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Editorial

A warm wishes to all the readers for yet another issue of SBS TIMES for the year 2014. I wish everyone a very Happy Republic Day. SBSPGI has always contributed for the betterment of the society which was reflected as the novel gesture of the Institute in the month of January in the way of sponsoring the Scholarships for the talented young students of Schools and by arranging the labs and tutorials for the students of Balawala Inter College.

The Office of Publication and Creative Writing Society at SBSPGI is always working to improve how we communicate with our student, staff and alumni. I would like to extend thanks to the contributors of this issue.

The main feature of this issue discusses the achievements of the staff, students and mainly the sports and academic achievements. A new addition of a segment, the dialog column, continues dealing with the views of the teaching staff on the current matters related to their respective fields and we appreciate that we are getting a good response by the teaching staff and hope it continues forever.

I look forward to hearing from you. For now, happy reading!

Editorial Board

Celebrating 65th Republic Day

The Institute celebrated the 65th Republic Day of the Nation with zeal and zest. The tricolor flag was hoisted by S. P. Singh, Chairman of the Institute accompanied by Dr. Gaurav Deep Singh, Managing Secretary and Brig. (Retd.) P.P. S. Pahwa, Additional Director.

Mr. Najib Islam (MPT 2nd year) and Ms. Rimpal Dhawan (MPT 1st Year) gave speeches in hindi and english respectively. The young speakers gave a clarion call to live up to the expectations of our motherland. The students highlighted upon various developments of the country and discussed issues like rising Youth empowerment, latest developments in socio-economic fields etc. Addressing the students, Dr Luv Kush, Academic Advisor, highlighted upon the qualities of students especially self commitment and honesty as the key factors for building a strong nation.

Brig (Retd.) P. P. S. Pahwa, Additional Director of the Institute enlightened the students about self discipline and focused on the developments made in the last few years. He also highlighted upon the various new developments of the Institute.



facultynews & publications

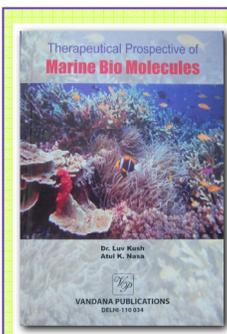
16 research papers were presented as oral and poster presentations from the Department of Biotechnology and Biochemistry in 8th Uttarakhand State Science and Technology Congress held at Doon University from 26th –28th Dec 2013.

Dr. Versha parcha participated in International Carbohydrate Conference at F.R.I., Dehradun, on December 20-22nd Jan, 2014 and presented paper on "Isolation, characterization and evaluation of hyperlipidemic principle from *Bauhinia variegata*".

A Ph.D. was awarded under the supervision of **Dr. Sanjay Gupta** to Ms. Irshita Bajpai from H.N.B. Garhwal Central University on the topic entitled "Bioconversion of lignocellulosic waste (*Lantana camara*) for production of biofuel.

Kumar, V. Manoj, **Kumari, Reena** and Khurana, S. (2013). Correlation between forward reaching abilities and early activation amplitude of gastrocnemius in healthy individuals. *Indian Journal of Paper presented* entitled, "**Lantana camara a potential weed for preparing Alfa Cellulase and its methyl cellulose derivative**" by Neetu Pandey, P.K Gupta and Sanjay Naithani, in XXVIII-CARBO International conference on challenges in chemistry and biology of carbohydrates 20-22, January, 2014. Held at Sun Park In Hotel Dehradun.

Paper presented entitled, "**Preparation of hydroxypropyl cellulose from alpha cellulose isolated from Lantana camara with respect to D.S and rheological behaviour**" Neetu Pandey, P.K Gupta and Sanjay Naithani in 8th Uttarakhand state science and technology congress 26-28 December, 2013 held at Doon University Dehradun.



The Editorial Board congratulates **Dr. Luv Kush** for his academic contribution. The book entitled "**Therapeutic Prospective of Marine Bio-Molecules**" has been published which includes edited dissertation of the thirteen (13) students of SBSPGI namely, Deepa Kaithait, Kulwant, Pankaj Kumar Verma, Prabhat Kumar, Navneet Kumar, Rakhi Goyal, Rajesh Purohit, Sanjeev Barmola, Sanjeev Kumar, Sidharth Bhagria, Sukhvir Singh, Vikash Upadhyay and Vishal Sharma. The book is edited by Dr. Luv Kush and Mr. Atul Kumar Nasa, and is published by Vandana Publication, New Delhi.

About the Book: The knowledge of marine system is being enriched by the contribution. This system embodies more than 300,000 species of fauna and flora and is promising source of potential drugs. The book restrains the novel entities of marine system. The chemopharmacological aspect of marine biomolecules which has therapeutic importance has been presented in simplified form. Till now globally more than 10,000 bioactive compounds of marine origin have been screened for variety of bioactivities. The book is supposed to provide a basic knowledge of chemistry lying in the marine system and will be of great use for people concerned with marine environment.

dialogcolumn

RapidCaP : New Animal model for prognosis and treatment of Prostate Cancer



Prostate cancer is the one of the most prevalent and deadliest cancer in men, second only to lung cancer. Scientists use different models for studying the cancer progression and the various cell signaling pathway for better understanding for a possible therapy. There are various prostate cancer animal models available including the most popular mice models but they take long time to develop and also fail to mimic the actual lethality related events associated with the disease. More specifically they fail to build up tumors that metastasize, making it almost impossible to study the terminal, lethal events in cancer pro-

gression. Recently researchers from Cold Spring Harbor Laboratory (CSHL) and other institutes in USA have developed a new method to create better mouse models for metastatic prostate cancer that more accurately reflects the most lethal events in human patients. In this model termed as "**RapidCaP**" scientists directly deliver gene mutations into the prostate surgically. Although, this model showed hallmarks of the metastatic prostate cancer, surprisingly one of the facilitator of prostate cancer the PI 3-Kinase activity was conspicuously absent. The team of researchers from CSHL, WCMC, MSSM, DFCI led by Associate Prof. Lloyd Trotman (CSHL) however observed that in absence of PI-3 Kinase activity the *Myc*, a different cancer gene has taken control over the metastatic phenomenon by over-expressing the *Myc* protein. Using this finding they have also developed a new drug against this deadliest cancer, known as JQ1. This *Myc* "lowering" drug was successfully able to limit the metastatic by shrinking the tumors and thus opened a new switch to treat the prostate cancer that was suggested to be incurable till recently. Thus "RapidCaP" provided towards rapid and more reliable approaches to investigate the cancer progression and therapeutics.

Dr. J.S. Kumar
Assistant Professor,
Dept. of Biotechnology & Biochemistry

SBSPGI Felicitated Young Talents

At the onset of the year 2014, a prize distribution ceremony for young talented students, who excelled in the talent search examination, 2013 was organized on 19th January 2014, at the SBSPGI, Balawala, Dehradun. This was a noble gesture of the joint organizers towards the society. This ceremony was organised by Lakshya, an Educational and Awareness Society, Miyanwala, Dehradun while the cash prizes of Rs 3000/-, Rs 2500/- and Rs 2000 for 1st, 2nd and 3rd places respectively for three categories and 7 consolation prizes of Rs 500/- each were sponsored by SBSPGI, Balawala. The occasion was graced by the

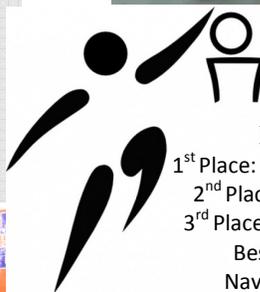
The event included the introduction of the young students to the modern laboratory facilities of the Institute in the field of biomedical sciences to broaden the knowledge base. This was towards the continuous efforts that SBSPGI practises throughout and thirsts upon the upliftment of the meritorious students. In total 30 students were awarded who belong to the schools between Bhaniyawala and Jogiwala. There were 3 categories for awards: Category A- For students of class 6th to 8th, Category B- For the students of 9th and 10th and Category C- For the students of class 11th and 12th. Prize winners were of various categories were: Category A: I - Manish Purohit, SGRR, II - Vaishnavi Nautiyal, St. Kabir, III - Anshuman Sharma, Doon Public School. In category B: I - Samarth Khantwal, St. Kabir Academy. II - Aditya Uniyal, SGRR and III - Vinay Singh, Doon Public School. In category C: I - Yash Chauhan, SGRR, II - Atul Bamola, SGRR, III - Aman Bhandari, Bright tutorials.



Inter house sports events were conducted for various events the results for the same are as follows:



INTER HOUSE BASKET BALL



Boys:

- 1st Place: Zorawar House
- 2nd Place: Ajit House
- 3rd Place: Fateh House
- Best Player:
Naval Kishore
(Zorawar House)

Girls:

- 1st Place: Zorawar House
- 2nd Place: Jujhar House
- 3rd Place: Ajit House
- Best Player:
Nainika Uniyal (Zorawar House)



INTER HOUSE HAND BALL

Boys:

- 1st Place: Zorawar House
- 2nd Place: Jujhar House
- 3rd Place: Ajit House
- Best Player:
Ankur S. Gosain (Zorawar House)

Girls:

- 1st Place: Zorawar House
- 2nd Place: Jujhar House
- 3rd Place: Ajit House
- Best Player:
Nainika Uniyal (Zorawar House)



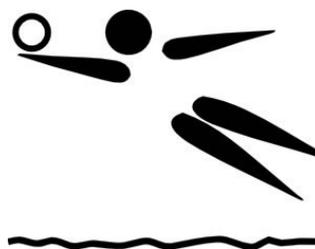
INTER HOUSE VOLLEY BALL

Boys:

- 1st Place: Ajit House
- 2nd Place: Zorawar House
- 3rd Place: Jujhar House
- Best Player:
Shahid (Ajit House)

Girls:

- 1st Place: Fateh House
- 2nd Place: Jujhar House
- 3rd Place: Zorawar House
- Best Player:
Vishwanti (Fateh House)



Congratulation to all the students who have excelled in their academic results

Batch	Rank 1 st	Rank 2 nd	Rank 3 rd
M.Sc. Pharmaceutical Chemistry 2 nd Semester (Batch: 2012 – 2014)	Noor Fatma	Mukesh Singh	Km. Sushma Negi
M.Sc. Biotechnology 2 nd Semester (Batch: 2012 – 2014)	Purva Agarwal	Km. Shivangi Bisht	Km. Bharti Kumay Km. Yashika Negi
M.Sc. Biochemistry 2 nd Semester (Batch: 2012 – 2014)	Pooja Gupta	Lucky Dogra	Neda Hamid
M.Sc. Microbiology 2 nd Semester (Batch: 2012 – 2014)	Km. Kshipra	Km. Anupama Prakash	Km. Ishita Bhattacharya
M.Sc. Chemistry 2 nd Semester (Batch: 2012 – 2014)	Neelam Rawat		

newjoinings



Dr. Rupa Giri
Ph.D -Microbiology, CCSHAU, Hisar, Haryana
M.Sc - Microbiology, CCSHAU, Hisar, Haryana
Publications- 11
Expertise- Plant-Microbe interactions

polio



Successful Oral Polio Vaccine (OPV) program

After a long fight with the dreadful polio, India has now become a polio free country. It was the last polio camp in India on 19th of January 2014 and the NCC cadets of the institute took active part in accomplishing the cause.

alumni

OBITUARY



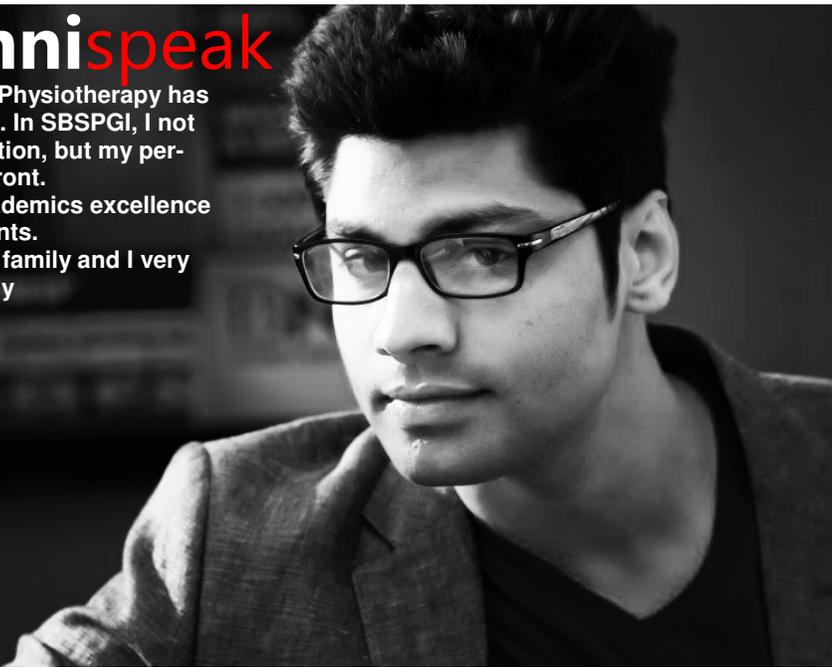
Manoj Malik (1979-2013) Himanshu Tyagi (1974-2013)

Mr. Himanshu Tyagi and Mr Manoj Malik were among the profound Alumni of the Institute from the M.Sc. Pharmaceutical Chemistry, Class of 2000. Mr. Tyagi was conferred with the prestigious Award of Appreciation-2010 in recognition of his contribution to the society and helping the students for getting placed in the pharma industries. Inspite of their busy schedules both of them spared time to take part in the alumni activities. They always enriched us with their wisdom. We all at SBSPGI and SBSOSA deeply mourn the demise of Mr. Himanshu Tyagi and Mr. Manoj Malik.

alumnispeak

My stay here during my Bachelors in Physiotherapy has a mixture of Academics and activities. In SBSPGI, I not only achieved my professional education, but my personality was groomed on an overall front. This Institute is a perfect blend of academics excellence and overall development of the students. I am proud to a part of this wonderful family and I very proudly represent my Institute globally

Manas Kathuria
BPT, Class of 2007
Owner of MK Health & Wellness,
In Home Physio care, CANADA



Patron: Shri S.P. Singh, Chairman, Gaurav Bharti Shiksha Sansthan
Publisher: Dr. Gaurav Deep Singh, Managing Secretary, Gaurav Bharti Shiksha Sansthan
Advisors: Brig. (Retd) P.P.S. Pahwa (Additional Director), Capt. J.S. Gill (Retd), (Advisor Administration), Dr. Luv Kush (Academics Advisor).
Editorial Board: Dr. Vikash Singh Jadon, Dr. Rina Rani Singh, Dr. Vishal Rajput, Dr. Umar Arfath, Dr. Chitra Kapoor, Dr. Richa Gaur.
Student Editors: Sonali Gaur (Secretary), Deepika Khanna, Sheetanshu Sapru, Pooja Tiwari, Mansi Gaur, Kajal Kalra.

