



G.B. Chairman  
Shri Atul Bhai Somaiya

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SAVE PAPER



SAVE

Shri Gujarati Samaj, Indore

# PMB Gujarati Science College

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

## PERIHELION

Quarterly Newsletter -  
April-May-June 2018-  
Issue-19-  
Year-5-



### From the Principal's Desk

This is the last issue of the current academic session of the quarter April-June. This is the phase of university exams of various semesters. It is also that time when fresh admissions begin for the forthcoming academic session. These are serious responsibilities and the staff allocated with these, work with dedication to fulfill them. Planning for the next session has also to be initiated by all departments so that there is efficient output of work in every sphere of activity. In retrospect, I want to extend good wishes to all staff members for carrying out their duties. I

also expect that in future we will continue to work towards academic excellence of our students, quality research work, over all development of the college and of Shri Gujarati Samaj, Indore. *Perihelion* showcases the departmental activities, as well as achievements of staff and students and I am glad to see the kind of work all departments are putting in. I am hopeful we will continue to do our best in every domain. Not only this we must pay lot of attention towards sensitizing our students and strengthening their personalities. **Quality always scores.**

### News at a Glance

Dr. Nandini Phanse deposited three cultures of industrially important micro-organisms at National Centre of Microbial Resources (NCMR) Pune and acquired their accession numbers, viz. MCC 3671, MCC 3672 and MCC 3661.

Dr. K. Venkataraman worked with Homi Bhabha Centre for Science Education (HBCSE) team as Resource Person in the training workshop on Experimental Physics held at HBCSE, TIFR, Mumbai, from 7-16 June, 2018.

डॉ. ज्योति सिंह ने विश्व हिन्दी रचनाकार मंच द्वारा संचालित 'राष्ट्रभाषा हिन्दी-प्रचार-प्रसार योजना के अन्तर्गत प्रकाशित 'हिन्दी-सागर' वर्ष 2 अंक में विशेष-सम्पादक की भूमिका निभाई। एवं 'नारी काव्य सागर' में कार्यकारी सम्पादक की भूमिका निभाई इस उपलक्ष्य में मंच द्वारा 27 मई को भोपाल में सम्मानित भी किया।

Dr. Rajesh Dixit has been selected as member of National Advisory Team of

the National Conference on *Climate Change and Human Health issues: Concerns and Opportunities* that is to be held from 8-9 October 2018 in Kashmir University, Srinagar (J&K).

Dr. Deepa Vanjani read her poem published in the Proverse Poetry Prize anthology 2017, in the Kubrick Poetry Reading event at Kowloon, Hong Kong, on 27 May 2018. Poets from Italy, Catalan (Spain), Hong Kong, and other places participated in the poetry reading.

Ms. Kusum Joshi cleared her DET from Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore on 13 May 2018 and got registered for her doctoral research.

Dr. Shobha Chaturvedi retired from the Zoology department on 24.04.2018 after a successful tenure.

## Chemistry Department



Pre-Ph.D. viva-voce of Ms. Ritu Kumrawat



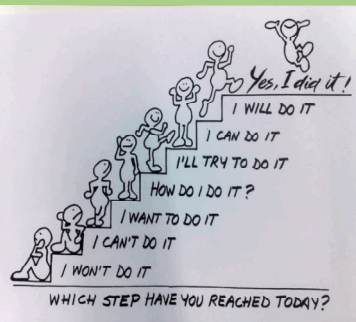
Lecture cum training programme in Chemistry department



M. Sc. Microbiology students and Faculty members during Memoir, the Farewell Programme



Krishna Soni, (B.Sc. 6 Sem. CS) secured 1st position in DAVV, Indore



The pre-Ph.D. viva-voce of Ms. Ritu Kumrawat was held on 11-04-2018. She is working under the supervision of Dr. Kumud Modi.

Ms. Arti Chaurasia gave her Pre-Ph.D. presentation on "Phytochemical Investigation of Biologically Active Compounds from Some Medicinal Plants". She is working under the guidance of Dr. A.K. Gharia on 22-05-2018.

On 20-04-2018, the department and P.G.A.D. cell jointly organized a lecture for all P.G. & pass out students & faculties. The lecture was delivered by Mr. Suraj Sharma on "How to Prepare for Competitive Exams (CSIR, NET, GATE)" especially for life science subjects. Mr. Aditya Sharma delivered a lecture cum training on "Sales and Services Management in Automobiles" to all graduate students on 21-04-2018.

Vikas Patel, student of M.Sc. Previous II semester Chemistry, was selected for the dealers sales consultant training program by the National Technical Institute.

## Microbiology Department

**Memoir**, a farewell programme, was organized for M.Sc. Semester IV, Microbiology students organized by M.Sc. Semester II students on 2 May 2018. Principal Dr. Kiran Dixit graced the occasion.

Ms. Namrata Chouhan topped in the University exam of M.Sc. Semester I (Microbiology) by scoring 88.4% and Ms. Surabhi Porwal secured the second position by scoring 85.6%. In the M.Sc. Semester III (Microbiology) exam, Ms. Sakshi Patil stood first by scoring 75.8% and Ms. Jagriti Goyal stood second by scoring 75.6%.

Microbiological analysis of milk samples from dairy industry was performed as a part of consultancy service on 22 June 2018. Ms. Kiran Paliwal performed the analysis.

## Zoology Department

Two guest lectures were arranged for UG students. On 11.4.2018 Dr. Vipul Keerti Sharma, Department of Zoology, Autonomous Holkar Science College gave a lecture on "Career Guidance". On 20.4.2018, Dr. Shailendra Sharma, Principal, Aadarsh Institute of Management & Science, Dhamnod gave career guidance to students.

On 7.5.2018 open Ph.D. viva voce of Mr. Muddassir Ahmad Thoker (Research scholar of Dr. A.A. Khan I.K. College) was held in the department. Another Ph.D. viva voce of Mr. Madan Waskel (research scholar of Dr. G.D. Sharma and co-supervisor Dr. Rajesh Dixit) on topic the 'Effects of Peritol and Corticoids Hormone on the Growth of Silkworm and Productivity of Silk' was held on 7.6.2018. Prof. Sangeeta Shukla, Vice-Chancellor, Jiwaji Vishwavidyalaya Gwalior (M.P.) was the subject expert and external examiner. Dr. Narendra Dhakad, Vice-Chancellor of DAVV congratulated the entire team.

Dr. Rajesh Dixit presented a research paper on the topic 'Application of Green Energy Technology for Environmental Sustainability' in an International Seminar on Green Revolution & Modern technology from 5 to 7-04-2018 in R.G.P.V. Bhopal.

## Computer Science & Information Technology Department

Krishna Soni, B.Sc. VI semester Computer Science student, secured 1st position in DAVV. The department arranged farewell of B.Sc. III year students of Computer Science and Information Technology. Various performances by students and teachers were enjoyed by all present.

Ms. Manisha Shah and Mr. Brajesh Vijaypuria are members of the admission committee for academic session 2018-19.

## Electronics Department

To enhance academic performance of students, the department organized two lectures of Prof. Pradeep Purey from Maharaja Ranjeet Singh College, Indore, on the topics 'How to Prepare Electronics Projects' & 'Digital ICS' on 20-04-2018 and 16-5-2018 respectively. Another lecture for BCA students was arranged on 10.05.2018. The speaker was Prof. Tarjini Sewak, DAVV, and the topic was "Advanced Web Technology". The department arranged a lecture for creating awareness about corporate and industry culture on 20-4-2018. In this Prof. Devendra Bais from Medicaps University spoke about the "Use of Electronic Devices in Communication Industries".

## Mathematics Department

Dr. Vibhoj Parsai & Smt. Rinku Jain participated in a workshop on "Role & Importance of Mathematics in Industries" from 27 to 28-04-2018 organized by Shri G.S.I.T.S., Indore.



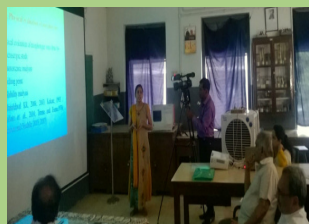
### Botany Department

**Ph.D. open viva** of Ms. Shilpi Patel was held on 1 May 2018 in the department on "Comparative Phytochemical & Antimicrobial Studies on Morphotypes of *Hibiscus Rosa Sinensis* Linn". She completed her Ph.D. under supervision of Dr. Madhavi Adhav. Dr. Ashok Jain, Prof. of Botany, Jiwaji University, Gwalior was the external examiner. Research Papers Published:

Baghel. P.S. and Dr. Sudip Ray (2018) : "Preliminary Phytochemical and anatomical study of seed and bark of medicinal plants *Sterculia villosa* Roxb used as aphrodisiac" in World Journal of Pharmaceutical & Life Sciences, Vol.4., Issue 4, page no.155-160, ISSN:2454-229.

Baghel. P.S. and Dr. Sudip Ray (2018): Preliminary Phytochemical Screening of a medicinal plant *Ceropegia bulbosa* Roxb. in International Journal of Botany study, Vol. 3, Issue 2, ISSN: 2455-54.

Shilpi Patel & Dr. Madhavi Adhav : "Phytochemical Screening , IR Spectroscopy of ethanolic Leaf extract of *Hibiscus rosa sinensis* Linn, (Hibiscus red) in journal of Pharmacognasy & Phytochemistry, March 2018, ISSN:2278-4136 and "IR spectroscopy & anti microbial activity of ethanolic Flower extract of *Hibiscus rosa sinensis* Linn (Hibiscus red)" in International Journal of Botany Studies Vol.3, Issue 2, March 2018, ISSN:2655-541x. Dr. S. Shrivastava: "Study of growth parameter of plant height in *Zea mays* (H-405 and Chandan-3) in polluted and non-polluted environment" in International Journal of Scientific Research and Engineering Studies, Vol.5, Issue 2, March 2018, ISSN-2349-8862 and "Study of growth parameter of plant height in *Glycine max*(L)(JS72-44 and JS75-46) in polluted and non-polluted environment" in International Journal of Scientific Research and Engineering Studies, Vol.5, Issue 2, March 2018, ISSN-2349-8862.



Ph.D. open viva of Ms. Shilpi Patel in Botany department



Dr. Deepa Vanjani reading her poem in the Kubrick Poetry Reading event at Kowloon, Hong Kong



Dr. Jyoti Singh delivering her address



NCC Airwing Cadet Chintu Rao



Poster Display by Career Guidance Cell members

### English Department

**Dr. Deepa Vanjani** was invited as judge in the inter-public school debate competition at Daly College, Indore on 13 April 2018. She was the examiner in the viva-voce at School of Pharmacy, DAVV, Indore on 16 May 2018 for B. Pharm. I semester Communication Skills. She was invited as expert speaker by the Department of Humanities, IPS Academy, Indore on 4 April 2018 to deliver a talk on strengthening communication skills and the syllabus for VIth semester students. On 14 May 2018, Dr. Vanjani attended the meeting of Board of Studies at Kasturba Gram Rural Institute, Indore for curriculum revision. She was invited as a judge in the inter-school essay writing competition at Chameli Devi Public School, Kesar Bagh Road on 17 June 2018.

### Hindi Department

**डॉ. ज्योति सिंह** "हिन्दी मंच" द्वारा संचालित गतिविधियों में सम्मानित की गई। क्षितिज संस्था इन्दौर (म. प्र.) द्वारा दिनांक 2 और 3 जून को आयोजित अखिल-भारतीय-लघु-कथा-सम्मेलन में भी डॉ. सिंह ने सहभागी की भूमिका निभाई व सम्मान-पत्र भी प्रदान किया गया।

दिनांक 23-24 अप्रैल 2018 अन्तर्राष्ट्रीय-शोध संगोष्ठी हिन्दी विभाग शासकीय स्नातकोत्तर महाविद्यालय गढ़ाकोटा, सागर में आयोजित की गई जिसमें डॉ. ज्योति सिंह को "श्री नरेन्द्र के रामकथापरक उपन्यासों में राम: जनवादी एवं मानवीय मूल्यों के महानायक" विषय पर शोध-पत्र प्रकाशित हुआ एवं डॉ. तृष्णा शुक्ला का भी इसी अंतर्राष्ट्रीय संगोष्ठी में 'रामकथा भारतभूमि की विलक्षण धरोहर है' इस विषय पर शोध-पत्र प्रकाशित हुआ। जिसका आय.एस.बी.एन. नं. 978-93-87580-31-1 है।

विश्वविद्यालय द्वारा आयोजित बी.एससी. प्रथम वर्ष, चतुर्थ सेमेस्टर, छठें सेमेस्टर की परीक्षाओं में विभाग के प्राध्यापकों ने वीक्षण कार्य एवं सहायक के रूप में कार्य किया।

21 जून को महाविद्यालय में आयोजित योग-दिवस कार्यक्रम का संचालन डॉ. ज्योति सिंह ने किया।

### Physics Department

**Mr. Gopal Chand Dangi** cleared the Research Degree Committee [RDC] viva under the guidance of Dr. Ravi Vanshpal at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore. Mr. Dron Mishra submitted the second half yearly Ph.D. progress report. He is working under the guidance of Dr. Uttam Sharma (H.O.D. of Physics, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore). Mr. Dron Mishra was appointed as NCC caretaker of 2 MP ARMD SQN. Ms. Reena Bhatt cleared the RDC viva under the guidance of Dr. Shweta Mishra at Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore. Ms. Himani Bhatt worked as member of the Faculty Development Programme of the college.

### NCC Airwing Unit

NCC AirWing Cadet Chintu Rao of B.Sc. Final Year [PCM] has been selected as Ground Training Instructor (GTI) in the month of June 2018. He is undergoing training in Mysore.



Prof. Dr. Kamlesh Bhandari giving his lecture



Display of poster in Knowledge Gallery under UGAD programme



International Yoga-day

**Patron:**  
Shri Atul Bhai Somaiya  
[Chairman]

**Chief Editor:**  
Dr. Kiran Dixit [Principal]

**Convener:**  
Dr. Deepa Vanjani

**Co-Convener:**  
Ms. Reetika Shah

## Career Guidance Cell

Dr. Nandini Phanse, Convener of Career Guidance Cell, compiled & designed posters for the Knowledge Gallery of the college. Posters on “Interview Skills” & “Soft Skills” were displayed in the month of May 2018 in presence of Principal & members of Career Guidance Cell.

## Faculty Development Programme

Under this a lecture on “Environment Sustainability and State of Happiness” was given by Prof. Dr. Ganesh Kawadia on 10 April 2018. And Prof. Dr. Kamlesh Bhandari has given a lecture on “Science of Investment and Planning” on 28 June 2018.

## U.G. Academic Development Program

For the academic session 2017-18, Ms. Mahima Golani convened the UG Academic Development Program of the college. Two posters were displayed in the Knowledge Gallery in April 2018. The 1st topic was ‘What to do after UG in Physical Sciences?’. This chart was prepared by Mr. Deepak Dongre, faculty member of Maths Department. The 2nd poster was based on ‘Scope of Biological Sciences after UG’ and was prepared by Dr. Preeti Parasher from the Botany Department.

## Mission Green

In the month of June, Mission Green Committee displayed posters in the Knowledge Gallery of the college. The first poster on ‘Saving Trees’ was prepared by B.Sc. VIth semester student Lalit Dhangar from Department of Computer Science and IT. The second poster was based on ‘Discouraging the Use of Polythenes’.

## International Yoga Day

A programme to mark International Yoga Day on 21.06.2018 was organized jointly by PMB Gujarati Science College, PMB Gujarati Commerce College, PMB Gujarati Arts College, and Shri Gujarati Samaj B.Ed. College at their Nasia Road campus. Shri Rakesh Dangi, member Janbhagidari, Govt. Arts & Commerce College, Indore and Regional President of ABVP, was the chief guest of the programme. Principal Dr. K. Dixit welcomed the guests.

Various Yoga asana's & Pranayam were demonstrated by Ms. Renu Goyal & Priti Modiya, member International Yoga Federation. Heads of all departments, staff members and students also participated enthusiastically in the activity. Madhya Pradesh song and Shanti-Path were rendered on the occasion. Dr. Jyoti Singh conducted the programme. Dr. Satyendra Sharma proposed the vote of thanks.

## Student's Achievement

Jayendra Singh Sisodiya (B.Sc. IV sem.) and Harshit Sharma (B.Sc.VI sem.) participated in the inter-college debate competition organized by Indore School of Social Work on 4 April 2018 in memory of Late A. K. Wadhwa. They won second prize (for the motion) and consolation prize (against the motion) respectively. The topic was ‘Digital India has favoured in progress of Indian economy’.

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To,

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