



Shri Deepak Bhai Soni  
Chairman G.B.

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Go confidently in the direction  
of your dreams. Live the life  
you have imagined.  
Henry David Thoreau

Shri Gujarati Samaj, Indore

# PMB Gujarati Science College

Accredited with grade 'A' by N.A.A.C.

## PERIHELION



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### *From the Desk of Principal*

In the last quarter of the year there are festival celebrations and examinations. After the festivities of Diwali, students and teachers geared up for completion of their respective syllabi. November onwards, the college got into examination mode, with practical exams of various semesters, followed by theory exams which continued for the whole of December. Conducting exams smoothly is a huge responsibility and the college ensures that this responsibility is carried out in the best possible manner. Faculty members continued to be involved in various

academic activities in and outside the college. Departmental and college activities also went on hand in hand in full swing. It was also time to plan for the forthcoming semesters in the New Year. I extend my good wishes to all for the New Year so that we move into it with a fresh resolve to fulfil our responsibilities with full vigour. It is important to remember that we have to keep our standards. As someone has said, "Push harder than yesterday if you want a different tomorrow."

Prof. R. B. Patel

### *News at a Glance*

Dr. P.A. Kekre & Dr. K. Venkataraman were appointed Members of Board of Studies (Physics), Kasturbagam Rural Institute, Indore.

CTO Manish Joshi, Airwing NCC unit has successfully completed his ANO course of 3 months duration at Air Force Station, Tambram. He was awarded with Flying Officer rank from DGNCC, New Delhi.

Dr. K. Venkataraman was appointed as jury member in the National Level Science Exhibition "Anveshan" organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya from 25-26 November 2016.

Dr. Ashish Dubey's exhibition of photographs "Limitless Dimension" was held at Lodhi Hotel, New Delhi from 12-30 December 2016. The exhibition was organized by Appa Rao Gallery.

Dr. J. Sikka and Ms. Charulata Shah (2016) published a research paper entitled "Microbial Study of Grey water Treatment System at Tarana, Ujjain District (M.P.)". J. "International journal of Advance Research in Science

Humanities and Engineering" 1(3): 1-7. ISSN: 2455-9865.

Dr. Ketan Topiwala has been appointed as Chairman of selection committee for the University Pistol Shooting (Men's & Women's) team

Dr. Rishina Natsu was awarded Ph.D. degree in the convocation ceremony organised by D.A.V.V., Indore

Dr. Deepa Vanjani was invited as speaker at Indie Publishing Workshop organised by Voice Verso on 4/12/2016.

Dr. Madhavi Adhav and Ms. Shilpi Patel published a research paper entitled "Comparative ultra violet spectroscopy of ethanolic flower extracts of morphotype of *Hibiscus rosasinensis* Linn". European journal of Biotechnology and Biosciences 2016, 4(10): 6-10.

Dr. Raksha Modi presented a guest lecture on 'Biodiversity and Anti-Poaching' on 6 October 2016 at Kamala Nehru Zoological Park on the occasion of 'Wild Life Week'.

## Computer Science and Information Technology Department

Prof. Anjali Ray attended a workshop at Patel College on 8/10/2016. The subject was "How to Write a Research Paper" by Prof. Aruna Tiwari (IIT, Indore). The result of B.Sc. 2<sup>nd</sup> semester (CS) was 48.84% and B.Sc. 2<sup>nd</sup> semester

(IT) was 16.66%. The result of B.Sc. 4<sup>th</sup> semester (CS) were 96.87% and B.Sc. 4<sup>th</sup> semester (IT) were 82.35%. Prof. Anjali Ray attended a guest lecture on "M.Tech. Dissertation-4" by Dr. Sanjeev Tokekar (Director -IET DAVV Indore) on 10/12/2016 at Patel College.

## Microbiology Department

The department of Microbiology organized a two day workshop on "Techniques in Molecular Biology"-**Bio Insight**, on 4 and 5 October 2016. The workshop was sponsored by Shri Gujarati Samaj, Indore and Hi Media Laboratories Pvt. Ltd., Mumbai. The workshop was inaugurated by Principal, Prof. R.B. Patel. Ms. Dhanashree Sampat, Product Specialist, Hi Media Laboratories Pvt. Ltd. demonstrated various molecular biology techniques to about sixty participants including faculty members, research scholars, and M.Sc. students of Biological sciences. Dr. Nandini Phanse was the convenor of the workshop.

Like every year, Department observed the Joy of Giving Week which is observed from 2 to 8 October every year. Departmental faculty, along with supporting staff, visited Arman & Shraddhanand orphanages to donate clothes to the children. As part of the visit, students and faculty members informed children about

importance of hand washing in preventing spread of diseases through role play and videos. Soaps were distributed to children of orphanage to facilitate a sense of cleanliness.

The department organized an Antibiotic Resistance Awareness programme on 17 November 2016 to promote judicious use of antibiotics and create awareness regarding antibiotic resistance. The programme was organised under the aegis of World Antibiotics Awareness Week, a WHO initiative, observed between 14-20 November 2016. The event was arranged under the banner of Microbiologists Society, India student unit activity. Dr. Vikrant Chitnis, Chief Microbiologist, CHL Hospital, Indore spoke on "Antibiotics: Handle with care. Prevent Antibiotic Resistance". Students and faculty members took the pledge to help fight the misuse of antibiotics and prevent emergence of antibiotic resistance. Principal, Prof. R.B. Patel welcomed the chief guest. Dr. Nandini Phanse was the programme convener.

## Botany Department

B.Sc. I semester students visited Carl Linnaeus Museum [B.Sc.] and Dr. P. Maheshwari Lab [M.Sc.] from 4 - 7 October 2016. The Ph.D. open viva of Ms. Reena Sharma was held on 6/10/2016 under the supervision of Dr. J. Sikka. Another open Ph.D. viva of Mr. Jeetendra Singh Sainkhediya was held on 21/11/ 2016. His supervisor is Dr. S. Ray. Pre Submission presentation for Ph.D thesis of Ms. Charulata Shah, was held on 25/11/2016. Her supervisor is Dr. J. Sikka. The department organized a parent teacher meeting for M.Sc. students. Dr. S. Shrivastava was incharge of this activity. M.Sc. students of the department participated in the activity of Knowledge Gallery in December. Dr. Manjeet Kaur Arora and Ms. Charulata Shah were in-charge of this activity. Research papers published: Dr. J. Sikka and Ms. Charulata Shah published 2 research papers in *The*

*Journal of Pollution Research* and another in the proceedings of the National Conference on Recent Advances in Science, Technology and Health Care", organized by Department of Microbiology Career College, Bhopal, sponsored by M.P. Council of Science & Technology. Dr. J. Sikka and Ms. Charulata Shah presented a research paper, while Ms. Preeti Parashar presented a paper entitled in national seminar on Global Climate Change: Challenge before Human Beings, organized by Department of Physics S.B.N. Govt. P.G. College, Barwani, 11-12 November, 2016. Dr. Madhavi Adhav and Ms. Shilpi Patel published a research paper in *The Pharma Innovative Journal* 2016, 5(10): 49-55. Ms. Preeti Parashar and Dr. C.M. Solanki published a research paper in *International Journal of Science and Research*, October 2016, 5(10). Dr. Arora published a research paper in *Life Science International Research Journal*, Thailand.



*Antibiotic Resistance Awareness*



*Molecular Biology Workshop*



*Botany: Museum Visit*



*Sports: Heeramani Parmar in Women's Volleyball Team in Udaipur*



*Sports: College Kabaddi Team at MRSC, Indore*



*AIDS awareness program*



*AIDS awareness program*



*Ph.D. viva Ms. Smita Suhane*

## Languages Department

R Dr. Jyoti Singh and Dr. Trishna Shukla have published their respective research papers in the journal named 'Nutan Vimarsh', a Multi Faculty Research Journal (ISSN No: 2395-6445) on 30 September 2016.

The topic of Dr. Jyoti Singh's paper is 'Jaiv Vividhata Sanrakshan; Chetna our Chintan; Bhjartiya Dharmik evam Pauranik Sandarbh Mein.' Dr. Trishna Shukla's paper is titled "Jal Sanrakshan; Pani Ghano Anmole".

Dr. Deepa Vanjani was invited as the Moderator of English papers at Shri Vaishnav Vidyapeeth University on 10 November 2016. In this academic session Ms. Kusum Joshi is working as

member of Magazine Committee, Knowledge Gallery and Press Committee of the college. She is in charge of Ladies Room of Central Building of the college. Dr Jyoti Singh is convener of Press Committee.

On 30 November 2016, the department arranged the farewell of Mrs. Madhu Toipwala, who retired from the college after serving for thirty-four years.

Dr. Deepa Vanjani was invited as the judge in the Poetry Recitation competition organized at Advanced Academy School, Indore on 25 October 2016. The theme of the competition was 'Festivity'.

## Biotechnology Department

The Department observed World AIDS Day on 1st December 2016 in collaboration with NSS organized the event under IFMSA (International Federation of medical student Association) and MSA India (Medical Student Association India). The purpose was to increase social awareness for AIDS pandemic which is caused by HIV infection. The lamp-lightening ceremony was performed by the chief speaker, Dr. Akbar Nawaaz, Dr. Savita Shukla and Dr. Priti Vyas which was followed by floral welcome. A brief introduction of the MSA team members was given by Ms. Kwiti Thakkar. Apart from a short quiz conducted by Ms. Laxmi Shreya

(IFMSA), there were short presentations of about 10 minutes each, by the team members which focusing on topics like differences between HIV & AIDS, social stigma, awareness, treatment etc. The programme concluded with a slogan competition based on 'AIDS Awareness' conducted by the team members of MSA. Judges of the competition were Dr. Shobha Chaturvedi (Dept of Zoology) and Ms. Mahima Golani (Dept of Microbiology). Ms. Kirtimala Shelgaokar (M.Sc. Prev. Zoology) got the first prize & Ms. Bhawana Raghuwanshi (M.Sc. Final Zoology) got the second prize. The program concluded with a valedictory speech delivered by Ms. Poonam Vijaypuria.

## Chemistry Department

The Ph.D. viva-voce of Ms. Smita Suhane, candidate of Dr. Kumud Modi was held on 7 October 2016. Three faculty members Dr. Vandana Sharma Choubey, Ms. Rachana Dwivedi and Ms. Purvansha Maharishi joined the department in October 2016. Dr. Dhananjay Dwivedi delivered a lecture

on Career in Chemical Sciences in Indore Indira College on 1 October 2016 and on Stereochemistry in Jain Diwakar College, Indore on 10 November 2016. Dr. Rishina Natu was invited as judge in the debate competition organized by Dada Nirbhay Singh Patel Smriti Manch.

## Physics Department

Dr. P.A. Kekre was the Moderator of Physics papers at Shri Vaishnav Vidyapeeth University on 10/11/2016. Dr. Sanjay Shah and Shri Dron Mishra were judges in Science exhibition organized by R.R.M.B.

Gujarati Higher Secondary School on 8th December 2016. The department conducted the Bharatiya Gyan Sanskriti examination. Dr. Sanjay Shah was the exam coordinator.





*Documentary Presentation Competition*



*Expert Lecture by  
Dr. Vipulkeerti Sharma*



*Dr. Vimal Sharma with  
D.A.V.V. Youth Festival Team*

**Patron:**  
Shri Deepak Bhai Soni  
[Chairman]

**Chief Editor:**  
Prof. R.B. Patel  
[Principal]

**Convener:**  
Dr. Pravin A. Kekre

**Editorial Team:**  
Prof. Mayur A.Mota  
Dr. Deepa Vanjani  
Prof. Sanjay Sharma  
Prof. Mona Bhatnagar

## Zoology Department

On 17 November 2016 the Zoology Quiz Competition was organized & conducted by Dr. Rajesh Dixit, Dr. Raksha Modi and Dr. Shobha Chaturvedi for P.G. students of Zoology (M.Sc. I & III Sem.). The winner team comprised of Tajamul Bhat (III Sem.), Umesh Dubey (III Sem.) & Vishuraj Rathore (I Sem.) On 10 December 2016 a Documentary Presentation Competition on Animal Behaviour was organized & conducted by: Dr. Chetna Savita & Dr.

Vibha Dave for P.G. students of the department. Sonia Yadav (I Sem.) and Bhavana Raghuwanshi (III Sem.) won the I and II prizes respectively. A Parents-Teachers-Meet was organised on 17-12-2016 for P.G. students. On 17/11/2016, Dr. Vipulkeerti Sharma, Holkar Science College, Indore delivered a lecture on 'Balanced Soft Skills - 'Link and Scope of Applied Zoology' and on 23/11/2016 Dr. C.S. Shrivastava from Holkar Science College, Indore spoke on 'Link & Scope of Applied Zoology'.

## Electronics Department

Dr. Vimal Sharma was the team manager of the DAVV Youth Festival team. In the Zonal Round at Raipur, the team secured second position out of

more than forty participating Universities from six states. Dr. Vimal Sharma assumed charge as the Head of the Electronics Department.

## NSS Unit

Pragati Borasi of B.Sc. III Year was selected and attended the NSS National

Camp at Manali from 13 November - 25 November 2016. 85 students from three states attended the camp.

## Sports Department

Heeramani Parmar of B.Sc. III sem. brought laurels for the college by being selected in Devi Ahilya University Volleyball (W) team 2016-17. She also participated in All India Inter-University Volleyball (W) Competition held at

Mohanlal Sukhadiya University, Udaipur. Our college Kabaddi (Men's) team played quarter finals in the Inter College Kabaddi Competition organized by Maharaja Ranjit Singh College, Indore.

## Student Achievement

The college fraternity congratulates M.Sc. Botany student Mudasir Mir for securing 1st position in the merit list of

DAVV in 2014. He has been awarded R.C Jall gold medal.

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To,

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*Indore.*

