

Shri Jayendra Bhai Patel
G.B. Chairman

The newsletter is not just a collection of words and images; it is a reflection of the vibrant community that we are privileged to be a part of. As we continue to navigate through an ever-changing academic landscape, the spirit of collaboration, innovation, and excellence remains the cornerstone of our institution. As we look ahead to the future, let us continue to embrace the challenges and opportunities that lie before us with enthusiasm and determination. Together, we will continue to build a community that fosters learning, growth, and success. Let us continue to challenge ourselves, push beyond boundaries, and inspire one another to be the best versions of ourselves. As we move forward, let us face the future with optimism, courage, and a steadfast belief in the limitless possibilities before us. Together, we will continue to make a lasting impact, not only within our college, but also in the society and in the world beyond.

Patron:

Shri Jayendra Bhai Patel
[Chairman, GB]

Chief Editor:

Dr. R.C. Sanghvi [Principal]

Editorial Team:

Dr. Deepa Vanjani,
Prof. Sanjay Sharma

Shri Gujarati Samaj, Indore

PMB Gujarati Science College

Accredited with grade 'A' by N.A.A.C. in second cycle

PERIHELION

Quarterly Newsletter -
April-May-June 2024

Issue-42

Session-2024-25



Dr. R.C. Sanghvi, Principal

From the Principal's Desk

The last quarter of the academic session is the time when DAVV examinations are in full swing. It is also the time staff members have their summer break. But importantly it is also the time to introspect the months gone by so that the net academic session is welcomed with more preparedness. Students who will pass out will seek new paths by either pursuing a higher degree, or appearing for competitive exams. I wish them luck in all their endeavours. Acquiring skills to keep up with the rapidly changing

scenario, while at the same time being rooted in the Indian value system so that our traditions keep alive, is the way to move ahead.

I also take this opportunity to express my gratitude to all members of the Managing Committee of Shri Gujarati Samaj Indore, all the Trustees and office bearers, and our Chairman GB Shri Jayendra Bhai Patel for their constant support.

News at a Glance

- Dr. Nandini Phanse and Dr. K. Venkatraman co-authored a book titled - "Satyendra Nath Bose-Father of Bosons". The book published by Vijnana Bharati, is part of the curriculum for the National Talent examination, Vidyarthi Vigyan Manthan (VVM) Academic Session 2025-26. It was released at IIT-Kharagpur.
- Dr. K. Venkatraman was one of the writers involved in writing the Monograph on the "Contribution of India in Mathematics" for CBSE during April and May 2025.
- Dr. Sudip Ray has been appointed as the chairman, Board of Studies, Botany D.A.V.V. He was also appointed as Ph.D. examiner by Dr. BAM Marathwade University, Aurangabad and evaluated the Ph.D. thesis of Mr. Praveen Haribau.
- Dr. Ketan Topiwala was appointed as the Observer for theory and

practical examination for B. Pharma. at Parijat College of Pharmacy, Indore, on 02-04-2025, by RGPV, Bhopal.

- Ms. Divya Parnaik, Dept. of Microbiology, completed her Ph.D. course work from D.A.V.V, Indore by securing a second position, SGPA score of 8.11.
- Dr. Priti Vyas was invited for RDC (Research Degree Council) meeting for Ph.D. registration on 28th April 2025 at Life Sciences Department, DAVV.
- Prof. Brajesh Vijaypuriya has attended one-month refresher course at OTA officer's training academy, Kamptee, Nagpur, Maharashtra for fulfilment requirement to promote as captain.



Oyster Mushrooms Colonisation and Fruiting



Oyster Mushrooms Colonisation and Fruiting



Oyster Mushrooms Colonisation and Fruiting

English Department

The last quarter of the academic session was the time of examinations and summer break.

Prof. Kusum Joshi was engaged in examination duties in the D.A.V.V. exams. She also was a member of the admission committee of the college.

Dr. Deepa Vanjani published two research articles and a poem:

- *Dengendering the Gender Narrative in Manjula Padmanabhan's Suki and Unprincess* in the book 'Contextual Narratives: Critical Contemporary Indian English Literature', 2025, Malik and Sons, New Delhi, ISBN-978-93-92459-96-2.
- *Environmental Wisdom in Sri Ramcharitmanas and Its Contemporary Relevance* in the book 'Rethink Reinvent Reshape: Fostering Business Transformation and Innovation, 2025, IIP Iterative International Publishers, Karnataka, ISBN -978-93-7020-739-4.
- *Me Lost Togetherness*, poem published in book 'Mingled Voices 9- International Poetry Prize Anthology', Proverse Hong Kong, ISBN-13:978-988-8834-03-7.

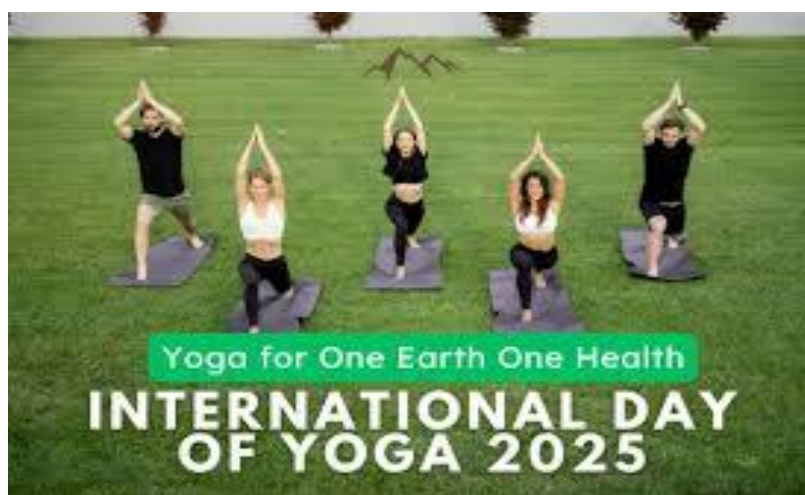
P.G. Department of Biotechnology

The Department successfully conducted a 21- days- **Summer Internship Program** on **"Production and Comparative Analysis of Serrapeptase from Various Sources"** from to 01/04/25 to 28/04/25. The program was held under the supervision of head of the department Dr. Priti Vyas and internal guidance to students was provided by Ms. Aditi Pawar. Five students of M.Sc. IV semester Biotechnology (1 student from Barkatullah University Bhopal and 4 students from the department) were enrolled in the program during which they gained hands-on experience in various aspects of enzyme Biotechnology. The internship focused on isolation and analysis of Serrapeptase from different sources, evaluating yield, purity and enzymatic activity and comparing results based on standard parameters.

Certificates were handed over by Dr. Priti Vyas. The internship program was very beneficial and helped the students in bridging the gap between theoretical knowledge and practical applications in the field of Biotechnology.

P.G. Department of Physics

- Dr. K. Venkataraman and Dr. Nandini Phanse authored the book "SatyendraNath Bose: Father of Bosons" (April 2026), published by Vijnana Bharati, ISBN:978-81-973615-6-2, released in IIT Kanpur
- Dr. K. Venkataraman-
 1. Delivered an expert session on the topic "Indian Knowledge System with Special Reference to Madhya Pradesh" at Holkar Science College, Indore (28th April, 2025)
 2. Was one of the conveners for conducting the National Camp Examination of Vidyathi Vigyan Manthan (VVM-2025) at IIT-Kanpur, from 24 to 25 May 2025.





P.G. Department of Botany

The Department of Botany organized two guest lectures:

1. Dr. Shweta Hardia, Prof. of Botany, Govt. College Rau, 5 April 2025 on the topic "Relevance of Indian Knowledge system (IKS) in Present Scenario."
2. Dr. K. Shivani, Prof. of Botany, Holkar Science College, on the topic "Conservation of Plant Resources". Both the lectures were informative and contributed significantly to the academic enrichment of the students.

M.Sc. Botany II semester students felicitated their seniors with a warm floral welcome and traditional tilak ceremony. The event featured a variety of engaging activities such as cultural performances and creative presentations making the occasion vibrant and memorable.

Dr. Madhavi Adhav has been appointed as a member of Board of Studies, Botany, D.A.V.V. for 3 years from the current academic session.

Dr. S. Ray has prepared the M.Sc. Botany curriculum module for MP Higher Education, contributing significantly to academic planning and course structure.

P.G. Department of Chemistry

Departmental Activities:

The department displayed an informative poster on "The Chemistry of Coloured Glass" in the Knowledge Gallery of our College in April-2025.

A walk-in-interview was conducted on 05-05-2025 for P.G. students by Paragon Company jointly by the Career Guidance Cell and Department of Chemistry.

Faculty Achievement/Participation in Academic Activities:

- Invited to attend the meeting of Board of Studies at Sadhu Vaswani Autonomous College, Bhopal on 09-04-2025 for restructuring the Chemistry syllabus.
- Invited to attend a meeting of Board of Studies at D.A.V.V., Indore, on 12-06-2025, for co structuring the PG Chemistry curriculum according to National Education Policy (NEP).

Dr. Dhananjay Dwivedi was invited to deliver expert lecture (theory and practical) to UG and PG students in the internship programme on Instrumental Techniques including HPLC, FT-IR, GC-MS, AAS, X-RD, UV-Visible, and Flame Photometry, organized by Department of Chemistry, Govt. Holkar Science College, Indore, from 21-04-2025 to 26-04-2025.

Research Work:

Dr. Dhananjay Dwivedi

- Published a paper on "Study of adsorption of heavy metal ions from waste water using various green adsorbents" in a National Conference souvenir, organized by Shri Vaishnav Institute of Management and Science, Indore, from 5 - 6 June 2025.
- Published a paper on "Assessment of Physical Properties of Soil in the South-Eastern zone of Barwani District Madhya Pradesh in *Naveen Shodh Sansar*, an International Refereed/Peer Review Multidisciplinary Research Journal, ISSN 2320-8767, E-ISSN 2394-3793, SJIF - 8.054, in April to June 2025 E-Journal, Volume I, Issue L(50).

Students' Achievement:

Ms. Gyani Jhade secured 1st position with 72.6% and Ms. Arti Devda secured 2nd position with 72.48% in M.Sc. Chemistry.

Ms. Tanuja Hirve secured 1st position in M. Sc. II Semester Chemistry, she got 65%



Expert Lecture



Expert Lecture



Farewell of M.Sc. Students



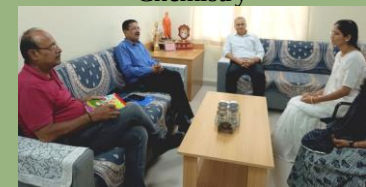
Dr. Ketan Topiwala attending BOS meeting at Bhopal



Dr. Dhananjay Dwivedi at Holkar Science College



Knowledge Gallery Dept of Chemistry



Walk-in Interview



कॉलेज चलो अभियान



हिंदी -विभाग

लोकमाता देवी अहिल्या के 300 जयंती से संबंधित आयोजनों में जनकल्याणी पर्व के अंतर्गत 26 से 31मई 2025 तक महाविद्यालय में कई कार्यक्रम आयोजित हुए अहिल्या माता के युद्ध कौशल, प्रशासन कौशल और न्याय से संबंधित समूह चर्चा विद्यार्थियों द्वारा की गई। डॉक्टर ज्योति सिंह ने "लोकमाता अहिल्यादेवी और उनके जीवन दर्शन पर व्याख्यान प्रस्तुत किया।

कॉलेज चलो अभियान के दूसरे और तीसरे चरण के अंतर्गत विद्यालय एवं महाविद्यालय में हेल्प डेस्क की स्थापना की गई। महाविद्यालय की संपर्क- समिति में डॉक्टर ज्योति सिंह सदस्य के रूप में सम्मिलित रहीं। के.बी. पटेल और आर.आर.एम.बी. विद्यालयों में इन्होंने टीम के साथ संपर्क किया। और कॉलेज चलो अभियान की कैपेनिंग की। ड्राप आउट विद्यार्थियों की काउंसलिंग करके उन्हें महाविद्यालय में प्रवेश हेतु प्रोत्साहित किया। किन्नर विमर्श पर आधारित पुस्तक "पूर्ण इदम्" ISBN:978-93-94493-97-1 में उनकी एक लघु कथा प्रकाशित हुई।

Department of Computer Science & IT

Result of B.Sc. 3rd year Computer Science was 94%.

SN	RNO	Name	AGPA
1	220076022	SUHANI YADAV	8.90
2	220076024	SNEHA DANGI	8.50
3	220070195	HRIDYANSH CHAUDHARY	8.30

Prof. Sanjay Sharma worked as Assistant Superintendent in DAVV Theory Exam. Department has presented live session of international Yog divas chaired by CM Shri Mohan Yadav. Prof. Brajesh Vijaypuriya has attended one-month refresher course at OTA officer's training academy, for fulfilment requirement to promote as captain.

N.S.S. (National Service Scheme)

To commemorate the 300th birth centenary of Devi Ahilya Bai Holkar, following activities were conducted by the college unit between April- May:

- On 04-04-2025 Ahilya Mata's 300th anniversary was celebrated by organizing a role play in which Ist year student Urmila Majhi dressed as Ahilya Mata. A painting of Ahilya Mata handmade by Surya Pratap Singh of B.Sc. II year was framed and displayed for floral tributes. Invited guest Dr. Vimal Sharma principal of Annie Besant College, Indore and in-house faculty Dr. K. Venkatraman delivered talks on the occasion highlighting the values of Mata Ahilya and her architectural know how. Students Abhay Mishra and Surya Pratap also delivered speeches. NSS program officer Dr. Deepa Vanjani conducted the program.
- Essay- writing and poetry- writing competitions on the topics-
 1. Punyashloka Devi Ahilya Bai Holkar ka yogdaan
 2. Devi Ahilya Bai Holkar ek anukarniya vyaktitva

Winners of Essay- writing:

1. Abhay Mishra, B.Sc. II year
2. Anubhuti Mishra, B.Sc. III year
3. Harshita, B.Sc. I year

Winners of Poetry-writing:

1. Shubham Purohit, M.Sc. Final
2. Suhani Yadav, B.Sc. III year
3. Surya Pratap Singh, B.Sc. II year

- Special edition of college newsletter Perihelion dedicated to Ahilya Mata-

A special edition dedicated to the various facets of Devi Ahilya Bai Holkar was released in the college by Principal Dr. R.C. Sanghvi. On the occasion speeches were also delivered by Dr. Jyoti Singh, Dr. Deepa Vanjani, and students made posters related to the life of Ahilya Mata. The newsletter has articles and poems written by NSS volunteers, students and faculty. There is a hand-made painting made by II year student Surya Pratap Singh included in the newsletter.

- On 14-15 April 2025 the anniversary of Dr. Bhim Rao Ambedkar was marked by organizing an online quiz on Dr. Ambedkar with downloadable certificates. An Essay writing competition on Life and Achievements of Baba Saheb/ Ideals of Dr. Ambedkar was also organized.

- Poshan Saptah was marked by organizing a poster making activity on 9 April 2025. Posters on nutrition, healthy food and other habits were made by students and presented by them.



डॉक्टर ज्योति सिंह लोकमाता के जीवन-दर्शन पर व्याख्यान देते हुए।



Dr. Phanse & Dr. Venkatraman during the release of the book "Satyendra Nath Bose- Father of Bosons" published by Vijnana Bharati



Dr. Vimal Sharma motivated students with his stories from the life of Mata Ahilya



Release of special issue of Perihelion dedicated to Ahilya Mata



Urmila Majhi, BSc Ist year, performed the role of Ahilya Mata



Dr. Phanse & Dr. Venkatraman during the release of the book "Satyendra Nath Bose- Father of Bosons" published by Vijnana Bharati

P.G. Department of Microbiology

Dr. Nandini Phanse co-authored a book titled - "Satyendra Nath Bose- Father of Bosons". The book published by Vijnana Bharati, is part of the curriculum for the National Talent examination, Vidyarthi Vigyan Manthan (VVM) Academic Session 2025-26.

The book was released during the inaugural session of VVM national camp at IIT-Kanpur, on 23 May 2025, by esteemed dignitaries: Prof. Ashutosh Sharma, President Indian National Science Academy, ex- Secretary DST Govt of India; Dr. Shekhar C. Mande, ex- DG CSIR, Govt. of India; Prof. Manindra Agarwal, Director IIT Kanpur; Prof. Ram kumar, Dean, IIT - Kanpur.

It will be translated in 13 languages.

VVM, an initiative of Vigyan Bharati (VIBHA), is a national programme for popularizing science among school students, in collaboration with National Council of Educational Research and Training (NCERT) and National Council of Science Museums (NCSM).

Dr. Mahima Golani participated in the International webinar on "Garlic Hidden Essence: The role of sulphur volatiles", organized by School of Sciences, Sanjivani University, Kopergaon on 20 May 2025. Dr. Golani also became Co-supervisor of Ms. Nidhi Kibe registered for Ph.D in Life Sciences at D.A.V.V, Indore.

Mrs. Shraddha Dehure registered for Ph.D under guidance of Dr. Nandini Phanse as supervisor on the topic entitled "Isolation of Zinc solubilising microorganisms from rhizospheric region and their application in formulation of liquid biofertilizer", at D.A.V.V, Indore.

Result of M.Sc. (Microbiology) IV semester exam

Ist position: Shivanshi Purohit: 76.47%

IInd position: Niharika Sharma 76.19%

IIIrd position: Rahul Porwal 73.95%

Result of M.Sc. (Microbiology) II semester exam

Ist position: Ark Raj Manan: 74.2%

IInd position: Ankita Sisodiya 72.8%

IIIrd position Prarthana Patel 71.8%

यदा संहरते चायं कूर्मोऽङ्गानीव
सर्वशः |

इन्द्रियाणीन्द्रियार्थेभ्यस्तस्य

प्रज्ञा प्रतिष्ठिता || 58 ||

BG 2.58: One who is able to withdraw the senses from their objects, just as a tortoise withdraws its limbs into its shell, is established in divine wisdom.

Let eyes grow dim and
heart grow faint,
And friendship fail and
love betray,
Let Fate its hundred
horrors send,
And clotted darkness
block the way.

All nature wear one
angry frown,
To crush you out - still
know, my soul,
You are Divine. March
on and on,
Nor right nor left but to
the goal.

Ramkrishna

