



Shri Deepak Bhai Soni  
Chairman, G.B.

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Floral welcome of  
VC Dr. N.K. Dhakad



Renuka Sharma  
[Student Achiever]

**KIND WORDS CAN BE SHORT  
AND EASY TO SPEAK, BUT THEIR  
ECHOES ARE TRULY ENDLESS.  
- MOTHER TERESA**

Shri Gujarati Samaj, Indore

# PMB Gujarati Science College

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

## PERIHELION



Quarterly Newsletter -  
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### From the Desk of Principal

As the curtain is drawn on the academic session, it is time to retrospect, pause and take a look at our achievements, while also contemplating on those areas that need to be strengthened further. It is important to go into the new academic session with a renewed vigour and a determination to excel and outperform ourselves. This outgoing session has been one of achievements for our staff members as well as our students. We acknowledged the students' achievements in various

spheres, from academics to co-curricular. Our students have also carved a niche for themselves in nation-building activities such as N.C.C. and N.S.S., and are equally enthusiastic and spectacular in the arena of sports. I extend my good wishes to everyone for the forthcoming session so that we move ahead balancing dedication with consistency towards the attainment of our vision.

Dr. Kumud Modi

### News at a Glance

➤ Dr. N.K. Dhakad, newly appointed Vice-Chancellor of DAVV, Indore was accorded a warm floral welcome by Principal, Dr. Kumud Modi, Head, Department of Zoology, Dr. G.D.Sharma along with the teaching staff on 25 May 2016.

Kowloon on 20/04/2016.

➤ Dr. P.K. Dubey was appointed as Member, Board of Studies in Physics of Autonomous Govt. Holkar Science College, Indore.

➤ Dr. Raksha Modi and Dr. Chetna Savita were selected as Assistant Professor under College Code 28 on 26/08/2015.

➤ Dr. K. Venkataraman, Head, Department of Electronics was invited as resource person for the national workshop on Experimental Physics for Teachers organized by HBCSE, TIFR Mumbai held from 6 -8 May 2016.

➤ Dr. Deepa Vanjani's collection of poems titled 'Shifting Sands' was published by Proverse, Hong Kong and released at Helena May, Hong Kong on 19 /04/ 2016. She was interviewed in a live show 'Morning Brew' at Radio and Television Hong Kong (R.T.H.K.),

### Student's Achievements

• Renuka Sharma has been selected in the Indian Air Force as a Pilot. She has joined Indian Air Force Academy, Hyderabad for training.

• Ankit Verma of B.Sc. II Semester (Biology) secured II position at district level in the Bhartiya Sanskriti Gyan Pariksha, conducted by Gayatri Parivar 21/11/2015 under the charge of Language Department.

## Computer Science and Information Technology Department

**Online Exam** of Professional Education Board (PEB) was conducted in the department in June 2016. The results of B.Sc. (Information Technology) semester I were 94.73%,

and B.Sc. (Computer Science) semester I was 82.15 %. Results of III semester Information Technology were 100% and B.Sc. III semester Computer Science were 81.4%.

## Microbiology Department

Dr. Nandini Phanse published a research paper in British Microbiology Research Journal 15(2): 1-14. (ISSN: 2231-0886, SCIENCE DOMAIN International). As a part of Interclass Competition for post graduate students, the department organised a Science Quiz Contest, "IGNITE," on 13/04/2016. Post graduate students of Chemistry, Mathematics, Physics and Microbiology departments participated in the contest. Winner of the quiz contest was the Microbiology team (Md. Waqas Kamil, Aarti Nirmal and Apurva Vyas) while the runner up was the

Mathematics team (Pankaj Shrivastava, Shubham Patel and Avinash Tiwari). Ms. Devshri Joshi was the Event Coordinator. Quiz Masters were Ms. Kiran Paliwal, Ms. Devshri Joshi, Ms. Mona Bhatnagar and Ms. Shivalika Khode. Ms. Smriti Chouhan and students of M.Sc. Microbiology, Bhairavi Parmar and Sonam Rajoriya, were scorers. Certificates were distributed to all participants. The winners and runners up of the contest received prizes. Ms. Mona Bhatnagar was designated as a member of admission committee for the forthcoming session on 23/05/ 2016. She also conducted the annual prize distribution ceremony 2016 on 10/06/2016.

## Botany Department

**Ph.D. Viva Voce** (3/05/ 2016): Ph.D. Open Viva of Ms. Vidya Dubey was held in the department. Dr. D.M. Kumawat, Prof. & Head, School of Environmental Management, Vikram University, Ujjain, was external examiner for the viva. The title of the thesis is "Ecophysiological studies on few threatened medicinal plants of Indore district with special reference to their floral biology," guided by Dr. Kishore Pawar, Prof. and Head, Department of Seed Technology, Holkar Science College, Indore.

Dr. J. Sikka was invited as a judge for drawing and painting competition organized by Pollution Control Board and Lions Club, Indore on 5/06/ 2016, World Environment Day at Hotel Radisson, Indore. Dr. S. Ray attended a meeting of Board of Studies in Botany under faculty of Life Science, DAVV on 4/5/2016. Dr. S. Ray and Jitendra Saikhediya published a research paper entitled "Wild edible plant resources of Harda district, M.P.," in Journal of Biological, Pharmaceutical and Chemical Research, 2016 (1) : 3(1), 1-3 CODEN (USA): JBPCBK, ISSN-2394: 3076. Dr. Madhavi Adhav published a research paper entitled "Antimicrobial activity of *Acalypha indica* L; A medicinally important plant," in the Pharma Innovation Journal, 2016; 5(5): 104-106. Dr. Madhavi Adhav published a research paper titled "Comparative Phytochemical Screening of ethanolic extracts (Flower and Leaf) of morphotypes of *Hibiscus rosasinensis* Linn.," in the Journal of Pharmacognasy and Phytochemistry, 2016, 5(3): 93-95. Ms. Priya Trivedi, published a research paper titled "Preliminary Phytochemical Screening of tree bark of *Acacia nilotica* (L) Dellile," in International, Journal of Physical and Chemical Sciences, March, 2016, Vol. (1), ISSN :2350-0549.

## Prize Distribution Ceremony

The Prize Distribution ceremony of the college was organised on 10<sup>th</sup> June 2016. The chief guest on the occasion was Shri Abhinav Bhai Dave, Chief Manager, SBI Foundation Institute, Chetna and former cricket player. Shri Amit Bhai Dave, Honourable Joint Accountant of Shri Gujarati Samaj, Indore presided over the ceremony and the Special guest was Shri Virendra Bhai Patel, Member, Board of Trustees. Also present on the occasion were Sports Convener Shri Suresh Bhai Patel, Chairman, PMB Gujarati Science College Shri Deepak Bhai Soni, Shri Pankaj Bhai Shah, Member, Board of Trustees. Principal Dr. Kumud Modi welcomed the guests. Heads of departments, faculty and students attended the programme. Shri Amit Bhai Dave motivated students to strike a balance between academics and other activities in his speech. The chief guest in his address congratulated the winners in various categories such as cultural activities, academics, NCC, NSS, NCC Airwing, and Sports. The programme was conducted by Ms. Mona Bhatnagar, Microbiology Department and vote of thanks given was proposed by Dr. Chetna Savita, Zoology Department.



Lecture series: Lamp lighting  
by Dr. P. K. Dubey



IGNITE  
Inter Departmental Quiz Contest



Botany Department:  
Ph.D. Viva of Mrs. Vidya Dubey



Annual Prize Distribution 2015-16





## Languages Department



*Dr. Deepa Vanjani's Book Release at Hong Kong*



*Admission Committee at work*



*Lecture Delivered by Dr. Smita Joshi*



*International Yoga Day Celebration*

Dr Deepa Vanjani's research paper on 'Unravelling the Matrix of Mahesh Dattani's Seven Steps Around the Fire' has been published in the anthology titled "Revisiting Mahesh Dattani", published by Atlantic Publishers and Distributors, New Delhi (ISBN: ).

Another paper on 'Intertextuality in Adaptations of Texts into Films and Challenges Involved' has been published in the seminar proceedings of national seminar organised by Pimpri College of Arts, Pune.

On 8/05/2016, Dr Jyoti Singh was honoured with the 'Nari Gaurav Samaan' by JMD Publishers at Bhopal. She presented a paper in the

International Conference on 'Lok Sanskriti aur Sahitya' at Ujjain. Her poem in the book 'Simhansta@com' has been published.

Dr Singh presented a paper in the national seminar on 20-21 April 2016 at New GDC, Indore on 'Shri Naresh Mehta Ke Upanyas Sahitya mei Sanskritik Samrasta', which has also been published in the seminar proceedings. She attended a one-day workshop on making UGC Project Proposals at Matushri B.Ed. College, Indore on 27/04/2016. JMD Publishers has included Dr Singh in their editorial board. Ms. Kusum Joshi is member of admission committee of the college.

## Biotechnology Department

To focus on preparation of students for various competitive exams, special classes were conducted by faculty members of the department providing them guidance about exams in the field of Biotechnology like JNU, IISc, IIT etc. to give them a view of future opportunities.

Results of the campus recruitment drive, which was conducted by Duke

Thomsons in February this year for final year students of our department, were heartening. Five students got selected after the final interview round namely:

Nirva Makhecha, Shivangi Sharma and Raveena Patel for the post of Technical Support Executive. Aman Sahu and Nikunj Khatediya were selected for the post of Business Development Executive.

## Chemistry Department

Farewell of Shri Kailash Choudhary (Lab. attendant) was held on 31/03/2016 in the Department. He served in the college for nearly 37 years.

Pre- Ph.D. Viva of Ms. Mayuri Thanwar was held on 21/06/2016. Her guide is Dr. A.K. Gharia, Department of Chemistry.

- Dr. Smita Joshi of Geetanjali College, Bhopal, delivered a lecture under IQAC to M. Sc. Final Year Chemistry students on 18/06/2016 on careers in pharmaceutical field. Aakanksha Soni & Mahima Sharma of B.Sc. II semester participated in Inter-College Chemistry Quiz-competition on 21/04/2016, organized by M.B. Khalsa College Indore.

## Electronics Department

Dr. K. Venkataraman, Head, delivered an invited talk in summer camp for Experimental Physics (SCEP) held between 9 - 20<sup>th</sup> May 2016 in HBCSE, TIFR.

Prof. Deepali Pathak, Medicaps University delivered a lecture on "Skill Development" in the Electronics Lab on 3/06/2016.

Students of Electronics visited Bird Sanctuary Sirpur Lake to spread awareness environmental related issues on 5/06/2016.

## International Yoga Day

On 21 June 2016 International Yoga Day was celebrated in a programme organised in the college. GB chairman of the college Shri Deepak Bhai Soni and Chairman, Gujarati Commerce College Shri Bharat Bhai Shah, apart from Principal of the college, Dr Kumud Modi, Principals of PMB Gujarati Commerce College and PMB Gujarati Arts and Law College, Dr Rajendra Jain and Dr Shashi Bhandari respectively were present on the occasion. Heads of all departments, staff members and students also participated in the activity. After recitation of Madhya Pradesh song and Shanti Path various asanas were demonstrated by Shri Shakti Singh Sendhav and Shri Ramgopal Dangi. Dr Abhay Jain conducted the programme, while Ms. Kusum Joshi from Language Department proposed the vote of thanks.

## Zoology Department



Training for B.Ed. student's in  
Zoology Department

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

**Chief Editor:**  
Dr. Kumud Modi  
[Principal]

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

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

**Ph.D. Viva** of Ms. Shiva Bansal who worked under the guidance of Dr. G.D. Sharma was conducted on 05-05-2016. Dr. Vibha Dave Joshi attended one - day National Workshop on Research proposal for UGC Project on 24/04/2016 organised by Matushri Ahilya Devi Teacher's Education Institute, Indore. Research Papers published:

1. 'Seasonal fluctuation in soil-mud analysis of Kishanpura lake, Indore (M.P.): Dr. Vibha Dave Joshi, Dr. Chetna Savita & Dr. Shobha Chaturvedi, International Journal of Research in Science (IJRS), Vol.:3, Issue:2Jly.-Dec. 2015 PP:5-10 ISSN: 2394-4404

2. 'Biochemical changes in ascorbate and peroxidase activity in the uterus during pregnancy in rabbit: Dr. Shobha Chaturvedi, Dr. Vibha Dave Joshi & Dr. Chetna Savita International Journal of Scientific Research & Engineering Studies ( IJSRES) ,Vol. : 3 Issue : 5 May 2016 PP:19-21 ISSN: 2349-8862

3. 'Quantitative percentage composition of macroinvertebrates of krishanpura lake indore': Dr. Vibha Dave Joshi, Dr. Chetna Savita & Dr. Shobha Chaturvedi International Journal of Innovative Research & Advanced Studies (IJIRAS) Vol.: 3 Issue: 5 May 2016.

4. 'Effect of rubella infection during pregnancy in married women': Dr. Chetna Savita, International Journal of Current Research (IJCR) Vol. : 8 May, 2016, Issue:05, ISSN : 0975 833X.

5. Articles Published By: Dr. Rajesh Dixit in ' Krashi Vardaan ' in May & June 2016 ' Machali Ka Bhojan jalplavak ' and Machali ke RogTatha unki roktham '

From 8-10 June 2016 a training program was organised for the B.Ed. students of Shri Gujarati B.Ed. College, Indore for conducting some experimental work (Slide Preparation, Museum Keeping & Identification of animals) under the guidance of Dr. Vibha Dave, Dr. Shobha Chaturvedi and Dr. Raksha Modi. Dr. Rajesh Dixit participated in a conference at Agriculture University, Raipur and presented a project on Sericulture Project in the presence of Selection Committee of Central & State Government, Chhattisgarh, 11-15 June 2016.

## Physics Department

**Dr. P.A. Kekre** and **Dr. S. Shah** presented their research papers in National Conference on Recent Advances in Basic Science II at Christian Eminent College Indore from 17-18 June 2016. Dr. P.K. Dubey also attended this conference. Dr. P.K. Dubey was invited for following talks:

At Govt. College, Nagda on 'Role of Nano Science in our daily life'.  
At Netaji Subhash Chandra Bose

Government P.G. College, Biora (Rajgarh) on 'Recent Development in Nano Science'. Dr. P.K. Dubey demonstrated the fundamental principles of Physics being simple mechanical devices in Regional Workshop at Shahid Bhima Naik Govt. P.G. College Barwani. He had given live demonstration of Homopolar machine, Eddy current, Centrifugal force and total internal reflection. The workshop was sponsored by IAPT-RC9.

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To,

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