



Shri Gujarati Samaj, Indore
PMB Gujarati Science College
PERIHELION



Shri Bharat Bhai Bavisi
 Chairman G.B.



Quarterly Newsletter
April-May-June 2014
Issue - 3

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News Letter inauguration

From the Desk of Principal

Time flees, and we are already into the third issue of our quarterly newsletter 'Perihelion'. We have got into the preparations for the new academic session. It is time to reassess our work and get ready to move on to the next session with greater vigour and enthusiasm. I am positive that we will

continue to uphold the noble traditions of our institution in future. Let us resolve to dedicate ourselves to academic excellence and all-round development of our students, while at the same time updating and upgrading ourselves at each step.

Prof. Santosh Nagar

News at a Glance

Dr. Vibhoj Parsai participated in national conference on "Recent Advances in Basic Sciences" organised by Christian Eminent College, 16-17th April, 2014 and presented a research paper **Contribution of Browser Fixed Point and its Application**. ISBN NO: 978-93-83083-7-1. He also delivered a talk on Fibonacci Number.

Prof. Mayur Mota participated in national conference on "Recent Advances in Basic Sciences" organised by Christian Eminent College, 16-17th April, 2014 and presented a research paper **Web Usage Mining: Pattern Analysis and Application**. ISBN NO: 978-93-83083-7-1.

Dr. P.K. Dubey, Dr. Pravin A. Kekre, Prof. R.B. Patel, Prof. Mayur A. Mota Dr. J. Sikka Dr. A.K. Gharia and Dr. Sudeep Rai were Master Trainers in Lok Sabha elections 2014 and gave 20 days training to presiding and polling officers.

Prof K. Venkataraman was invited to join as member of Academic Development Group for International Physics Olympic (IPhO2015) to be conducted by TIFR, Mumbai. He attended the academic development workshop of IPhO 2015 at HBCSE, TIFR Mumbai from 19-31 May 2015.

Dr. Nandini Phanse submitted

an abstract entitled- "Isolation and Characterization of Cellulolytic *Bacillus Species* from Forest Soil" and **Ms.Mahima Golani** presented a poster entitled- "Isolation and Identification of Potential Lipase Producing Bacteria from Oil Contaminated Soil" at a UGC sponsored National conference on Recent Updates in Biological Research, organized by Saifia College, Bhopal.

Dr. Pravin A Kekre and Dr. Deepa Vanjani were experts in interview panel for selection of students for the IIPM programme in IIM-Indore from 3-5 June 2014.

Dr. Jayshree Sikka guided research scholar Mrs. Kishwar Syed and she was awarded Ph.D. on 14 June, 2014. The title of the study was 'Air Pollution Studies in Relation to Reproductive Biology of Cassia & Bauhinia in Indore City.'

Dr. Sudip Ray of Botany dept. was appointed as a Ph.D. examiner for the evaluation of Ph.D. thesis by APS University, Rewa in June 2014.

Dr. Deepa Vanjani became registered Ph.D. supervisor in May 2014 and six students have registered for doctoral work under her supervision.

*Diabetes Awareness*

Name	Pass %
Shivangi Agrawal	81.00
Vartika Mishra	79.20
Rashmi Lalchandani	77.80
Pooja Chaturvedi	77.60
Surbhi Edlabadkar	77.20

M.Sc. III Sem. Microbiology

Name	Pass %
Sonika Kag	83.8
Pachi Saxena	75.6
Nupur Deshmukh	72.8
Jaspreet Kaur Chawla	69.6

M.Sc. I Sem. Microbiology

Name	Pass %
Aarti Nirmal	79.83
Kashiram Benal	78.17
Rupak Kujur	73.50

B.Sc. V Sem. Microbiology

Name	Pass %
Aayushi Bhawsar	79.67
Apurva Vyas	78.83
Swati Pawar	77.67
Vaishali Shukla	77.50
Aayushi Bharadwaj	72.00
Bhumija Ranga	71.70

B.Sc. III Sem. Microbiology

Name	Pass %
Sakshi Patil	71.50
Aarti Pal	70.17
Divya Kataria	69.00

B.Sc. I Sem. Microbiology

Departmental Activities

Computer Science and Information Technology Department

The second semester result of Computer Science was 87.27% while that of Information Technology was 85.71%. The highest score has been secured by Naveen Sharma (CS) 73.67 %.

Mrs. Komal Kalra Pagarani , Mrs. Asia International, presented a seminar on "Diabetes Awareness" on 01 May , 2014.

Prof. Sanjay Sharma was winner in Badminton single and was runner up in Badminton (men's singles) and also runner up in Table Tennis (men's doubles). Prof. Brajesh Vijaypuriya was winner in Chess. Prof. Govind Kaithwas was runner up in Badminton (men's doubles) in the in-house match of staff members.

Prof. Mayur A. Mota, Head

Microbiology Department Annual Prize Distribution

A parent teacher meeting was organized for M.Sc. students on 10th May 2014. During the meeting, topics concerning student welfare, their academic and co-curricular performances were discussed with the parents. The parents were also acquainted with the laboratory and advanced teaching methodologies adopted by the faculty of the department.

Ms. Mahima Golani got selected in Doctoral Entrance Test (DET) conducted by Devi Ahilya University for admission in Ph.D. course.

Ms. Mona Bhatnagar presented an informative seminar on "RNA Interference" on 8/05/14 in the Faculty Development Programme being organized in the college.

Dr. Nandini Phanse, Head

Mathematics Department

Prof. Seema Vora & Prof. Jayshree Shah attended national conference on 'Recent Advances in Basic Sciences' on 16 and 17 April 2014, at Christian Eminent College, Indore.

Dr. Vibhoj Parsai and et. al., published a research paper entitled "Generalized Fibonacci -Lucas Polynomials" in International Journal of Advanced Mathematical Sciences 2(1), (2014), 81-87. ISSN-2307-454X.

Dr. Vibhoj Parsai , Head

On 31 May 2014, the college held its annual prize distribution ceremony, with Superintendent, Central Excise ands Secretary IDCA, also former Ranji player Shri Amitabh Vijayvargiya as the chief guest. Shri Hirendra Bhai Patel , member ,Board of Trustees , Shri Gujarati Samaj, Indore presided over the function. Also present on the occasion were Shri Bhagwan Bhai Patel, member, Board of Trustees and Shri Suresh Bhai Patel, Sports Convener of Shri Gujarati Samaj, Indore.

In the function students were awarded for excellence in sports, cultural, NCC and NSS activities. Students and teachers who were winners in inter-college and inter-university as well as in-house sports activities were felicitated. Senior Under Officer Abhinav Pawar was awarded best all-round cadet, while Under Officer Vinay Pastur was awarded best cadet. Under Officer Vishal Patel won the best in discipline award. NSS program officer Prof. Dinesh Jajoo and fifty NSS students were awarded certificates given by Zila Panchayat for participating in rally for creating voter awareness.

Dr. Pravin A. Kekre
Principal Representative

Chemistry Department

Dr. Rushina Natu was invited as subject expert for M.Sc. II & IV semesters in new Girls Degree College for 10 days to speak on 'IR Spectroscopy and Diffraction Patterns'.

Dr. Kumud Modi, Head



Parents Teachers Meet



*Prof. Bhale & Prof Sharma
getting prize with VC*



Prize Distribution



NSS Activities.

Departmental Activities Cont..

Language Department

Madhuri Godbole completed her research work under supervision of **Dr. Jyoti Singh** and was awarded Ph.D. on 3 April 2014.

Dr. Deepa Vanjani was invited as key note speaker in multi-disciplinary seminar at RIT, Indore on 27/04/13 on topic 'Communication is Keystone of Civilisation.' She delivered a lecture on 'Effective Teaching and Technicalities of Communication' in the FDP at Acropolis College on 25/06/14. She was appointed central observer in All India Local Self Government Examination conducted from Mumbai from 16-21 June 2014. She was in advisory panel in JDCT International Research Journal Vol.2/January 2014 ISSN 2320-1649

Botany Department

Dr. S. Ray and Jitendra Sainkhediya published their research paper on "Certain Medicinal Plants of Solanaceae and their Alkaloid Screening" in April 2014 in International Research Journal of Medicinal Science.

Dr. S. Ray and Jitendra Sainkhediya published their research paper on "Threatened Weed of BT Cotton Fields in Nimar Region", May 2014 in Asian Journal of Bio Sciences, AJBS.

Dr. C.M. Solanki, ex. head of Botany guided Dhvani Sharma and she awarded Ph.D. on 24th May, 2014. The title of the study was 'Study of Phytoplankton Diversity of Narmada River'.

Dr. J. Sikka was speaker along with **Medha Patkar & Shri Anil Trivedi** on "Modern Life Style & Environment" on 4th June, 2014 organised by 'Seva Surbhi' on World Environment Day.

Dr. Jayshree Sikka, Head

NCC activities

Sergeant Gajendra Parmar of B.Sc. II year was selected for participation in the 15 day camp at IMA, Dehradun in May 2014.

Pradumn Verma of BSc II year participated in the pre-Maulankar shooting camp in Jabalpur in June 2014.

**Prof. Ketan Topiwala,
NCC Officer**

and her paper titled 'New Vistas: Communication Skills and the Apple Generation' was published in the same journal. She was also invited as a judge in the annual function at Astral College, Indore on May 4, 2014.

Dr. Deepa Vanjani, Head

Electronics Department

Prof. Venkataraman, Prof. Manish Joshi, and Prof. Vaishali Bhale presented a paper entitled "Review Paper Simulation and Synthesis of SONET Standard STS12 Transmitter" in the national conference held by Christian Eminent college, Indore.

Prof. Vimal Sharma's research paper entitled "A Research Modeling to Understand Quality of Work Life Among Management Academicians" was presented in the conference held on 11th-14th May 2014 at IIM, Indore.

Prof K. Venkataraman, Head

Zoology Department

Dr. GD Sharma and Prof. Chetna Savita attended seminar cum work shop in Holkar Science College, Indore on 5/04/14.

Mrs. Shiva Bansal submitted her Ph.D. thesis under guidance of **Dr. G.D. Sharma** Ph.D. guide on 11th June 2014.

Dr. Vibha Dave attended one-day workshop on 'Adolscence'.

Dr. Rajesh Dixit represented the Girls' National Badminton tournament as manager.

Dr. Raksha Modi submitted her Ph.D. thesis. Her research paper was selected for International Journal, JERAD

Dr. Shobha Chaturvedi's research paper was accepted & approved in the International Journal of Biological Sciences (June 2014 issue).

Dr. G.D. Sharma, Head

NSS activities

Students with **NSS Program Officer & district convener Shri Sachin Sharma** participated in 7-day rural camp and engaged in community welfare service. Students participated in Voter Awareness and Save the Girl Child rally. They took part in National Integration Camp at Porbandar, Gujarat.

**Prof. Dinesh Jajoo
NSS Program Officer**

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Prof. Sanjay Sharma

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Inauguration: Quarterly News Letter "Perihelion" [26th April, 2014]

The quarterly news letter "Perihelion" was launched in a function with Dr. Diwakar Bhai Shah, President, Shri Gujarati Samaj as chief guest. Chairman Shri Bharat Bhai Bavisi, Principal Prof. Santosh Nagar and all staff members were present on the occasion. The news letter will highlight the activities and achievements of the college.

Dr. Pravin A. Kekre



how it underpins most technological developments in our modern society.

- To inspire young people through public exhibitions, conferences and hands-on demonstrations in schools.
- To illustrate the universality of science.
- To intensify the programme Crystallography in Africa and create similar programmes in Asia and Latin America.
- To foster international collaboration between scientists worldwide, especially North-South contributions.
- To promote education and research in crystallography and its links to other sciences.
- To involve the large synchrotron and neutron radiation facilities worldwide in the celebrations of IYCr2014, including the SESAME project set up under UNESCO auspices.

Dr. Sanjay Shah
Dept. of Physics

The World of Crystallography

2014 has been declared the International Year of Crystallography (IYCr2014) by the United Nations Educational, Scientific and Cultural Organization (UNESCO) and the International Union of Crystallography (IUCr). The International Year of Crystallography 2014 (IYCr2014) commemorates not only the centennial of X-ray diffraction, which allowed the detailed study of crystalline material, but also the 400th anniversary of Kepler's observation in 1611 of the symmetrical form of ice crystals, which began the wider study of the role of symmetry in matter. The major objectives of the IYCr2014 are:

- To increase public awareness of the science of crystallography and

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To,

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