता श्रीमती सुशिलादेवी साळुंखे असे नांव देण्यात आले. महाविद्यालयाच्या आवारात दक्षिणेकडील बाजूस दहा खोल्या आहेत. या इमारतीत अकरावी ते पदवीपर्यंतच्या तीस विद्यार्थिनी राहतात. तसेच पश्चिमेकडील बाजूस दहा खोल्या आहेत. त्या ठिकाणी पदव्युत्तर (एम.एस्सी.) च्या २५ विद्यार्थिनींची राहण्याची सोय झाली आहे. तसेच महाविद्यालयातील वसतिगृहात राहू इच्छिणाऱ्या विद्यार्थिनींना शासकीय नियमानुसार व गुणवत्तेवर आधारीत प्रवेश दिला जातो.

शैक्षणिक वर्ष २०१८/१९ मध्ये संस्थामाता सुशिलादेवी साळुंखे महिला वसतिगृहातील दोन्ही इमारतीत ५६ विद्यार्थिनी राहतात. तसेच वसतिगृहात होस्टेल डे, हादगा, तिळगुळ

समारंभ व महिला दिन, तसेच महिला आरोग्य विषयक कार्यक्रम घेण्यात आले.

महाविद्यालयाच्या वसतिगृहातील विद्यार्थिनींच्यासाठी पिण्याचे स्वच्छ पाणी तसेच गरम पाण्यासाठी सोलर गिझर, महाविद्यालयातील महिला वसतिगृहाच्या व्यवस्थापन समिती व विद्यार्थिनींच्या समवेत मासिक बैठका घेऊन मा. प्राचार्य डॉ. व्ही. एस्. ढेकळे यांच्या मार्गदर्शनाखाली विद्यार्थिनींच्या तक्रारी समजावून घेऊन त्या सोडविल्या जातात.

महिला वसतिगृहाच्या व्यवस्थापन समितीच्या सदस्य प्रा. के.के. रानगर, प्रा. वसुंधरा खोत, प्रा. निकिता बोबडे, प्रा. ललिता सपताळ यांचे वेळोवेळी सहकार्य लाभले.

प्रा. सौ. निर्मला वसंतराव मोरे



इतिहास विभाग

चालू शैक्षणिक वर्षात या विभागामार्फत खालील उपक्रम राबविण्यात आले.

दि. ५ सप्टेंबर २०१८ रोजी शिक्षक दिन निमित्त "डॉ. सर्वपल्ली राधाकृष्णन" यांचे जीवन आणि कार्य या विषयावर भिक्तीपत्रीकाचे उद्घाटन महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस. ढेकळे यांच्या हस्ते करण्यात आले.

दि. १२ ऑक्टोबर २०१८ रोजी "इतिहास विषयातील रोजगाराच्या संधी" या विषयावर गटचर्चा घेण्यात आली.

दि. २२ डिसेंबर २०१८ रोजी "बहिर्जी नाईक यांचे कार्य" या विषयावर लघुपटाचे सादरीकरण करण्यात आले.

दि. ०४ जानेवारी २०१९ रोजी सावित्रीबाई फुले जयंती निमित्त "सावित्रीबाई फुले यांचे जीवन आणि कार्य" या विषयावर प्रा. पी. आर. वाघमोडे यांचे व्याख्यान घेण्यात आले.

दि. ३० जानेवारी २०१९ रोजी महात्मा गांधी पुण्यतिथी निमित्त "महात्मा गांधीजींचे जीवन आणि कार्य" या विषयावर भिक्तीपत्रीका उद्घाटन मा. अविनास सिरसाठ (निलया

फाउंडेशन, पुणे) यांच्या हस्ते करण्यात आले.

दि. १६ फेब्रुवारी २०१९ रोजी "इतिहास आणि पर्यावरण" या विषयावर प्रा. आर. ए. लवटे यांचे व्याख्यान घेण्यात आले.

दि. २४ फेब्रुवारी २०१९ रोजी विभागातील विद्यार्थ्यांची विजापूरला शैक्षणिक सहल काढण्यात आली. त्यामध्ये दशेश्वर मंदीर, इब्राहीम रोझा, बारा कमान, जोड घुमट, शिवमूर्ती, गोल घुमट, पुरातत्त्व वस्तुसंग्रहालय, विजापूर इ. ऐतिहासिक स्थळांना भेटी देऊन ऐतिहासिक काळातील शैक्षणिक, सामाजिक, सांस्कृतिक व धार्मिक घटकांचा अभ्यास केला.

दि. २४ फेब्रुवारी २०१९ रोजी विभागाच्या विद्यार्थ्यांनी निसर्ग पर्यटन केले. विभागांतर्गत सरप्राईज टेस्ट, ओपन बुक टेस्ट, सेमिनार, प्रोजेक्ट वर्क इ. कार्यक्रम घेण्यात आले.

प्रा. चौधरी पी.जे.
विभाग प्रमुख



भूगोलशास्त्र विभाग

महाविद्यालयातील भूगोलशास्त्र विभागामार्फत शैक्षणिक वर्ष २०१८-१९ मध्ये विविध उपक्रम राबविण्यात आले. त्यामध्ये प्रामुख्याने Surprise test, unit test, open book

test, seminar, wall paper presentation याशिवाय दर महिन्यास एक भिक्तीपत्रीका प्रदर्शित करून या भिक्तीपत्रीकेतून प्रदूषण, वृक्षसंवर्धन, जलसंवर्धन, पर्यावरण संवर्धन या संबंधीत

संदेश विद्यार्थ्यांपर्यंत पोहचवले जातात.

याशिवाय या विभागातील विद्यार्थ्यांनी सांगोला सहकारी सूत गिरणी सांगोला व महिला सूत गिरणीस भेट देऊन वस्त्रोद्योगाची माहिती घेतली. त्याचबरोबर श्रीमती काशीबाई नवळे बी. एड. कॉलेज सांगोला येथे भेट देऊन तेथील सांडपाणी व्यवस्थापन प्रकल्पास भेट दिली व प्रकल्पाविषयी माहिती जाणून घेतली. या बी. एड. महाविद्यालयाचे प्राचार्य मा. एस. के. पाटील यांचे पदवीनंतर काय करावे? या विषयावर गेस्ट लेक्चर आयोजित करण्यात आले होते. तसेच मा. रमेश संकपाळ (भूजल सर्वक्षेत्रक) जळगांव यांचे दि. १६/९/२०१८ रोजी बी. ए. नंतर पुढे काय? या विषयावर एक व्याख्यान आयोजित करण्यात आले.

विभागामार्फत विजापूर कुडाळ संगम-अलमट्टी येथे भौगोलिक शैक्षणिक सहलीचे आयोजन करण्यात आले. त्यामध्ये ४० विद्यार्थ्यांनी सहभाग घेतला. या विभागातील ४० विद्यार्थ्यांनी मौजे अचकनहळी, ता. जत येथे भूमी उपयोजन सर्वेक्षण करून अभ्यासपूर्ण माहिती गोळा केली. या विभागातील ४० विद्यार्थ्यांनी Sporcon textile येथे भेट देवून अभ्यासपूर्ण माहिती गोळा केली. व श्रीमंत विजयसिंह डफळे ग्रंथालयास भेट देवून विषयांशी संबंधीत पुस्तकांची माहिती घेतली. या कामी प्रा. अ. टी. शिंदे, प्रा. आर. बी. पाटील, प्रा. वाय. एस. शिंदे यांचे सहकार्य लाभले.

प्रा. एस. डी. चव्हाण



महिला तक्रार निवारण समिती

विद्यार्थीनींना समाजात निर्भयपणे वावरता यावे, तसेच स्त्री हक्क समजून यावेत. आपल्यावर झालेला अन्याय हा निमूटपणे सहन न करता त्या अन्यायाविरुद्धची जाणीव व्हावी. त्यांनी आपले संरक्षण स्वतः करावे. तसेच दुसऱ्याच्या मदतीची अपेक्षा न करता आपणच सबल व्हावे. स्वसंरक्षण करावे. यासाठी विद्यार्थीनींच्यात सामर्थ्य निर्माण व्हावे. त्यांचे समाजातील स्थान व व्यक्तिमत्व विकासाचे आत्मभान यावे. त्यांच्यात एक प्रकारची आत्मनिर्भरता निर्माण व्हावी. तसेच त्यांच्यात निर्णयक्षमता वाढीस लागावी असा उदात्त हेतू समोर ठेवून महाविद्यालयात सन २००३ पासून शिवाजी विद्यापीठाच्या ध्येय धोरणानुसार महिला लैंगिक छळ समिती कार्यरत होती पण शैक्षणिक वर्ष २०१५-१६ मध्ये शिवाजी विद्यापीठाच्या नवीन ध्येयधोरणानुसार या समितीचे नाव अंतर्गत तक्रार निवारण समिती असे प्राचार्या समवेत समिती सदस्यांची बैठक घेवून नवीन समिती गठीत करण्यात आली. त्यानुसार अंतर्गत तक्रार निवारण समिती कार्यरत आहे.

शैक्षणिक वर्ष २०१८-१९ मध्ये महाविद्यालयीन युवतीमध्ये प्रेरणा निर्माण व्हावी. तसेच त्यांचा एक आदर्श

निर्माण व्हावा, म्हणून क्रांतीज्योती सावित्रीबाई फुले जयंती, राष्ट्रमाता जिजाऊ जयंती साजरी करण्यात आली. जागतिक महिला दिन कार्यक्रम घेण्यात आला.

महाविद्यालयातील काही तोंडी तक्रारींचे निवारण समितीच्या वतीने व सर्व समिती सदस्य आणि मा. प्राचार्य व्ही. एस. डेकळे यांच्या मार्गदर्शनाखाली चर्चा करून केले. तक्रारी किरकोळ असल्याने त्यांचे निवारण हे महाविद्यालयीन स्तरावर केले. त्यावेळी कोणतीच अडचण आली नाही. तसेच अशा तक्रारी निर्माण होऊ नयेत म्हणून प्रयत्न केला आहे. असा की, विद्यार्थी व विद्यार्थीनींच्यातील संबंध मैत्रीपूर्ण राहावेत. यासाठी त्यांच्या वेळोवेळी बैठका घेवून समज दिली. त्यासाठी महाविद्यालयात ठिकठिकाणी सूचनापेट्या ठेवण्यात आल्या आहेत. सूचनाफलक, भितीपत्रिका यांचा वापर करण्यात आला. तसेच विद्यार्थीनींच्या समस्या सोडविण्यासाठी महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस्. डेकळे व मा. ज्योत्स्नाराजे डफळे यांचे मार्गदर्शन लाभले. तसेच सर्व सदस्यांचे सहकार्य लाभले.

प्रा. सौ. निर्मला वसंतराव मोरे



जिमखाना अहवाल

शैक्षणिक वर्ष २०१८-१९ हे शिक्षणमहर्षी डॉ. बापूजी साळुंखे जन्मशताब्दी व महाविद्यालयाचे सुवर्ण महोत्सवी वर्ष म्हणून साजरे केले. त्यानिमित्त खेळाच्या स्पर्धा आयोजन करण्यात आल्या. महाविद्यालयातील खेळांची परंपरा व उपलब्ध सोयी सुविधा पाहून ही स्पर्धा घेण्याची जबाबदारी संस्थेने आमच्यावर सोपविली. ह्या स्पर्धा दि. ८ व ९ जानेवारी २०१९ रोजी घेण्यात आल्या. या स्पर्धेच्या उद्घाटनासाठी प्रमुख पाहुणे म्हणून मा. विक्रमदादा सावंत संचालक, सांगली जिल्हा मध्यवर्ती बँक, सांगली. व अध्यक्षस्थानी संस्थेच्या सचिवा मा. प्राचार्या शुभांगीताई गावडे यांनी भूषविले. या स्पर्धेत ३५० खेळाडू सहभागी झाले होते. मैदानी स्पर्धेची ७५ गुण मिळवून जनरल चॅम्पियनशीप मिळवली तसेच दि. २४ व २५ ऑगस्ट २०१८ रोजी सांगली झोनल बॅडमिंटन स्पर्धेचे आयोजन यशस्वीपणे केले. महाविद्यालयाच्या परंपरेनुसार खेळाडूंनी सांगली झोनल, इंटर झोनल, राज्य व ऑल इंडिया स्पर्धेत महाविद्यालयाचे प्रतिनिधित्व केले. त्यामध्ये अॅथलेटिक्स, क्रॉस कंट्री, बॅडमिंटन, खो-खो, कबड्डी, हॉलीबॉल, फुटबॉल, तायक्रॉदो इ. क्रिडा स्पर्धेत सहभाग नोंदविला. विशेष उल्लेखनीय बाब म्हणजे कु. अक्षता गुरुबसू घेज्जी बी.ए. भाग २ हिची गुलबर्गा येथे झालेल्या ऑल इंडिया क्रॉसकंट्री स्पर्धेसाठी शिवाजी विद्यापीठाच्या संघात

निवड झाली तसेच कु. मेघाश्री बिराजदार बी.ए. भाग १ हिची मुंबई येथे झालेल्या राज्यस्तरीय आंतरविद्यापीठ मैदानी स्पर्धेसाठी विद्यापीठ संघात निवड झाली.

महाविद्यालयातील गुणी विद्यार्थ्यांचा वार्षिक पारितोषिक वितरण समारंभ दि. १४ फेब्रुवारी २०१९ रोजी महाविद्यालयाच्या प्रांगणात संपन्न झाला. प्रमुख पाहुणे म्हणून मा. प्राचार्य कुंतीनाथ करके महाराष्ट्र शाहिर व सिने गीतकार यांनी भूषविले प्रमुख पाहुणे व उपस्थित मान्यवरांच्या हस्ते गुणी विद्यार्थ्यांना चषक व प्रमाणपत्रे देवून गौरविण्यात आले.

शिक्षणमहर्षी डॉ. बापूजी साळुंखे जन्मशताब्दी वर्षानिमित्त राज्यस्तरीय मैदानी स्पर्धा संस्थेने विविध शाळेवर आयोजित केल्या होत्या. तासगाव येथे झालेल्या कबड्डी स्पर्धेमध्ये मुलांच्या संघाने तृतीय क्रमांक मिळविला व इचलकरंजी येथे झालेल्या खो-खो स्पर्धेमध्ये मुलींच्या संघाने तृतीय क्रमांक मिळविला.

वरील सर्व स्पर्धा यशस्वी करण्यासाठी महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस. ढेकळे यांचे मार्गदर्शन खेळाडूंना मिळाले त्याच बरोबर महाविद्यालयाचे सर्व प्राध्यापक व सेवकांनीही स्पर्धा यशस्वी करण्यासाठी मोलाचे सहकार्य केले.

प्रा. एस. डी. ठोंबरे

जिमखाना प्रमुख वरीष्ठ विभाग

१.	कु. अक्षता घेज्जी बी.ए. भाग २	ऑल इंडिया स्पर्धेसाठी विद्यापीठ संघात निवड. गुलबर्गा
२.	कु. मेघाश्री बिराजदार	इंटर झोनल 400M.-II nd , 400M.Run-II nd महाराष्ट्र राज्य इंटर युनिव्हर्सिटी क्रिडा महोत्सव स्पर्धेसाठी विद्यापीठ संघात निवड (मुंबई) 4X400 रिलेमिक्स II nd 4X400 रिले IV th
३.	श्री सत्यवान लेंगरे बी.एस्सी भाग १	इंटर झोनल स्पर्धेमध्ये कबड्डी III rd क्रमांक
४.	कु. मेघाश्री बिराजदार	800 M.- I st , 1500 M.- I st , 5000 M.- I st , 4X100 रिले I st
५.	कु. अक्षता घेज्जी	800 M.- I st , 1500 M.- I st , 5000 M.- I st , 4X100 रिले I st
६.	कु. श्रेया साळुंखे बी.ए. भाग १	थाळीफेक II nd , गोळाफेक II nd
७.	कु. उज्वला कट्टीकर	400 M-III rd 4X100 रिले I st
८.	कु. काजल चव्हाण	800 M-III rd
९.	कु. सुप्रिया चव्हाण	थाळीफेक III rd , गोळाफेक III rd , 4X100 रिले I st
१०.	श्री समाधान कर्वे बी.ए. भाग २	800 M- I st , 4X100 - I st , 4X400 - I st
११.	श्री मिरासाब जातगार बी.ए. भाग २	400 M-III rd , 4X100- I st , 4X400- I st
१२.	श्री स्वप्निल मोहिते बी.ए. भाग २	5000 M- II nd , 4X400- I st

१३.	श्री म्हाळू लोखंडे	लांबउडी II nd
१४.	सचिन निळे	4X100 रिले I st , 4X400 रिले & I st
१५.	संकेत अहिर बी.एस्सी भाग १	4X100 रिले I st
१६.	विठ्ठल चौगुले	4X400 रिले I st

कबड्डी मुले - जन्मशताब्दी वर्ष

दि. १४.१२.२०१८ पी.डी.व्ही.पी. महाविद्यालय, तासगांव-IInd

१.	श्री बंडगर विकास यशवंत	-	बी.ए. भाग १
२.	श्री कांबळे नागेश सदाशिव	-	बी.ए. भाग १
३.	श्री सुतार मोनेश रामू		बी.ए. भाग १
४.	श्री माने अनिकेत राजाराम	-	बी.ए. भाग १
५.	श्री चौगुले विठ्ठल चंद्रकांत	-	बी.ए. भाग १
६.	श्री मोटे यशवंत शंकर		बी.ए. भाग १

७.	श्री पाटील रोहित श्रीकांत	-	बी.ए. भाग १
८.	श्री गडदे प्रशांत		बी.ए. भाग १

खो-खो

१.	स्मिता निंगाप्पा इरळी (महादेवी)	बी.कॉम. भाग ३ - ०१.१०.१९९८ - २०१६७
२.	मोहिनी शिवाप्पा तुळजानवर (इंद्रवा)	बी.कॉम. भाग ३ - ११.१२.१९९७ - २०१६ गॅप
३.	वनिता आनंदा सरगर (जयश्री)	बी.कॉम. भाग ३ - २२.०८.१९९८ - २०१७
४.	अश्विनी राजू शिंदे (विमल)	बी.ए. भाग १ - २६.०१.२००१ - २०१८
५.	काजल तात्यासाहेब चव्हाण (सिंधूताई)-	बी.कॉम. भाग १ - २०.०७.२००० - फेब्रु. १८
६.	श्रध्दा विकास शांत (रुपाली)	बी.कॉम. भाग १ - २५.०७.२००० - फेब्रु. १८
७.	उज्वला अण्णासाब कट्टीकर (सुनिता)	बी. कॉम. भाग १- १४.०२.२००० - २०१८
८.	पुजा केरबा चव्हाण (छबुताई)	बी. कॉम. भाग १- १९.०१.२००० - २०१८
९.	सुप्रिया बाळासाहेब चव्हाण (शोभाताई)	बी.कॉम. भाग १ - १५.०९.२००० - २०१८
१०.	पुनम साहेबराव कोडग (अनिता)	बी.एस्सी. भाग २ - ३०.०३.१९९९ - २०१७
११.	विद्या मोहन कदम (रेखा)	बी.एस्सी. भाग १ -
१२.	रेश्मा लक्ष्मण कोडग (पद्मिनी)	बी.ए. भाग १ - ०१.११.२००० फेब्रु. १८



स्पर्धा परिक्षा विभाग

महाविद्यालयातील स्पर्धा परिक्षा विभागामार्फत शैक्षणिक वर्ष २०१८-१९ मध्ये स्पर्धा परिक्षेची तयारी व वेगवेगळ्या अडचणी संदर्भात मार्गदर्शन करण्यासाठी महाविद्यालयात विविध तज्ञ लोकांचे व्याख्यान आयोजित करण्यात आले होते. यामध्ये प्रा. पाटील एस. एम. (पुणे जिल्हा शिक्षण मंडळ, पुणे)

यांनी स्पर्धा परिक्षेची पूर्व तयारी याविषयी मार्गदर्शन केले. प्रा. पाटील एस. एम. यांनी प्रत्येक महीन्यात महाविद्यालयात येऊन विद्यार्थ्यांना मार्गदर्शन केले.

स्पर्धा परिक्षा विभाग व Knowledge Institute यांच्या संयुक्त विद्यमाने स्पर्धा परिक्षेचे आयोजन करण्यात आले

Department of Zoology

In the academic year 2018-19 the Department has celebrated the teacher day on 5th September 2018 on 28th to 30th January 2019 the department has organised the study tour at koyna nagar, Dapoli, & Mahabaleshwar for Bsc II & III Zoology Students. In this tour 42 students and staff was Participated. The second Study tour Was Organised at M.I.D.C od cattle Farm jath on 6th February 2019 for Bsc-I & II Zoology Students. In Above hour the students observed the varies biodiversity at different

flowers on 28th February the poster presentation is organised on occasion of national science day. Along with this the department has made MOU Manish Pathological laboratory jath. Seminar was Group discussion were also organised for Bsc-III students. The department is published eight research papers in varies research journal by Staff.

Prof. M. H. Karenavar
Head of Dept



श्रीमंत विजयसिंहराजे डफळे ज्ञान स्रोत केंद्र

ज्ञानाच्या नवीन आधुनिक व वेगवेगळ्या प्रकारच्या साधनांचे संकलन, व्यवस्थापन व संप्रेषण करण्याची नवी भूमिका या नवीन स्वरूपातील ग्रंथालयांना करावी लागणार आहे. आमच्या ग्रंथालयाची वाटचाल त्या दिशेने चालू आहे हे नमूद करण्यास आनंद होत आहे.

ग्रंथालयात आजअखेर ५४,४९८ एवढी ग्रंथसंपदा असून या वर्षी सिनिअर विभागासाठी रु.८३,५१९ किमतीचे ग्रंथ आणि पदव्युत्तर विभागासाठी रु. २५,००० किमतीचे असे एकूण १०५२ ग्रंथ खरेदी करण्यात आले आहेत. ग्रंथालयामध्ये ३७ नियतकालिके प्रति वर्षी खरेदी केली जातात व १४ दैनिकेही नियमितपणे खरेदी केली जातात.

विद्यापीठ अनुदान आयोगाच्या N-LIST या उपक्रमाचे सभासदत्व ग्रंथालयाकडे असल्यामुळे संशोधकांना राष्ट्रीय व आंतरराष्ट्रीय स्तरावरील ३१,३५,००० पेक्षा जास्त ई-बुक्स आणि ६,००० पेक्षा जास्त ई-जर्नल आणि ऑनलाईन डेटाबेसेस ग्रंथालयाकडून दिले जातात तसेच

शिवाजी विद्यापीठाकडून दिली जाणारी इन्फेड सुविधाही ग्रंथालयामार्फत दिली जाते त्यामुळे विद्यापीठाचेही ई-रिसोर्सस ग्रंथालयाकडून पुरविले जातात.

या शैक्षणिक वर्षामध्ये ग्रंथालयामार्फत महाविद्यालयाचे सुवर्ण महोत्सवी वर्ष आणि शिक्षण महर्षी डॉ. बापुजी साळुंखे यांच्या जन्म शताब्दी वर्षानिमित्त दोन वेळा ग्रंथप्रदर्शने आयोजित केली होती तसेच सर्व प्रशासकीय कर्मचार्यांसाठी एक दिवसीय संगणक प्रशिक्षण कार्यशाळा आयोजित केली होती.

ग्रंथालय समृद्ध करण्यासाठी प्राचार्य डॉ.व्ही.एस.ढेकळे, ग्रंथालय समिती व सर्व प्राध्यापकवर्ग यांचे मोलाचे मार्गदर्शन व सहकार्य लाभले तसेच दैनंदिन कामामध्ये ग्रंथालय लिपिक श्री. एस.बी.मोईन, ग्रंथालय परिचर श्री. सतीश साळुंखे, श्री सदाकळे आणि कमवा व शिका योजनेमधील विद्यार्थी यांचे सहकार्य लाभले.

प्रा. अभयकुमार पाटील
ग्रंथपाल



अर्थशास्त्र विभाग

अर्थशास्त्र विभागामार्फत शैक्षणिक वर्ष २०१८-१९मध्ये पुढील उपक्रमांचं आयोजन करण्यात आले.

१. दिनांक १३/०७/२०१८ रोजी 'जागतिक लोकसंख्या दिन' साजरा करणेत आला. यावेळी डॉ. श्रीकांत कोकरे

यांच्या 'वाढती लोकसंख्या तारक कि मारक' या विषयावरील विशेष व्याख्यानाचे आयोजन करण्यात आले.

२. दिनांक १४/०८/२०१८ रोजी 'माहिती तंत्रज्ञान क्षेत्रातील नोकरांच्या संधी' या विषयावर श्रीमती उषा बोबडे यांचे

- विशेष व्याख्यान आयोजित केले.
- दिनांक १९/०१/२०१९ रोजी विद्यार्थ्यांची विशेष बँक भेटीचे आयोजन करण्यात आले. यावेळी स्टेट बँक ऑफ इंडिया शाखा जत आणि लाईफ इन्सुरन्स कार्पोरेशन ऑफ इंडिया शाखा जत येथे विद्यार्थ्यांनी भेट दिली.
 - ३०/०१/२०१९ रोजी आपले महाविद्यालय आणि निलया फौन्डेशन, पुणे यांचे संयुक्त विद्यमाने श्री. अविनाश शिरसट यांचे 'करिअर घडविण्याचा सोपा मंत्र' या विषयावर विशेष व्याख्यानाचे आयोजन केले.

- शैक्षणिक वर्ष २०१८-१९ मध्ये अध्ययन अध्यापनाच्या मूल्यमापनाचा भाग म्हणून युनिट टेस्ट ,ओपन बुक टेस्ट घेणेत आले.
वरील सर्व उपक्रम,कार्यक्रम पार पाडण्यासाठी महाविद्यालयाचे प्राचार्य डॉ.व्ही.एस .ढेकळे व सहकारी प्रा. ए. एच बोगुलवार, प्रा. आर. डी. सावंत आणि प्रा. डी. बी. रणदिवे यांचे सहकार्य लाभले.

डॉ. एस. जी. गावडे
विभागप्रमुख



राज्यशास्त्र विभाग

- शैक्षणिक वर्ष २०१८-१९ मध्ये राज्यशास्त्र विभागाचे विविध उपक्रम खालील प्रमाणे -
- दि. २५/७/२०१८ - रोजी प्रतिभा गारमेट, जत येथे भेट देण्यात आली.
 - दि. २५/७/२०१८ - रोजी व्होटींग मशिनबाबत पोस्टर प्रदर्शन करण्यात आले.
 - दि. ३०/७/२०१८ - रोजी गेस्ट लेक्चर व स्वागत समारंभ आयोजित करण्यात आला.
 - दि. २३/९/२०१८ - रोजी पोलिस स्टेशन, जत मधील स्टाफला खाऊ व पाण्याचे वाटप करण्यात आले.
 - दि. २६/११/२०१८ - रोजी संविधान दिन साजरा करण्यात आला.
 - दि. १०/१२/२०१८ - रोजी मानवाधिकार दिन साजरा करण्यात आला व पोस्टर प्रदर्शन करण्यात आले.

- दि. १०/१२/२०१८ - रोजी मॉक पार्लमेंटचे आयोजन करण्यात आले.
- दि. २५/१/२०१९ - रोजी मतदार दिनानिमित्त मतदार जागृती रॅलीचे आयोजन केले.
- दि. ५/२/२०१९ - रोजी मुकबधीर विद्यालयातील विद्यार्थ्यांना खाऊचे वाटप करण्यात आले.
- दि. १३/३/२०१९ - रोजी लोकशाही निवडणूका व सुशासन या विषयावर एक दिवसीय कार्यशाळेचे आयोजन करण्यात आले.
वरील सर्व उपक्रमामध्ये राज्यशास्त्र विभागातील २५ विद्यार्थ्यांनी सक्रीय सहभाग नोंदवला.

प्रा. सी. वाय. माने पाटील
विभागप्रमुख



Department of Chemistry

- Ongoing Minor Research Project of Dr. S. R. Kulal (Rs. 1.25 Lakh) and Mr. D. A. Kumbhar (Rs. 1 Lakh) granted by Shivaji University, Kolhapur
- Mr. D. A. Kumbhar and Mr. G. D. Salunke completed First induction programme jointly organized by Sydenham Faculty development center, PMMMMNTT Mumbai and Rajaram,

- College, Kolhapur during 3rd Dec. 2018 to 28th Dec. 2018.
- Department has Organized one day International workshop on "Job Opportunities in Japan" 28th Feb. 2019.
- Department has Organized Poster Presentation on Occasion of Science Day.
- Career Oriented Programme is conducted on

- “Soil and Water Analysis”, 128 students were admitted.
6. Under COP in Soil and water are analysis, samples from different villages collected and results given to sarpanch at free of cost.
 7. Our Department conducting activity entitled “This week in Chemistry” & “Do you know?”
 8. Department has organized Welcome Function of M. Sc.-I Analytical Chemistry students on 25th August, 2018.
 9. Celebrated Teachers day on 5th Sept. 2018.
 10. Department arranged Industrial Tour for M. Sc. Students at Goa on 12th Jan 2019.
 11. Department arranged Industrial Tour for B. Sc. III Students at Chiplun, Dapoli etc. On 28th to 30th Jan 2019.
 12. Departmental students participated in poster presentation in International Conference “Energy, Environment and Ethics in research” at Y. C. College, Warananagar on 7th Feb. 2019.
 13. Department has arranged Guest lecture on “Thermodynamics” by Mr. Sudhir Kumbhar (Asst. Prof. Balawant College, Vita) On 21st to 22 Sept. 2018
 14. Department has arranged Guest lecture on “Cyclic Voltametry and DLS technique” by Dr. G. B. Kolekar (Prof. Shivaji University, kolhapur) On 12th to 13th Oct. 2018
 15. Department has arranged Guest lecture on “Stereochemistry” by Dr. P. V. Anbhule (Prof. Shivaji University, kolhapur) On 12th to 13th Oct. 2018
 16. Department has arranged guidance on “Scope of Chemistry in Pharma” by Mr. Rajendra Bandgar (Senior Head and Director, Dr. Reddys Lab. Hyderabad) On 11th Jan 2019.
 17. Department has arranged guidance on “Dmitri Mendeleev” on his birth anniversary and celebrated century of Periodical Table by Mr. D. A. Kumbhar On 08th Feb. 2019
 18. Our Department has done Collaboration with Jyotiraditya Analytical Laboratory, Jath, Vasantdada Milk Dairy and Warana Milk Dairy, M.I.D.C. Jath.
 19. 47 students were admitted for Post-Graduation in Chemistry in various universities.

Prof. K. K. Rangar



Department of Mathematics

1. Department of Mathematics is actively engaged to encourage the students to take part in various education competitions. Our students Miss Mali Bhgyshree gets 96.93% in the sem-VI and gets aggregate marks 86.83% in the B.Sc.-III in 2017-18.
2. Our Department has conducted Quiz competition for B. Sc-I and B.Sc-II on the dated 13/10/2018. Also our students of class B. Sc-II and B. Sc-III celebrating the National mathematics day on the dated 26/12/2018. On this occasion students presented the posters on various subjects.
3. Students of department have celebrated Teacher’s day with the chief guest as Prof. M. H. Karenwar Head of zoology, Prof. S. P. Dharigouda Head of Statistics department and Mr. Chandavale V.V. Head of Mathematics Department and faculties of Mathematics department are presents.
4. Department of Mathematics is arranged a study tour with chemistry department on the route Jath-Koynanagar-Dapoli (stay)-Dapoli Krushi Vidyapeeth-Murud Beach-Mahabaleshwar-Jath from 28/01/2019 to 30/01/2019.
5. Also our departmental faculty Mr. Chandavle V. V. and Miss. Ghejji S. V. along with students participated in Two days regional conference on “Advances in mathematics along with student’s carnival” in P.D.V.P College, Tasgaon on the dated 01/02/2019 to 02/02/2019.
6. Department of Mathematics has organized one day workshop on “General Mathematics and Competitive Exams” sponsored by Lead college P.V.P.college, Kavthe-Mhankal, dist-Sangli on the dated 09/02/2019. The president of this function is Dr. V. S. Dhekale and the guests are Mr. Chandrakant Babar (Income tax officer, Sangli) Prof. P. V. Patil (Head of Department of Mathematics, P.D.V.P. College, Tasgaon)

Prof. Chandavale V. V.

मराठी विभाग

शैक्षणिक वर्ष २०१८ मध्ये मराठी विभागामार्फत आयोजित केलेल्या कार्यक्रमांचा तपशील असा, २० ऑगस्ट २०१८ रोजी 'श्रावणसरी' भिक्तीपत्रिका तर १४ ऑक्टोबर २०१८ रोजी 'मराठी साहित्य दरबार' भिक्तीपत्रिका अशा दोन घेण्यात आल्या. यामधून गद्य व पद्यलेखन साहित्य प्रकाशित करण्यात आले. याशिवाय कोजागिरी पौर्णिमेनिमित्त कविसंमेलन घेण्यात आले. १५ ऑक्टोबर रोजी वाचन प्रेरणा दिवस तथा डॉ. ए. पी. जे. अब्दुल कलाम जन्म दिवस साजरा करण्यात आला. वाङ्मय मंडळ उद्घाटन प्रा. डॉ. श्रीकांत कोकरे यांच्या हस्ते करण्यात आले.

तसेच मराठी विभागामार्फत वाचनकट्टा स्पर्धा परीक्षेतील व्याकरण असे उपक्रम राबविले गेले. १ जानेवारी ते १५ जानेवारी या कालावधीत मराठी भाषा संवर्धन पंधरवडा

साजरा करण्यात आला. त्यानिमित्त अनुक्रमे निबंधलेखन, काव्यवाचन, कथालेखन हस्ताक्षर, प्रकटवाचन, वक्तृत्व इ. स्पर्धांचे आयोजन करण्यात आले. २७ फेब्रुवारी २०१८ रोजी मराठी राजभाषा दिन किंवा मराठी भाषा गौरव दिन 'मराठी म्हणी संस्काराच्या गोणी' प्राचीन व आधुनिक म्हणीचे संकलन करून विद्यार्थ्यांनी सादरीकरण करून साजरा केला. या सर्व कार्यक्रमासाठी महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस. ढेकळे यांचे मार्गदर्शन लाभले. तसेच मराठी विभागातील प्रा. डॉ. दिनकर कुटे व प्रा. सुरेखा व्हसमाने, कुमार इंगळे, पी. व्ही. शिलेदार यांचे मोलाचे सहकार्य लाभले.

प्रा. सौ. निर्मला वसंतराव मोरे
मराठी विभागप्रमुख



वाणिज्य विभाग

वाणिज्य विभागामार्फत शैक्षणिक वर्ष २०१८-१९ मध्ये पुढील उपक्रमांच आयोजन करण्यात आले.

१. दि. ३/८/२०१८ रोजी "कौशल्य विकास" या विषयावर व्याख्यानाचे आयोजन करण्यात आले. यासाठी विवेकानंद इन्स्टीट्यूट ऑफ टेक्नॉलॉजी जतचे श्री. जी. एस. बोबडे व श्री. बी. एस. कोळेकर यांना आमंत्रित करण्यात आले होते.
२. दि. १२/९/२०१८ रोजी "यशस्वी महिला उद्योजक" या विषयावर भिक्तीपत्रिकांचे अनावरण करण्यात आले. या भिक्तीपत्रिकामध्ये भारतातील यशस्वी महिला उद्योजकांचे जीवन व यशोगाथा यावर पोस्टर्स प्रदर्शित करण्यात आले.
३. शैक्षणिक वर्ष २०१८-१९ मध्ये अध्ययन अध्यापनाच्या मूल्यमापनाचा भाग म्हणून यूनिट टेस्ट, ओपन बुक टेस्ट घेणेत आले.
४. दि. १२/७/२०१८ रोजी हॉटेल व्यवसायातील उद्योजकता या विषयावर मार्गदर्शनपर व्याख्यानाचे आयोजन करण्यात आले, यासाठी जत येथील प्रसिद्ध हॉटेल व्यावसायिक (संस्कृती हॉटेलचे मालक) श्री

चंद्रशेखर गोब्बी यांना आमंत्रित करण्यात आले होते.

५. दि. १४/५/२०१८ रोजी "वडा पाव व्यवसायातील उद्योजकता" या विषयावर मार्गदर्शनपर व्याख्यानाचे आयोजन करण्यात आले. यासाठी जत तालुक्यातील प्रसिद्ध देशपांडे वडा पाव सेंटरचे श्री अनिल देशपांडे यांना आमंत्रित करणेत आले होते. त्यांनी त्यांच्या व्यवसायातील यशोगाथेचे कथन केले.
६. दि. ४/९/२०१८ रोजी "लेडीज शॉपी एक व्यवसाय संधी" या विषयावर मार्गदर्शनपर व्याख्यानाचे आयोजन करण्यात आले. यासाठी जत येथील प्रसिद्ध रिचल लेडीज शॉपीचे सौ. कांचन शिंदे यांना आमंत्रित करणेत आले होते. त्यांनी लेडीज शॉपीतील यशोगाथेचे कथन केले व विद्यार्थ्यांनी या व्यवसायामध्ये उतरावे असे आवाहन केले.
७. दि. २२/१०/२०१८ रोजी "ब्युटीपार्लर व्यवसाय महिलांसाठी एक लघु व्यवसाय संधी" या विषयावर व्याख्यानाचे आयोजन करण्यात आले. यासाठी जत येथील प्रसिद्ध निशा ब्युटीपार्लरच्या चालक निशा गडीकर यांना आमंत्रित करणेत आले होते. त्यांनी विद्यार्थ्यांनींना

या व्यवसायाकडे एक चांगली लघु व्यवसाय संधी म्हणून पाहावे असे सुचवले.

८. दि. ११/१२/२०१८ रोजी "स्टेशनरी दुकान एक व्यवसाय संधी" या विषयावर व्याख्यानाचे आयोजन करण्यात आले. या व्याख्यानासाठी जत येथील सिध्दीविनायक स्टेशनरी स्टोअर्सचे श्री राजेंद्र सूर्यवंशी यांना आमंत्रित केले होते. त्यांनी त्यांच्या व्याख्यानामध्ये ही संधी का निवडली? त्यांना कोणत्या अडचणींना सामोरे जावे लागले? त्यावर मात कशी केली? हे सांगितले.
९. दि. ८/१/२०१९ रोजी "भांडी दुकानातील उद्योजकता" या विषयावर व्याख्यानाचे आयोजन करण्यात आले. यासाठी जत येथील प्रसिद्ध भांडी व्यापारी श्री रणजीत ओसवाल यांना आमंत्रित करणेत आले होते. त्यांनी विद्यार्थ्यांना भांडी विक्री या व्यवसायातील यशोगाथा सांगितली.
१०. दि. २३/१/२०१९ रोजी "स्टेट बँक ऑफ इंडिया" शाखा जत या ठिकाणी अभ्यास भेट दिली.
११. दि. २४/१/२०१९ रोजी "भारतीय आयुर्विमा

महामंडळ" शाखा जत या ठिकाणी अभ्यास भेट दिली.

१२. दि. १३/२/२०१९ रोजी "गारमेंट क्षेत्रातील उद्योजकता" या विषयावर व्याख्यानाचे आयोजन करण्यात आले यासाठी जत येथील प्रसिद्ध प्रतिभा गारमेंटच्या सौ. प्रियदर्शनी मोरे यांना आमंत्रित करणेत आले होते. त्यांनी गारमेंट क्षेत्रातील उद्योजकतेबाबत सविस्तर विवेचन केले.
१३. दि. १२/३/२०१९ रोजी "घरगुती उपकरणे विक्री व दुरुस्ती व्यवसायातील उद्योजकता" या विषयावर व्याख्यानाचे आयोजन करण्यात आले होते. त्यासाठी जत येथील प्रसिद्ध घरगुती उपकरणे विक्री व दुरुस्ती व्यवसायक श्री नरेंद्र जमगे यांना आमंत्रित करणेत आले होते. त्यांनी या व्यवसायातील यशोगाथा विद्यार्थ्यांसमोर मांडली व विद्यार्थ्यांना प्रेरित केले.
१४. वरील सर्व उपक्रम, कार्यक्रम पार पाडण्यासाठी महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस. देकळे व सहकारी प्रा. आर. जे. गोरे यांचे सहकार्य लाभले.

प्रा. ए. आर. हेरवाडे



Department of B.C.A.

1. The students of B.C.A. department are arranged the Welcome function of B.C.A.-1 Year on 4th July 2018 and invited Mr. Sagar Kulkarni as a chief Guest. Sagar Kulkarni is Ex-Student of our department and currently working in HSBC Bank,Pune as a Project Manager.
2. Students of our department celebrated teachers Day on 5th September 2018 with a Dr. S. R. Kokare,(Head of Physics Department, R. R. College, Jath) as a chief guest .
3. Department has arranged one day Seminar

for BCA students on Linux and Redhat on 20th Feb 2019. Mr. Yash Pandit, Mr. Imran Khan and Mr.Prashant Kamble (IANT,Institute Sa ngli) have conducted the various sessions.

4. Department arranged career Counseling programme for B.C.A.-111 year students on 21stFeb 2019. Mr. Satyawan Khandagale (Asst. Prof., Zeal Institute, Pune) has conducted the programme with the subject 'Campus to Corporate'.

Mr. Shivanand Mali



प्राध्यापक प्रबोधिनी

प्राध्यापक प्रबोधिनी विभागांतर्गत महाविद्यालयात प्राध्यापकांसाठी वेगवेगळ्या विषयावर व्याख्यानाचे आयोजन करण्यात येते.

या विभागामार्फत या शैक्षणिक वर्षात शुक्रवार दि. १४/१२/२०१८ रोजी मा. डॉ. श्रीपाद जोशी यांचे पद्मश्री ग. दि. माडगूळकर यांच्या जन्मशताब्दी वर्षाच्या निमित्ताने व्याख्यान आयोजित करण्यात आले होते. या व्याख्यानात डॉ. श्रीपाद जोशी यांनी आपल्या मनोगतातून ग.दि. माडगूळकर यांचे बालपण, दारिद्र्यात झालेल्या हालअपेष्टा, औंध संस्थानातील शिक्षण आणि तेथील गंमती-जमती,

संवेदनशील साहित्याची जडणघडण, कथा, कविता पासून गीतरामायण, गीत रचनेपर्यंतचा प्रवास, उत्तम अभिनेता आणि त्यांच्यातील सामाजिक जाणवा यांचा परिचय करून दिला. या कार्यक्रमाच्या अध्यक्षस्थानी महाविद्यालयाचे प्राचार्य डॉ. व्ही. एस. ढेकळे सर उपस्थित होते. त्यांनी आपल्या मनोगतात गदिमांचे कार्य आणि प्राध्यापक प्रबोधिनीचे महत्त्व स्पष्ट केले. या कार्यक्रमात प्राध्यापक व शिक्षकेतर कर्मचारी मोठ्या संख्येने उपस्थित होते.

प्रा. एस. डी. चव्हाण
समन्वयक



Department of Physics

The Department of Physics has signed International Memorandum of Understanding (MoU) between Raje Ramrao Mahavidyalaya, Jath, India and Henan University, China for faculty exchange and research collaboration (December 2018). Dr. Sanjay S. Latthe is coordinator of this International MoU. This is the second International MoU after first with Tokyo University of Science, Japan in 2016.

Dr. A. K. Bhosale, Head of the Department of Physics is selected as Board of Studies (BOS) Member in Physics under faculty of Science and Technology, Shivaji University, Kolhapur (2018-19). Also Dr. Sanjay S. Latthe is selected as Board of Studies (BOS) in Physics Subcommittee Member under faculty of Science and Technology, Shivaji University, Kolhapur (2018-19). One of the faculty, Dr. Shrikant R. Kolkare has been appointed as Director of Examination and Evaluation of Solapur University, Solapur.

Dr. Sanjay S. Latthe and three students Miss. Mayuri Sutar, Miss. Varsha Patil, Mr. Chandrakant Barakade of Dept. of Physics visited Tokyo University of Science, Noda, Japan during 10th June 2018 – 30th June 2018 through “Japan-Asia Youth Exchange Program in Science” (Sakura Exchange Program in Science) administered by Japan Science and Technology Agency (JST),

Japan.

Dr. Sanjay S. Latthe visited as Visiting Professor at Henan Key Laboratory of Polymetalate Chemistry, Henan Joint International Research Laboratory of Environmental Pollution Control Materials, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, P. R. China during 17th September to 11th November 2018.

The Department of Physics has organized “Third International Conference on Advances in Materials Science” during 27th – 29th December 2018. In this conference, five scientists from Qatar and three researchers from Nepal, Guinea Conakry, Gambia were participated with total participants of more than 250. The Department of Physics has also organized “One Day International Workshop on Job Opportunities for Indian Students in Japan” on 28th February 2019 and “One Day National Workshop on Contributions of Women to Science and Opportunities for Women in Science” on 15th February 2019.

The faculty of the Department of Physics has published the 05 research papers in peer reviewed International Journals and also participated and presented the research work in 07 National and International conferences. The Ph.D. and Master students of Department of

Physics, Mr. Rajaram S. Sutar, Miss. Tejashwini B. Shinde, Miss. Smita B. Pawar and Mr. Tushar M. Khot have published their M.Sc. research project work (Project Supervisor: Dr. Sanjay S. Latthe) in reputed, high impact factor peer reviewed International Journal of ACS Applied Nano Materials (American Chemical Society). Also the graduate and post-graduate students have participated in various research competitions like AVISHKAR and in various workshops,

conference and seminars. Some of the students got awarded by best poster presentation (Miss. Shrutika Kshirsagar and Miss. Akshata Sawant). Mr. Prashant Yadav (M.Sc., Physics) and Mr. Chandrakant Barakade (B.Sc., Physics) earned Student of the Year award. Mr. Prashant Yadav have earned prizes in elocution and debate competitions.

Dr. A. K. Bhosale



Science Association

A chairman Dr. A. K. Bhosale and members of science association, Prof. S. P. Dhariguada, Dr. V. S. Jadhav, Mr. D. A. Kumbhar, Mr. G. D. Salunkhe, Dr. S. S. Latthe have organized the inauguration of Science Association on 05th February 2019. Dr. Rajendra R. Kumbhar, Principal, Jaysingpur College, Jaysingpur had delivered an Invited Talk on "To Develop Scientific View".

Almost all the science departments have published wall papers and posters on numerous topics like Nanotechnology, Women in Science, Medicinal plants, Frogs, Statistical methods, Advancement in Chemistry, Mathematics in cutting edge science and many. The guest lectures were also conducted for the benefit of students by the resource persons on various topics, Dr. Dada Nade (Quantum Mechanics), Dr. Rani Pawar (Experimental Techniques), Dr. Sarita Patil (Electrodynamics), Dr. Vinayak Ganbavle (Zeeman Effect), Dr. Poonam Shewale (Atomic Model), Dr. Satyappa Jigjeni (Materials Science),

Dr. U. T. Pawar (Scattering Theory), Mr. Sachin Patil (Classical Mechanics), Prof. M. M. Tonape (Advancement in Nanotechnology).

Science association always promoted students to participate in research competitions. The graduate and post-graduate students have participated in various research competitions like AVISHKAR and in various workshops, conference and seminars. Some of the students got awarded by best poster presentation. This year 05 students from various faculty participated in Avishkar Competition held at Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon on 24th December 2018.

Principal and every faculty gave full support and freedom to carry out activities of science association. I am thankful to all teacher as well as students who actively involved in the programs organized by science association.

Dr. A. K. Bhosale



एस. ए. फंड समिती

या महाविद्यालयात कार्यरत असणाऱ्या एस.ए.फंड समिती अंतर्गत गरजू विद्यार्थी व विद्यार्थिनींना आर्थिक मदत देण्यात येते. सदर समितीची बैठक मा. प्राचार्य समवेत २४/०९/२०१९ रोजी पार पडली. जे विद्यार्थी आर्थिकदृष्ट्या गरीब आहेत त्यांना व शासकीय कोणतीही सवलत मिळत नाही

अशा विद्यार्थ्यांना एस.ए.फंडातून आर्थिक मदत देण्यायोग्य ठरविण्यात आले. सदर विद्यार्थी- विद्यार्थिनींना एस.ए.फंडातून रक्कम रुपये १२७०० देण्यात आली.

प्रा. के. के. रानगर
समिती प्रमुख

Dr. V. S. Dhekale

I/P Principal and Associate Professor in commerce

1. Resource person for the workshop organised on 'Conduct of examination' by IQAC, Raje Ramrao Mahavidyalaya, Jath.
2. Resource person for the workshop organised under Lead college scheme on 'Democracy, Election and Good Governance' of Raje Ramrao Mahavidyalaya, Jath.
3. Resource person for the seminar organised by IQAC, Raje Ramrao Mahavidyalaya, Jath on 'International Property Rights'
4. Chairman, panel Inspection committee for Junior College (Miraj, Savarde, Tal. Tasgaon and Daflapur, Tal. Jath) constituted by Vidya Samiti, Shri Swami Vivekanand Shikshan Santha, Kolhapur.
5. Member, Academic and Administrative Audit committee constituted by Shri Swami Vivekanand Shikshan Sanstha, Kolhapur for SGK College, Pen (Raigad) and Vivekanand College, Kolhapur.



Mr. D. A. Kumbhar

✓ Research Project:-

Ongoing minor research project of 1 lakh grant is sanctioned under "Research Initiation Scheme" from Shivaji University Kolhapur.

✓ Research Papers published:-

Paper published on "Effect of Copper doping on structural and optical properties of ZnO Nanoparticles Using Sol-gel method" at Third International Conference on "Advances in Material Science" organized by Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath on 27th to 29th Dec. 2019.

✓ Research Papers Presented:-

1. Paper presented on "Recent Advances in Regenerative solar cell" at International Conference on Energy, Environment and Ethics in Research" organized by Y. C. College, Warananagar on 7th Feb. 2019.
2. Paper presented on "Effect of Mn and Cu doping on ZnO by sol-gel method" at Second International Conference on "Integrative approach in Environment and applied sciences" organized by P. D. V. P. College, Tasgaon on 8th and 9th Feb. 2019.

✓ Workshop Attended

1. Attended one day workshop on "Revised Syllabus of B. Sc. I" organized by Department of Chemistry, Arts, Commerce and Science College, Burli on 13th Aug. 2018.
2. Attended one day workshop on "Revised

Syllabus of M. Sc. I (Organic Chemistry)" organized by Department of Chemistry, Willingdon College, Sangli on 20th Aug 2018.

3. Attended one day workshop on "Revised Syllabus of M. Sc. I (Inorganic Chemistry)" organized by Department of Chemistry, Balawant College, Vita on 20th Aug 2018.
4. Attended one day training on "ASHE/MIS" jointly organized by Willingdon College, Sangli and Shivaji University, Kolhapur on 3rd Jan 2019.

✓ Coordinator / Committee

1. Worked as coordinator of AISHE (All India survey of Higher Education) data uploading.
2. Worked in Organizing committee of Third International Conference on "Advances in Material Science" organized by Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath on 27th to 29th Dec. 2019.
3. Worked in organizing committee of one day International workshop on 'Job Opportunities of Indian student in Japan' organized by Dept. of Chemistry, Dept. of Physics and IQAC, at Raje Ramrao Mahavidyalaya, Jath on 28th Feb. 2019.

✓ College committee Chairman

College Website Committee & Academic Calendar

- ✓ Working as a College committee member of IQAC Ramvijay

Mr. G. D. Salunke

✓ Research Papers published:-

Paper published on "Effect of Copper doping on structural and optical properties of ZnO Nanoparticles Using Sol-gel method" at Third International Conference on "Advances in Material Science" organized by Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath on 27th to 29th Dec. 2019.

✓ Research Papers Presented:-

1. Paper presented on "Recent Advances in Regenerative solar cell " at International Conference on Energy, Environment an Ethics in Research" organized by Y. C. College, Warananagar on 7th Feb. 2019.
2. Paper presented on "Effect of Mn and Cu doping on ZnO by sol-gel method " at Second International Conference on "Integrative approach in Environment and applied sciences" organized by P. D. V. P. College, Tasgaon on 8th and 9th Feb. 2019.\

✓ Workshop Attended

Attended one day workshop on "Revised Syllabus of B. Sc. I" organized by Rajarshi Chhatrapati Shahu College, Kolhapur.

✓ Coordinator / Committee

1. Worked in Organizing committee of Third International Conference on "Advances in Material Science" organized by Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath on 27th to 29th Dec. 2019.
2. Worked in organizing committee of one day International workshop on 'Job Opportunities of Indian student in Japan" organized by Dept. of Chemistry, Dept. of Physics and IQAC, at Raje Ramrao Mahavidyalaya, Jath on 28th Feb. 2019.

✓ Working as a College committee member of

- * IQAC
- * NAAC
- *Lead College
- * NSS



Dr. V. S. Jadhav

✓ Participation in Seminars/ Conferences/ Workshop

1. One day Workshop on "Revised syllabus of B. Sc. -I". August 07 2018. Dhaiwadi college Dhaiwad.
2. Two days International conference on "Advances in Material Science. December 28, 29 2018. Dept. of Physics R.R. College Jath.
3. One day Workshop on "General Math and Competitive Exam" under lead college. Feburary 9 2019. Raje Ramrao Mahavidyalaya Jath Dist. Sangli.
4. Participate in Research Project Competition at District level held PDVP Mahavidyalya

Tasgaon. December 24 2018

✓ Paper Presentation / Published

1. Physico-Chemical Parameter of Nanda Village Pond in Bhokar Tahshil of Nanded District. (M.S.). V R J LS. Vol. - I

✓ Co-curricular Activities

1. Member of Debating and Elocution Committee.
2. Chairmen of Competitive Exam and Personality Development

✓ Training course completed

Refresher course completed at University of Hyderabad from 15/02/2019 to 07/03/2019.



Mr. H. D. Tongare

✓ Paper Presented

1. Presented a paper in Two days National conference organized by dept.of Hindi, New Arts, Commerce and science College, Parner Dist - Ahmadnagar entitled 'Dushyant kumar ki Gajhalon ka Rajnitik paridrasya' on "21,22. Dec.2018
2. Presented a paper in One day national conference organized by dept.of Hindi vaidhyanath mahavidyalay Parali And Arts And Commerce College Parali vaijanath entitled 'Ekkisavi sadi ka Hindi Sahitya: sanvedana ke Swar' on 01-feb.2019
3. Presented a paper in two day International conference organized by dept. of Languges, D. P. Bhosale College Koregaon, entitled 'Ghumantu Samaj ki Shramsanskriti ka kala evam Sahitya me Pratibimb?' on 01,02 April. 2019.

✓ Paper Published

1. Published a paper entitled 'Dushyant kumar ki Gajhalon ka Rajnitik paridrasya' with ISSN no. 23199318 on 2018-19
2. Published a paper entitled 'Ekkisavi sadi ki Kavitaon Me Chitrit Adivasi Jivan ' with ISSN no 2348-7143 on 2018-19
3. Published a paper entitled 'Ghumantu Samaj ki Shramsanskriti ka kala evam Sahitya me Pratibimb?' with ISSN no.on.2018-19.

✓ Workshop Organized

'Competitive Examination: Math's Techniques organized by under the scheme of lead college activity on 09 feb 2019.

'Journalism & Translation ' organized by under the scheme of lead college activity on 11 feb 2019

'Democracy, Election And Good Governance' organized by under the scheme of lead college activity on 13 March 2019

✓ Conference/workshop/seminar Attended

1. Attend the two days International Conference by dept. of Physics, Raje Ramrao Mahavidyalaya, Jath, entitled 'Advance in Material science' on 27-29.Dec 2018.
2. Attend the one day International workshop by dept. of Physics, Raje Ramrao Mahavidyalaya, Jath, entitled 'job Opportunities for Indian students in japan on 28 feb 2019.
3. Attend the two days national Workshop by Devchand College, Arjunagar, entitled 'e-Content Development ' on 08,09 Feb 2019.
4. Attend the one day national Workshop by IQAC Arts, Science and Commerce College, Baramati, entitled 'One Day Interaction Meet' on 16 July 2018 .
5. Attend the one day Workshop by IQAC Raje Ramrao Mahavidyalaya, Jath. Entitled Conduct of University Examination on 25th march 2019.



Mr. R. D. Karande

1. Delivered a guest lecture on the occasion of Inaugural Function of English Literary Association in PDVDP Mahavidyalaya, Tasgaon, Dist- Sangli.
2. Delivered a Resource Person Lecture on "Innovative Techniques of Teaching English Phonetics" in One Day Workshop organized for Higher Primary English Teachers by Dept. of English Raje Ramrao Mahavidyalaya, Jath.
3. Worked as a coordinator of one day workshop for Higher Primary Teachers with the main theme of "Innovative Methods, Approaches and Techniques of Teaching English" on 04th

Feb., 2019.

4. Participated in workshop on "Journalism and Translation" organized by Lead College Committee, Raje Ramrao Mahavidyalaya, Jath.
5. Participated in workshop on "Democracy and Good Governance" organized by Lead College Committee, Raje Ramrao Mahavidyalaya, Jath.
6. Participated in workshop on "Job Opportunities in Japan" organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath.
7. Worked as the Director of University Examination Committee of Raje Ramrao Mahavidyalaya, Jath.

Mr. K. K. Rangar

✓ Research Papers Presented:-

Paper presented on "Role of National Service Scheme" at Second International Conference on "Integrative approach in Environment and applied sciences" organized by P. D. V. P. College, Tasgaon on 8th and 9th Feb. 2019.

✓ Workshop Attended

1. Attended one day workshop on "Revised Syllabus of B. Sc. I" organized by Department of Chemistry, Arts, Commerce and Science College, Burla on 13th Aug. 2018.
2. Attended one day workshop on "Revised Syllabus of M. Sc. I (Organic Chemistry)" organized by Department of Chemistry, Willingdon College, Sangli on 20th Aug 2018.
3. Attended one day workshop on "Revised Syllabus of M. Sc. I (Analytical Chemistry)" organized by Department of Chemistry, Jaysingpur College, jaysingpur on 16th Aug

2018.

✓ Coordinator / Committee

1. Worked in Organizing committee of Third International Conference on "Advances in Material Science" organized by Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath on 27th to 29th Dec. 2019.
2. Worked in organizing committee of one day International workshop on 'Job Opportunities of Indian student in Japan' organized by Dept. of Chemistry, Dept. of Physics and IQAC, at Raje Ramrao Mahavidyalaya, Jath on 28th Feb. 2019.

✓ Working as a College committee member of

- | | | |
|------------|---------------|--------------|
| * NSS | * Examination | * CDC |
| * Hostel | * Time Table | * S. A. Fund |
| * Admition | | |



Mr. R. S. Banasode

1. Presented and published a research paper entitled "Complex Feministic Voices in W. Gibson's Cyberpunk Neuromancer (Molly Millions)" in One Day Interdisciplinary National Seminar on "Role of Women in Literature, Humanities, Commerce and Science" on 15th Sept., 2018 by V. P. College, Kale, Dist-Kolhapur.
2. Presented and published a research paper entitled "Importance of Communication and Changing Dimensions of English Language" in One Day Multidisciplinary International Conference on "Recent Trends in Library, Science & Technology, Humanities and Commerce & Management" on 21st Dec., 2018 by Anandibai Raorane College, Vaibhavawadi.
3. Published a research paper entitled "A Study of New Wave Movement in Science Fiction" in Literary Endeavour, (ISSN 0976-299X) UGC approved research Journal.
4. Published a research paper entitled "Best Practices: Benchmarking Approach for Quality Enhancement in HEIs" in NAAC Sponsored

One Day National Seminar on Development of Quality Culture in HEIs on 15th March, 2019 by IQAC, Vivekanand College, Kolhapur.

5. Participated in Two Day Workshop on e-Content Development organized by IQAC, Devchand College, Arjun Nagar on 08th and 09th Feb., 2019.
6. Worked as a convener of one day workshop for Higher Primary Teachers with the main theme of "Innovative Methods, Approaches and Techniques of Teaching English" on 04th Feb., 2019.
7. Worked as a chairperson of Special Cell Standing Committee, Scholarship Committee and member of IQAC, Lead College Committee, Magazine Committee, Edu. Tour Committee, College Website Committee.
8. Successfully completed online Refresher course in English Language Teaching organized by MHRD - National Resource Center, HRDC Gujarat University through SWAYAM portal from 1.11.2018 to 28-02-2019.

Mr. R. B. Patil

1. Participated and presented paper published in one day National Level Seminar on "Dimensions of Rural Development in India After Independence" sponsored by ISSR New Delhi and organized by social sciences and commerce college, Nagthane dist Satara on 22 Feb 2019.
2. Presented and published paper in one day "Interdisciplinary International Conference on Contemporary Issues and challenges in social sciences and Languages". Organized by political sciences, Shri Shivaji Chatrapati Mahavidyalaya Kolhapur on 22 Sept. 2019.
3. Participated in one day workshop on Revised syllabus of B.A. part I D.S.E. I and II organized by S.U. Kathagur and Dept. of Geography Yashwantrao Chavan, Warna Mahavidyalaya, Warnanagar, Tal.-Panhala, Dist-Kolhapur on 14 Aug 2018
4. Poetry Reading, guidance for 10th student on the function of fair-well function at New English School Akundi, Tal.-Jath, Dist.-Sangli on 13 Feb. 2019.
5. Participated in teachers training workshop on understanding Climate change and Sustainable development Goals for Sufer Planet and a sustainable future on 16 Jan. 2019.
6. Guidance for 10th students on the function of fair-well function at on new English school Baj. Tat Jath Dot. Sangli.



Mr. P. J. Choudhary

✓ Research Papers

1. A paper entitled "पर्यावरण संरक्षणत आदिवासींचे योगदान" Published in the an International multidisciplinary Half Yearly research Journal, Ajanta Prakashan, Aurangabad, Issu Oct.-Nov. - 2018. Impact factor-5.5, ISSN No. 2277-5730

✓ Conferences/Seminar

1. A paper entitled "भारतीय पर्यटनात आदिवासी लोककलांचे योगदान" Presented in one day International Multidisciplinary seminar at Shri Sant Damaji Mahavidyalaya, Mangalwedha during 21st January 2019.
2. A paper entitled "स्वच्छ भारत अभियानाचे ऐतिहासिक अध्ययन" Presented in one day national seminar at Dattajirao Kadam Art, Science and Commerce College, Ichalkaranji during 31st January 2019.

✓ Attended the Seminar/ Conference/ Workshop

1. Attended the one day Workshop organize by Krantisinh Nana Patil College, Walwa and Shivaji University, Kolhapur on antitled "Revised Syllabi of History at B.A.I" in 11th August 2018.
2. Attended the one day Workshop organize by Krantisinh Nana Patil College, Walwa and Shivaji University, Kolhapur on antitled "बी. ए. भाग-१ सुधारित एकदिवसीय कार्यशाळा" बी.ए. भाग-२ प्रस्तावित सुधारित अभ्यासक्रम" in 11th August 2018.
3. Attended the International Conference organize by Department of Physics, R. R. College, Jath" Third International Conference on Advances in Materials Science" in 27-29 December 2018.

✓ Invited Talks

A lecture on" Bahirji Naik the Great Phy of Shivaji Maharaj" delivered on Department of History of R. R. College, Jath held on 22th December 2018.



Mr. A. T. Shinde

1. Attend one day workshop on Geography and Human Geography held in Jointly organized by Shivaji University Kolhapur and Dept. of Geography Yashwantrao Chaven Mahavidyalaya Warananagar, on 14th Aug. 2018.
2. Participated one day International Conference on "Contemporary issues and challenges in social sciences and languages" organized by Shri Shivaji Chatrapati Mahavidyalaya Dept. of Political Sciences on Saturday 22th Sept. 2018.
3. Attend one day national seminar in growth of Kanada language in border area's organized by A.C.S. College Umadi on 20th Oct. 2019.
4. Participated third International Conference on Advances in Material Sciences (ICAMS-2018) on 27-28th Dec. 2018 organised by post graduate dept. of Physics Rajeramrao Mahavidyalaya Jath.
5. Attend one-day workshop on 'General Mathematic and compative Exam' on 9th Feb. 2019 organised by Rajeramrao Mahavidyalaya Jath.
6. Attend one-day workshop "Gernalism Translation" on 11th Feb. 2019 organised by Rajeramrao Mahavidyalaya Jath.
7. Participation in one day national workshop on "Contribution of women to Science and opportunities for women in Science" on 15th Feb. 2019 organised by R.R. College Jath (IQAC) Dept. of Physics.



Dr. A. K. Bhosale

✓ Committees/National/International Conference (04)

1. Board of Studies (BOS) Member in Physics under faculty of Science and Technology, Shivaji University, Kolhapur (2018-19).
2. Secretary of "One Day International Workshop on Job Opportunities for Indian Students in Japan" organized by Department of Chemistry, Department of Physics and IQAC, Raje Ramrao Mahavidyalaya, Jath, India on 28th February 2019.
3. Co-Convenor of "One Day National Workshop on Contributions of Women to Science and Opportunities for Women in Science" organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 15th February 2019.
4. Co-Convenor of "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.

✓ Research Articles Published in International Journals (02)

1. Sanjay S. Latthe, R. S. Sutar, T. B. Shinde, S.

B. Pawar, T. M. Khot, A. K. Bhosale, Kishor Kumar Sadasivuni, R. Xing, L. Mao, S. Liu, "Superhydrophobic Leaf Mesh Decorated with SiO₂ Nanoparticle-Polystyrene Nanocomposite for Oil-Water Separation", ACS Appl. Nano Mater., 2019, 2 (2), pp 799-805. (IF = 4.5)

2. Sanjay S. Latthe, R. S. Sutar, V. S. Kodag, A. K. Bhosale, A. M. Kumar, K. K. Sadasivuni, R. Xing, S. Liu, "Self-cleaning superhydrophobic coatings: Potential industrial applications", Progress in Organic Coatings 128, 52-58. (IF = 2.97).

✓ Research Articles Published in Conferences and Symposiums (01)

Rajaram S. Sutar, Sanjay S. Latthe, A. K. Bhosale, Ruimin Xing, and Shanhu Liu, "Durable Self-cleaning Superhydrophobic Coating of SiO₂ - Cyanoacrylate adhesive via Facile Dip Coat Technique" Macromolecular Symposia, Accepted (2018) in "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.

✓ Papers Presented at National and International Conferences (05)

1. Participated, "National Conference on Nanomaterials-2018 (NCNm-2018)", organized by Department of Physics, Vivekanand College, Kolhapur, Maharashtra, India on 21st August 2018.
2. Participated, "National Seminar on Modern Approaches in Sciences" organized by Faculty of Science, IQAC of K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, on 28th January 2019.
3. Participated, "One Day International Workshop on Job Opportunities for Indian Students in Japan" organized by Department

of Chemistry, Department of Physics and IQAC, Raje Ramrao Mahavidyalaya, Jath, India on 28th February 2019.

4. Participated, "One Day National Workshop on Contributions of Women to Science and Opportunities for Women in Science" organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 15th February 2019.
5. Participated, "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.



Dr. S. S. Latthe

✓ Fellowships/Awards/Scientific Abroad Visits (02)

1. Visiting Professor at Henan Key Laboratory of Polyxometalate Chemistry, Henan Joint International Research Laboratory of Environmental Pollution Control Materials, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, P. R. China during 17th September to 11th November 2018.
2. Participated in "Japan-Asia Youth Exchange Program in Science" (Sakura Exchange Program in Science) administered by Japan Science and Technology Agency (JST) during 10th June 2018 - 30th June 2018 in Tokyo University of Science, Noda, Japan.

✓ Foreign Affairs (02)

1. Three students Miss. Mayuri Sutar, Miss. Varsha Patil, Mr. Chandrakant Barakade of Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath visited Tokyo University of Science, Noda, Japan during 10th June 2018 - 30th June 2018 through "Japan-Asia Youth Exchange Program in Science" (Sakura Exchange Program in Science) administered by Japan Science and Technology Agency (JST), Japan.
2. Co-ordinator of the International MoU signed between Raje Ramrao Mahavidyalaya, Jath, India and Henan University, China for

faculty exchange and research collaboration (December 2018).

✓ Invited Lectures/Guest Lectures (02)

1. Guest Lecture on "Superhydrophobic Meshes/Sponges for efficient Oil - water Separation Application" on 11th October 2018 at Henan Key Laboratory of Polyxometalate Chemistry, Henan Joint International Research Laboratory of Environmental Pollution Control Materials, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, P. R. China.
2. Guest Lecture on "Superhydrophobic surfaces for self - cleaning and oil - water separation applications" on 12th June 2018 at Photocatalysis International Research Center (PIRC), Tokyo University of Science, Noda, Japan.

✓ Committees/National/International Conference (04)

1. Convenor of "One Day International Workshop on Job Opportunities for Indian Students in Japan" organized by Department of Chemistry, Department of Physics and IQAC, Raje Ramrao Mahavidyalaya, Jath, India on 28th February 2019.
2. Convenor of "One Day National Workshop on Contributions of Women to Science and Opportunities for Women in Science"

- organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 15th February 2019.
3. Convenor of "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.
 4. Board of Studies (BOS) in Physics Subcommittee Member under faculty of Science and Technology, Shivaji University, Kolhapur (2018-19).
- ✓ **Books/Book Chapters Published (01)**
Sanjay S. Latthe, Kazuya Nakata, Rainer Höfer, Akira Fujishima, Chiaki Terashima, "Lotus Effect-based Superhydrophobic Surfaces: Candle Soot a promising class of Nanoparticles for Self-cleaning and Oil-water Separation Applications" in Surface Coatings and Adhesives: Sustainable Technologies and Applications, 2017, Royal Society of Chemistry (RSC), Chapter #, pp. # (Accepted).
- ✓ **Research Articles Published in International Journals (04)**
1. Sanjay S. Latthe, R. S. Sutar, T. B. Shinde, S. B. Pawar, T. M. Khot, A. K. Bhosale, Kishor Kumar Sadasivuni, R. Xing, L. Mao, S. Liu, "Superhydrophobic Leaf Mesh Decorated with SiO₂ Nanoparticle-Polystyrene Nanocomposite for Oil-Water Separation", ACS Appl. Nano Mater., 2019, 2 (2), pp 799-805. (IF = 4.5)
 2. Sanjay S. Latthe, R. S. Sutar, V. S. Kodag, A. K. Bhosale, A. M. Kumar, K. K. Sadasivuni, R. Xing, S. Liu, "Self-cleaning superhydrophobic coatings: Potential industrial applications", Progress in Organic Coatings 128, 52-58. (IF = 2.97).
 3. R. Li, S. Li, Y. Liu, T. Ochiai, Sanjay S. Latthe, K. Nakata, R. Xing, S. Liu, "Polyelectrolyte-assisted soft reduced process for Pt-Cu nanoclusters with enhanced electrocatalytic activity for the methanol oxidation reaction", Journal of Physics and Chemistry of Solids 124, 361-366. (IF = 2.20).
 4. T. Adachi, Sanjay S. Latthe, S. W. Gosavi, N. Roy, N. Suzuki, H. Ikari, K. Kato, K. Katsumata, K. Nakata, M. Furudate, T. Inoue, T. Kondo, M. Yuasa, A. Fujishima, C. Terashima, "Photocatalytic, superhydrophilic, self-cleaning TiO₂ coating on cheap, light-weight, flexible polycarbonate substrates", Applied Surface Science 458 (2018) 917-923. (IF = 4.43).
- ✓ **Research Articles Published in Conferences and Symposiums (01)**
Rajaram S. Sutar, Sanjay S. Latthe, A. K. Bhosale, Ruimin Xing, and Shanhu Liu, "Durable Self-cleaning Superhydrophobic Coating of SiO₂ - Cyanoacrylate adhesive via Facile Dip Coat Technique" Macromolecular Symposia, Accepted (2018) in "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.
- ✓ **Papers Presented at National and International Conferences (05)**
1. Participated, "National Conference on Nanomaterials-2018 (NCNm-2018)", organized by Department of Physics, Vivekanand College, Kolhapur, Maharashtra, India on 21st August 2018.
 2. Participated, "National Seminar on Modern Approaches in Sciences" organized by Faculty of Science, IQAC of K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, on 28th January 2019.
 3. Participated, "One Day International Workshop on Job Opportunities for Indian Students in Japan" organized by Department of Chemistry, Department of Physics and IQAC, Raje Ramrao Mahavidyalaya, Jath, India on 28th February 2019.
 4. Participated, "One Day National Workshop on Contributions of Women to Science and Opportunities for Women in Science" organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 15th February 2019.
 5. Participated, "Third International Conference on Advances in Materials Science" organized by Post-Graduate Department of Physics, Raje Ramrao Mahavidyalaya, Jath, India on 27th - 29th December 2018.



Ms. L. P. Saptal

✓ Presented/Published paper

1. Presented paper entitled "Nesting site and Nesting material of House crow (Corvus splendens) in Jawala bazaar Aundha (Nag.), dist. Hingoli in Third international conference on Advances in Material science on 27-29 December 2018 organized by Post graduate department of physics, Raje Ramrao Mahavidhyalaya Jath, dist. Sangli.
2. Presented paper entitled "Survey of Waders in the catchment area of Nageshwarwadi tank tq. Aundha (Nag.) dist. Hingoli (M.S.) India in international conference on Advances in pure and Applied Sciences organized by Balwant college, Vita on 5th & 6th January, 2019.

✓ Seminars/Conferences/Workshops Attended-

1. Attended Third international conference on Advances in Material science on 27-29 December 2018 organized by Post graduate department of physics, Raje Ramrao Mahavidhyalaya Jath, dist. Sangli.
2. Attended two days international conference on Advances in pure and Applied Sciences organized by Balwant college, Vita on 5th & 6th January, 2019.
3. Attended "2nd All India and 32nd Maharashtra state Pakshi Mitra Sammelan" Organised by Karad Gymkhana-Karad, co-organiser Sahyadri Tiger reserve, Kolhapur on 23 & 24 Nov. 2018.
4. Attended One day National Workshop on

"Contributions of women to Science and Oppurtunities for Women in science" Organised by Dept. of Physics Internal Quality Assurance Cell (IQAC) Raje Ramrao Mahavidyalaya Jath, Dist. Sangli. on 15th February 2019.

5. Attended One Day International Workshop on "Job Opportunities for Indian Students in Japan" on 28th February 2019 Organised by Dept. of Chemistry, Dept. of Physics & Internal Quality Assurance Cell (IQAC) Raje Ramrao Mahavidyalaya Jath, Dist. Sangli, Maharashtra, India.
6. Attended Two Day national Workshop on Scientific and Technical Terminology in Environment, Zoology and Biology On 7th & 8th March Organised by Government of India in P.D.V.P. Mahavidyalaya, Tasgaon.
7. Attended One Day Workshop on "Conduct of University Examination" on 25th march 2019 Organised by Internal Quality Assurance Cell (IQAC), Raje Ramrao Mahavidyalaya, Jath, Dist-Sangli, Maharashtra, India.

✓ Exhibition-

1. Exhibition of bird photography in the department of Zoology, Art's, Commerce and Science Nagnath College, Aundha (Nag.) on 20 July 2018.
2. Exhibition of bird photography in the Late. Wamanrao Bordikar English school Aundha (Nag.) Dist. Hingoli on 21 July 2018.



डॉ. एस. जी. गावडे

1. दि. १४ आणि १५ डिसेंबर २०१८ रोजी विवेकानंद महाविद्यालय, कोल्हापूर येथे ICSSR मुंबई पुरस्कृत 'वैतन, रोजगार आणि सामाजिक सुरक्षा' या विषयावरील राष्ट्रीय चर्चासत्राचे समन्वयक (Convener) म्हणून आयोजन केले.
2. दि. ११ फेब्रुवारी २०१९ रोजी राजे रामराव महाविद्यालय, जत मार्फत आयोजित अग्रणी महाविद्यालय अंतर्गत 'पत्रकारिता आणि भाषांतर' या विषयावरील

कार्यशाळेमध्ये सहभाग.

3. दि. १५ मार्च २०१९ रोजी विवेकानंद महाविद्यालय, कोल्हापूर येथे NAAC बेंगलोर पुरस्कृत राष्ट्रीय चर्चासत्रामध्ये शोधनिबंध सादर केले.
4. दि. २५ मार्च २०१९ रोजी राजे रामराव महाविद्यालय, जत यांचेमार्फत आयोजित विद्यापीठ परिक्षा या विषयावरील एकदिवसीय कार्यशाळेमध्ये सहभाग.

Dr. S. R. Kulal

1. Worked as a Chair Person in one day National level seminar on "Development of Quality Culture in HEIs" by Dept. of IQAC at Vivekanand College, Kolhapur on 15th March. 2019.
2. Worked as Convener in workshop on "Conduct of University Examination" by Internal Quality Assurance Cell (IQAC) held at Raje Ramrao College, Jath on 25th March 2019.
3. Worked as Co-Convener in National conference on "Opportunities for Women in Science" by PG Dept. of Chemistry and Physics held at Raje Ramrao College, Jath on 15th Feb. 2019.
4. Worked as Co-Convener in one day International Workshop on "Job Opportunities for Indian Students in Japan" by IQAC, Dept. of Chemistry and Physics at Raje Ramrao Mahavidyalaya, Jath on 28th Feb. 2019.
5. Worked as member of Organizing Committee in International Conference on "Advances in Material Science" by PG Dept. of Physics held at Raje Ramrao College, Jath during 27th -29th Dec. 2018.
- ✓ **Course Completed :**
Successfully Completed Annual Refresher Programme in Teaching (ARPIT) through Swayam organized by UGC, HRDC Khalasa College, Delhi University during 1st Nov. 2018 to 28th Feb. 2019.
- ✓ **Papers presented/ Attended in Seminars/ Conferences/Workshops**
 1. Presented a paper in Two days International Conference on Materials Science by Dept. of Physics at Raje Ramrao Mahavidyalaya, Jath during 27th -29th Dec. 2018.
 2. Presented a paper in One day International Conference on "Energy, Environment and Ethics in Research" by Dept. of Sciences at Y. C. Warana Mahavidyalaya, Warananagar, Dist- Kolhapur on 7th Feb. 2019.
 3. Presented a paper in one day International Workshop on " Job Opportunities for Indian Students in Japan" by IQAC, Dept. of Chemistry and Physics at Raje Ramrao Mahavidyalaya, Jath on 28th Feb. 2019.
 4. Presented a paper in one day National level seminar on "Development of Quality Culture in HEIs" by Dept. of IQAC at Vivekanand College, Kolhapur on 15th March. 2019.
 5. Presented a paper in Two days National level seminar by Dept. of Chemistry at D. P. Bhosale College, Koregaon, Dist- Satara during 1st -2nd April 2019.
 6. Attended one day Workshop on "Accreditation of Higher education Institutes through Revised NAAC Framework" organized by Lal Bhahaddur shastri College Satara on 31st Dec. 2018.
 7. Attended one day Workshop on "Role of Mathematics in Competitive Examinations " by Dept. of Mathematics Under Lead College Scheme at Raje Ramrao Mahavidyalaya, Jath on 9th Feb. 2019.
 8. Attended one day Workshop on "Patrakarita Ek Anuvad" by Dept. of Languages Under Lead College Scheme at Raje Ramrao Mahavidyalaya, Jath on 11th Feb. 2019.
 9. Attended one day Workshop on "Democracy, Elections and Good Governance" by Dept. of Political Science Under Lead College Scheme at Raje Ramrao Mahavidyalaya, Jath on 11th March. 2019.
- ✓ **Papers Published in International/ National Journals & Conferences :**
 10. S. S. Latthe, S. R. Kulal "Self-Cleaning Superhydrophobic Coating by ODS modified Silica Particles", International interdisciplinary research journal, ISSN- 2349-638X.
 11. S. N. Tambe, S. R. Kulal, S. R. Kokare and D. J. Salunkhe "Synthesis and Characteriation of (BaSr)PbTiO₃ material compositions" Macromolecular symposia, Wiley publication ISSN- 1521-3900.
- ✓ **Minor research Project :**
Research Initiation Scheme, Shivaji University Kolhapur Sanctioned Rs.1.25 lakh for research project entitled "Photocatalytic activity of Cerium doped Zinc aluminate towards environmental remediation".

Ms. S. B. Deshmukh

✓ Presented/Published paper

1. A paper entitled "Biodiversity of avifauna in Ambabai temple eco-tourism centre of forest, jath dist-sangli (M.S)" published in - ISSN-2348-7143-UGC approved Research Journal-Multidisciplinary international E-research journal
2. A Paper entitled "Effect on avifauna due to dumped waste material in binal reservior" presented in Third international conference on advances in materials science in Raje Ramrao Mahavidalaya, Jat-PA-29
3. A paper entitled "Effect on avifauna due to dumped waste material in Tipphalli reservior, jat" in International conference on advances in pure and Applied Science (ICAPAS-2019) in balwant college, vita -PA-52
4. A paper entitled "Impact Of climatic changes effecting decline avifauna ,jath tahasil,Dist-Sangli" in 2nd international conference integrative approach in environmental and applied science in PDVP Mahavidyala Tasgaon -PA -51

✓ Attended

1. Participated in conference of "Scientific & technical terminology in Env,zoology and biology "in PDVP Mahavidhyalaya Tasgaon
2. Participated in 1st National conference on "Recent trends in pure & applied science (RTPAS -2019) " in Dr. Patangrao Kadam

mahavidyala ,sangli

3. Participated in 2nd National & 32 Maharashtra pakshimitra Sammelan", Karad

✓ Workshop

1. Presented poster in Contribution of women to science & Opportunities for women in science
2. Participated in Job opportunities for Indian students in japan in Raje Ramrao Mahavidyala, Jat
3. Participated in Internal quality assurance cell(IQAC) In R.R college, jath
4. Participated in Patrakarita & Anuvad in R.R college, jat

✓ Committee member

1. Pakshimitra of Maharashtra
2. Bombay natural History Society, Mumbai
3. NSS of Raje Ramrao mahavidyala ,jat
4. Invited talk
5. A lecture on women's health, rights delivered on occasion of 8th March of women's day in Bagalwadi jat,

✓ Others

1. An examiner in Drawing competition in jath Nagarparishad jat, of swach sarvakshan 2019
2. An examiner of drawing inter -competition in Swami Vivekananda jayanti saptah in R. R. college, Jat



श्री. ए. एच. बोगुलवार

१. दि. ११ फेब्रुवारी २०१९ रोजी राजे रामराव महाविद्यालय, जत मार्फत आयोजित अग्रणी महाविद्यालय अंतर्गत आयोजित 'पत्रकारिता आणि भाषांतर' या विषयावरील कार्यशाळेमध्ये सहभाग.
२. दि. २९ डिसेंबर २०१८ रोजी आयोजित 'भारतीय शेतीवरील वातावरण बदलाचा परिणाम' या विषयावरील संगमेश्वर कॉलेज, सोलापूर यांचेमार्फत आयोजित आंतरशाखीय एकदिवसीय राष्ट्रीय चर्चासत्रामध्ये

शोधनिबंध सादर केले.

३. दि. १६ जुलै २०१८ रोजी आर्ट्स, सायन्स आणि कॉमर्स कॉलेज, बारामती यांचेमार्फत आयोजित एकदिवसीय कार्यशाळेस सहभाग.
४. दि. ११ व १२ जानेवारी २०१९ रोजी एस. बी. कुल आर्ट्स, कॉमर्स आणि सायन्स कॉलेज, कडेगाव यांचेमार्फत आयोजित 'राष्ट्रीय आणि सहकारी बँकांमधील NPA ची समस्या' या विषयावरील

- राज्यस्तरीय चर्चासत्रामध्ये शोधनिबंध सादर केला.
५. दि. १६ फेब्रुवारी २०१९ रोजी कमला कॉलेज, कोल्हापूर येथे आयोजित "भारतीय शेतकऱ्यांसमोरील समस्या आणि आव्हाने" या विषयावरील आंतरशाखीय एकदिवसीय
- राष्ट्रीय चर्चासत्रामध्ये शोधनिबंध सादर केले.
6. UGC मानव संसाधन विकास केंद्र, कुमाऊँ विद्यापीठ नैनीताल (उत्तराखंड) येथे १-३-२०१९ ते ३०-३-२०१९ दरम्यान उजळणी वर्गामध्ये सहभाग.



Dr. R. A. Lavate

- ✓ **Participation in Workshops/Seminars/Conferences/Symposia :**
1. Actively participated and worked as "Resource Person" in one day workshop on "Revised Syllabus of B.Sc. I Botany (Practical) as per CBCS" on 20th August, 2018 held at Department of Botany. The New College, Kolhapur and sponsored by Shivaji University, Kolhapur.
 2. Actively participated in two days Third International Conference on Advances in Material Science (ICAMS- 2018) on 27-29, December, 2018 held at PG Department of Physics, Raje Ramrao Mahavidyalaya, Jath; Dist.- Sangli.
 3. Actively participated as a member of Organizing Committee of NSS, Shivaji University, Kolhapur for 'National Integration Camp' on 15-21 December, 2018 sponsored by Government of India, Ministry of Youth Affairs and Sports, organized by NSS regional Directorate, Pune at Shivaji University, Kolhapur.
 4. Actively participated in one day National Workshop on, "Contributions of Women Science and Opportunities for Women in Science" (ICWS-OWS-2019) on 15th February, 2019 sponsored by Indian National Science Academy (INSA), New Delhi held at PG Department of Physics, Raje Ramrao Mahavidyalaya, Jath; Dist.- Sangli.
 5. Actively participated in two days State Level Workshop for NSS PO's on, "Samarth Yuva Samarth Bharat" on 23-24, February, 2019 sponsored by NSS, Higher & Technical Department, Govt. of Maharashtra and organized by Savitribai Phule Pune University, Pune held at Shiv Chhatrapati Krida Peeth, Balegaon.
6. Actively participated in two day second conference on, "Integrative Approach in Environmental and Applied Sciences on 8-9, February, 2019 sponsored by Department of Environmental Science, Shivaji University and organized by PDVP College, Tasgaon held at Baha'I Academy, Panchgani.
- ✓ **Papers Presented in Conference:**
- Role of national service scheme in conservation of water and biodiversity: A case study of Raje Ramrao Mahavidyalaya, Jath by R.A. Lavate, V. S. Dhekale, B.M. Dahalke, K.K., Rangar, M.B. Sajjan, V.C. Mali, V.V. Khot, D.A. Kumbhar, G.D. Salunke and Patil A.A. in two day second conference on, "Integrative Approach in Environmental and Applied Sciences on 8-9, February, 2019 organized by PDVP College, Tasgaon held at Baha'I Academy, Panchgani.
- ✓ **Book Chapter Communicated:**
7. "Bryodiversity, Distribution, Threats and Conservation of Liverworts and Hornworts from Kolhapur District"- Lavate Rajendra A., to Bentham Science Publishers Pte. Ltd. Singapore.
- ✓ **CO-CURRICULAR ACTIVITIES:**
1. Worked as member of 'Flying Squad' of Shivaji University Examination from 28/05/2019 to 15/06/2019.
 2. Active participation in the development of college garden and cultivation and conservation of plants as a chairman of garden Committee R.R.College, Jath since 5/8/2010.
 3. Actively working as NSS Programme Officer.
 4. Actively participated as member of different college committees like Discipline committee, Vivek Vahini, Yoga & Meditation.
 5. Actively worked as co-ordinator of 'Yuva-

- Bhushan' Campain and Competition (2018-19) by 'Yuvak Biradari (India)' on 8/12/2018.
6. Critically examined and given expert opinion on Ph.D. synopsis entitled, "Ethnobotanical significance and phytochemical analysis of selected Quranic and Prphetic plants" submitted by Ms. Rasmi Chandra to Banasthali Vidyapith, Rajasthan. (Jan. 2018).
 7. Active participation in the organization of NSS residential camp from 2-8, Feb. 2019 at Kosari, Tal. Jath, Dist. Sangli with prime motto-'Swaccha Bharat-Swastha Bharat' and conducted various activities cleaning of schools, roads, temples and Tree Plantation.
 8. Active participation as Co-ordinator of one day training on 'Water Management' and 'Jaldut' by 'Paani Foundation' on 21st. January, 2019.
- ✓ **Extra -Curricular Activities:**
1. Delivered informative talk in one day

- workshop on "Revised Syllabus of B.Sc. I Botany (Practical) as per CBCS" on 20th August, 2018 held at Department of Botany, The New College, Kolhapur and sponsored by Shivaji University, Kolhapur.
2. Delivered speech on 'Water is Life' on 18 Jan. 2019 at NSS Camp of ACS College, U m a d i held at Balgaon, Tal. Jath, Dist.Sangli.
 3. Chaired the session on 'Samvidhanacha Jagar' by Dr. Bhimashankar Dahalke in NSS camp at Raje Ramrao Mahavidyalaya, Jath, Tal. Jath on 7th Feb., 2019.
 4. Delivered speech on "History and Environment" in the programme organized by History Department, R.R. College, Jath on 16/02/2019.
- ✓ **Awards :**
- Sangli District Level second "Best NSS Programme Officer Award (2017-18)" by NSS Department, Shivaji University, Kolhapur.



Mr. A. R. Herwade

1. Worked as subject expert in commerce for local selection committee at Miraj Mahavidyalaya, Miraj on 23/06/2018.
2. Presented the paper entitled "A Rural Women Entrepreneurship Culture-Problems And Prospects" in one day international conference on Society, Culture And Environment, Organized by Shikshan Maharshi Dr.Bapuji Salunkhe College, Miraj.
3. Participated in the one day workshop on "Choice Based Credit System "under the faculty of Commerce organized by Shivaji University, Kolhapur.
4. Worked as organising committee member of the third international conference On "Advances In Material Science[ICAMS] organised by post graduate department of physics, Raje Ramrao Mahavidyalaya, Jath on 27-29 Dec. 2018.
5. Participated in the one day workshop on preparation of bio-data, a lead college programme organised by Padmabhushan

Vasantrya Dada Patil Mahavidyalaya Kavathe mahankal on 9th Jan. 2019.

6. Participated in the UGC-HRDC Sponsored Refresher coarse in Disaster Management from 05th Feb. to 25th Feb. 2019 at Maulana Azad National Urdu University Hyderabad.
7. Participated in one day workshop on "Conduct of university examination on 25th march 2019 organised by internal Quality Assurance Cell (IQAC) Raje Ramrao Mahavidyalaya, Jath.
8. Presented a paper on " Impact of Goods And Service Tax (GST) On Common Man" in one day national conference on impact of GST on Indian economy organised on 1st April 2019 by Department of commerce D.P.Bhosale College Koregaon Dist.Satara.
9. Presented a paper on "Indian Agriculture Role And Cropping Pattern" in interdisciplinary International conference on issue and challenges of human life on 1st and 2nd April 2019. Organised by department of Economics D.P.Bhosale College, Koregaon.





राजे रामराव महाविद्यालयात प्रो. तोमो इसोगी यांच्या पुस्तकाचा शुभारंभ करण्यात आला. यावेळी उपस्थित मान्यवरांनी शुभेच्छांचा आस्वाद घेतला. डॉ. म. म. म. म. म.



राजे रामराव महाविद्यालयात प्रो. राहुल शर्मा यांच्या पुस्तकाचा शुभारंभ करण्यात आला. यावेळी उपस्थित मान्यवरांनी शुभेच्छांचा आस्वाद घेतला. डॉ. म. म. म. म. म.

