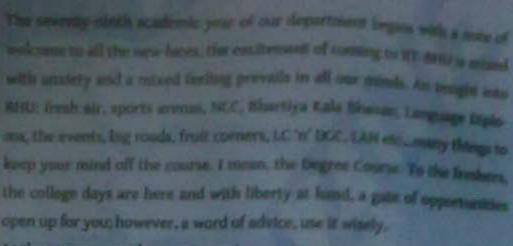


August 2011



Pharmaceutical Society, IT-BHU

### Editorial



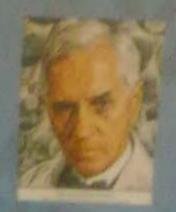
on. The hostel room, as it may seem, gets smaller and smaller and we stall new accessories and book (not many) into already cramped spaces to contrast this, the department is fathoms away from the hostels. The mess find is perfect complement to the nostalgic aroma of meen's home cooked local. And to put the icing on the cake, the heat of July with or without the rates is bathing most of us in sweat, if not in water. On the other hand our transities are nothing in comparison to what the nation on the whole is facing corruption, tax evasion, terrorism, public userest, but as they say if the winter has arrived than the spring can't be far behind. The question remains whether it's the winter or it's the autumn that's arriving?

Pharm-fanzine begins its fourth year of publication and we strive to spread the world of our department's activities among ourselves and to the alumni at the far corners of the country and the world. In the last three years, the magazine has progressed and now covers every activity of the department with utmost diligence. The Pharm-fanzine will achieve another milestone as it becomes a part of the department website. We appreciate your contribution in any form to the magazine and welcome any fresh incentives from your side.

- Editor

# Biography - Sir Alexander Fleming

See Alexander (Ferning to August 1981 – 1) March (1975) was a Scatteric biologic and pharmacologic, specializing in bactericity (ii) bear income discoveries are the encycle lysispeer in 1923 and the architectic solutions posterilla from the moid femalities returns in 1978, for which he shared the main from its racid femalities returns in 1978, for which he shared the main from its Republicar or Medicar in 1949 with Name and Florey and Dress Chain. He is married as use of the 100 in-



portant people in the 20" century by the Time Magazine for his discovery of penicillin.

#### The Story Of The Discoury of Periodic

In 1828, Floring was investigating the properties of stophylocotci. He was already well-known from his cardier north, and had developed a reputation as a brillion researcher, but his laboratory mis often untidy. On 3 Separative 1928, Floring returned to his inhoratory having sport August on heliday with his famity. Refere leaving, he had sucked all his cultures of stophylocotci on a brach in a conner of his laboratory.

On returning, Floring naticed that one culture was contaminated with a fungus, and that the colonies of
stophylocotci that had immediately narranded it had been destroyed, whereas atter colonies further
away were narmal. Floring showed the contaminated culture to his former assistant Merlin Price, who
reminded him, "That's how you discovered hypotyme." Floring grew the resuld in a pure culture and
found that it produced a substance that leifted a number of disease-causing bacteria. He identified the
model as being from the Penicillian genus, and, ofter some moreths of calling it "model juice" named the
substance it released penicilian on 7 March 1979. He investigated its positive unti-bacterial effect on many
organisms, and noticed that it offerted bacteria such as stophylocotci and many other Geno-positive
pathogens that cause scarlet from, paramenia, maningitis and diphaheria, but not typhoid fever or paratyphoid fever, which are caused by Gram-se-gative bacteria, for which he was seeking a cure at the time. It
also affected Neissenia generalizes, which causes generalizes although this bacterium is Gram-negative.

Fleming's accidental discovery and isolation of penicillin in September 1928 marks the start of modern antibiotics. Fleming also discovered very early that bacteria developed antibiotic resistance whenever too little penicillin was used or when it was used for too short a period. He castioned not to use penicillin unless there was a properly diagnosed reason for it to be used, and that if it were used, wever to use too little, or for too short a period, since these are the circulatures under which bacterial resistance to are biotics develops.

ASSERAM VIKAS

(M.Pharm (UIII) Part-II)

## Department News

### ModChem Europe 2011

Dr. Sential Roja A. American Professor, attended the 9th International Conference on "Mackiness Emerge 2011" organized by Select Biosciences at Manich, Germany charing 25-29

March 2011. He also presented a research paper entitied Thesign and synthesis of conformationally restricted analogs of instituteousless as potential auticonvoluents - Development of a pharmscophore model."

Ms. Messakolis Dhammat, Senior Research Fellow, Department of Pharmacoutics, IT-BHU presented her research Paper on "Design, Synthesis and evaluation of anticonvaluent activity of some N3 aryl and heteroaryl acetamide derivatives of imidazolidine" at



Mind Chem Europe, which was held during 28 - 29 March 2011 in Munich, Germany.

#### Sizzling Articles In Sciencedirect

Das, N.; Dhanawet, M.; Dash, B.; Nagarwal, R.C.; Shrivastava, S.E. Their article "Codrug: An efficient approach for drug optimization." published in European Journal of Pharmaceutical Sciences, Volume 41, (Issue 5, December 2010, Pages 571-588), was seventh in the 25 hottest arti-

cles in Oct-Dec 2010 and twenty first in the 25 hottest articles in Jan-March 2011 as reported in Sciencedirect.

Distinguished Professor Retires
\_ Prof. P. N. Sangh



# A Name Engraved On The Department Forever.....

### ......PROFF. P.N. SINGH

A distinguished professor of Pharmacology of the Department of Pharmaceutics, Prof. P.N. Singh, retired this August after serving thirteen years in this department. A farewell function was held in his honor on 1st August, 2011.

Dr. Paras Nath Singh is an aluminus of the department of Pharesacrotics, LT. BHU having obtained his B.Pharma, M.Pharma and Ph.D. degrees from this university. He joined his parent department in 1998. Thereafter, he was steadily promoted as Reader and Professor.

Professor P.N.Singh has wide academic and administrative experience. He has guided nine Ph.D. Scholars and more than twenty-five post graduate students. He has several research collaboration with the DRI, BRI, ITRC- Lucknow, CSIR- New Delhi and has more than a hundred research review papers or articles to his credit published in national and international poer reviewed journals.

He also has contributed a chapter in the book "Medicinal and Aromatic Plants", Taylor & Francis Group, London & New York, 2003 and his articles are cited in books such as "Text book of Pharmacology and Therapeutics" by Goodman and Giliman, 5th edition, 1976, Published by Mc-Graw Hill, Medical Publishing Division, New York and "Pharmacology" by Das PK, Bhattacharya SK and Sen P. 1th edition, 1995, Published by Bl Churchill Livingstone Pvt. Ltd., New Delhi. He also received many awards like "Servier Young Investigators Award" of France for his Co-authored paper presented at the International congress on Frontiers in Pharmacology & Therapeutics in 21th Century, New Delhi (1999).

He contributed in various ways to the department, introduced new and innovative laboratory experiments in Pharmacology for UG and PG programmes of the department, also established Neuro-Pharmacology Laboratory in the Department. He also contributed in development four laboratory manuals for Pharmacology related experiments which are being Nationally used for manpower training, His numerous works will always be remembered.

## Cocoa, aka 'Chocolate'

Now much checolate we sat on an average in a year? According to a survey, a person companies according to bline of checolate in a year. It is the symbol of delight in today's life. It expresses buppiness and harmony.

Crescrists is now or processed fixed from sends of the tropical cases pipe. "Equipment count formity threcolorus Count has been cultivated for at least three sutherate in Meeting and County Assertice. Mostly, two third of the production takes place in West Africa with an inverse production of over 67%. Charalate as such is not sweet in tests. It is obtained from sends of count tree having internal bitter tasts, which are fermented to develop the flavor Africa fermentation, drying, cleaning and equating processes are carried out to bring it to its delicious tests, yet a lat of sugar is added to make it really awar. Much of the charalate consumed today is sweet charalate. Combining cocou solid, cocou butter, other fats and sugar.

The chocolate candles and chips that we eat are processed through a number of stages. Chocolate late makers use harvested cocoa beans and other ingredients to produce the yield. Chocolate is very sensitive to temperature and humidity, ideal storage temperatures are between 15 and 17 degree centigrade with a relative humidity of 50%. Its storage requires extra precautions, it must be kept away from other foods as it can absorb different aromas. Additionally, they are moved in dark place and protected by wrapping.

A research has found that it reduces blood pressure and enhances the purchasism of our cards
wancular and circulatory systems (other medical activities includes the purchasism of our cards
tor, cough preventer and anti-clarifical activities includes the fifty are taxed in large
quantity without increase in admitter may lead to overity. As the as entraining treatment they have serious toxic effects toxic powers against because on an entrain pre-

(B.PHARM Pure II)

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# The Curious Case Of 166% FDI Cap In The Indian

### Pharma Sector

Manually Commission Deputy Children Manual Single Although on monday undersed allowed their foreign threat investment (FDI) in the pharmaceutical meter. It endows the year that there should be no case for rollback from 100% FDI, "Abluwalia said in response to a question presid in him at a conference, it's not uncommon these days to hear news of foreign lattics taking over indian pharma giants. It started with the Japanese major Datichin taking over the home grown Rambaay. Then came the acquisition of Piramal healthcare and now recently Matrix Labs was taken over by Mylan and it's still counting.

It begs the obvious question-is it right? Domestic pharms companies, spearheaded by the Indian Drug Manufacturers Association and Indian Pharmaceutical Alliance, had raised concerns that the takeover of Indian companies by foreign firms could lead to a situation of overpricing of drugs and marginalization of home-grown firms and the current 100% cap on FDI in this field should be discontinued with. Industry groups backed by domestic players have been seeking restrictions on mergers and acquisitions arguing that India would turn into a contract manufacturing centre and would lose its edge. Another concern is that prices of medicines will increase due to lack of generas and rise of imported patented drugs. While, on the other hand, some say that it would do the indigenous pharma R&D a world of good and, our government seems to be "supporting" the latter "cause". "I don't think there is any move anywhere to prevent the expansion of existing 100 per cent foreign owned pharmaceutical companies or to prevent green field investment by foreign companies." Planning Commission Deputy Chairman Montek Singh Ahluwalia said. While the foreign companies have supported the move saying that a reduction in the criling would mark the first instance of a sectorial cap being reduced in India. "FDI should not stand for funds deserting India," Novertis president Ranjit Shahani, who is president of the OPPI (Organization of Photography tical Producers of India), a lobby group representing multinational drug companies had told TOL last week. OPPI has argued that the government has tools available with it to address concerns raised by the domestic players and civil society groups. Yes, it's true that Indian healthcare has long been neglected and taken for granted and, neglecting the pharmaceutical R&O is one of the ressons; that is to say, the amount of investment on it. But, there's a flip side to the coin and that is the Indian economy is not in its best phase and the takeover of these homegrown majors by foreign multinationals is not helping.

So, what do we do? Gantama Buddha once said, "Middle path is the best path". What our bureautists and politicos need to do is to heed. "The Enlightened" advice and do what is best for the metion, economically as well as socio-economically. And with an envious ememble of accordance and healthcare intelligentsia. It's certainly not the most difficult job for our Union Cabinet especially, the health department.

Let's just say. "Hope this article finds the Indian citizen in the best of his spirits and health."

PRAIGHAL SAHAY

M.PHARMERID PART III)

## Independence Day

On 10° Second, 1967 India because the Largest Democratic Independent nation in the world and the day has been pricinaled as independence buy at our country arece then, it is the day which monads us of our skelary, refreshes the mesories of sacrifices made by great heroes of The Freedom Struggle who devoted everything for the pride of their country. And, the day is to pay respect to soldiers; salute our tricolour flag fluttering in the free air of India.



The day is celebrated with great vigour across the length and breadth of India. Flag hoisting ceremonies are the predominant affair of the day, while colourful kites fill the sky in the evening, symbolizing freedom. The Indian citizen is filled with an air of hope. Even on television, patriotic movies and the biographies of our revolutionary becomes are broadcasted throughout the day.

But, there are some dark sides hidden behind this great celebration. It appears as if, it is the only day for our great revolutionaries of past; the deceased ones. While, some people who played a great role in bringing independence and are still alive, are living in very poor conditions. We were not part of the fight for independence; however, we have a debt towards them for our freedom. Paying homage doesn't mean to put garlands on statues and move about our own business simply too busy to consider why was it that they fought in the first place. Our job must be to make the country of their dreams true and existent; the way our revolutionaries wanted india to be.

Since our independence there have been many problems in our country leading to financial, social and cultural controversies. Despite the adverse times, we stood united for our tright future. Even today, corruption and other regional issues are trying to threaten the liberty and peace of our country. 15th August is high time to infuse the spirit of untionalism in everyone and stand firmly against such threatening issues. They say change yourself, the world around you changes, think of 1.2 billion people taking the pledge \_\_\_\_\_\_that's what I call Happy Independence Day.

- HARPREET SINGH

M.Pharm (IDO) Part II

## Recently Published / Accepted Research Articles

- Kennes E, Shri Emt, Shigh P N, Paulit J E: "Effect of Hydroxypropyl-Beta-cyclodestrin on the Ocular Biosvailability of Decumethasone from a pH Induced Mucoadhesive Hydrogel." Current Eye Research (In Press).
- Dar N, Dhamant M, Enhitrentha A, Shrhustera S E: "Pharmacophoric modeling and atombased 3D-QSAR of novel 1-aryl-3-(1-acylpiperidin-4-yl) urea as human soluble Epoxide Hydrolase inhibitors (sEHIs)." Medicinal Chemistry, 2011. (Accepted, In Press).
- 3. Timeri S, Chatterveili A P, Tripathi Y B and Mishru B: "Macrophage specific targeting of isoniazid through mannosylated gelatin microspheres." AAPS PharmSciTech (Accepted).
- Patel BB, Tissuri S and Mishra B: "Bilayered osmotic tablets for sustained co-delivery of isoniazid and rifampicin – a technical note." Inventi Rapid: NDOS. 2011 (Accepted).
- June 15. Thuri 5 and Mishou B: Bioadhesive microspheres for bioavailability enhancement of ralousene hydrochloride: formulation and pharmacokinetic evaluation. AAPS PharmSciTeck. 12: 650-657, 2011.
- Misles B, Panigrahi D, Misles M and Shalds D: "Matrix based extended release tablet of an antihyperlipidemic drug: design and development" Inventi Rapid: NDOS, 2011 (Accepted).
- Shalle S, Ramer P, Sriventone R S, Shriventone S E, Trovell P: "RP-HPLC Method Development and its Validation for Simultaneous Estimation of Alprazolam and Fluoretine Hydrochloride in Pharmaceutical Dosage Form", Eurasian J. April, Chem. 5(3): 239-245, 2010.
- 8. Shakir S, Jamer P, Mourshy M S H N, Shrivastava S E, Trivedi P, Srivastava R S: "QSAR studies on trans-3, 4'-bispyridinylethylenes as a potent and novel inhibitor of protein kinase B (PKB) having inhibitory action against myeloma cells", International Journal of Pure and Applied Chemistry, 6, Issue 1 of IJPAC, 2011.
- 9. Patel BK, Kamer R, Lalos D, Hemaintha S: "Evaluation of phytochemical and anticasda at tivities of the different fractions of Hybenthus emeaspermis (Linn.) 1. Misell. (Violeceae)."

  Asian Pac J Trop Med 2011; 4: 391-6.
- 10. Patel DE, Ensur R, Presed SE, Sairon E, Hemalatha S: "Anticabetic and in vitro antioxidant potential of Hyberthus emicuspermus (Linn) F. Muell in streptozotocin-induced diabetic rats." Asian Pac J Trop BioMed 2011; 1: 316-22.
- Sulu A N, Hemalatha S, Sairon K, Lalco D and Patra A: "Quality Control Studies of Ochrocarpus longifolius Flower Buds. Pharmacognosy Journal. 2010; 2(6): 118-123.
- 12. Lake D and Saha A N. "As tichidant activities of three Indian commercially available
  Nagakesar. An at vitro study." Journal of Chemical and Pharmaceutical Research. 2011; 3
  (1): 217-183.
- 13 Firmer M, Mandel V, Hemakethe S: "Detection of metiormin hydrochloride in a truditionally used indian herbal drug for antidiabetic: a case report." International Journal of Pharens and Bio Sciences. 2011; 2: 307-313.

# **Upcoming Birthday's**

NAME	CLASS	BIRTHDAY
KAMLESH	M.Pham part-II	1-AUG
BIVASH PATEL	B.Pharm part-III	5-AUG
SUPRIYA MANDAL	B.Bharm part-1	5-AUG
GITESH GUPTA	M.Pharm(IDD) part-IV	7-AUG
DHANANJAY	M.Pharm(IDD) part-IV	S-AUG
UJJAWAI, BAIRAGI	B.Pharm part-I	15-AUG
RAHUL JAIN	B.Pharm part-IV	16-AUG
ARTI VERMA	B.Pharm part-III	18-AUG
RAJESH KUMAR	PiLD	20-AUG
HARSHIT GARIA	B.Pharm part-l	25-AUG
AYOOSH KUMAR	B.Pharm part-III	26-AUG
O.NEELKANTH	M.Pharm(idd) part-IV	27-AUG
RAJU DUDIPALA	B.Pharm part-I	29-AUG
M. DILIP KUMAR	8.Pharm part-IV	31-AUG
Dr. A . SENTHIL RAJA	Associate Professor	2-SIP
PRAKHAR SAHAY	M.Pharm(idd) part-10	2-SEP
AKANKASH	B.Pharm part-IV	7-517
DEEPIKA DUBEY	B.Pharm part-III	9-527
VIJAY PRAKASH YADAV	8.Pharm part-III	11-SEP
VIJAY SINGH MEENA	M.Pharm part-III	13-502
AJAY KUMAR JAIN	B.Pharm part-III	13-927
ANKUR VERMA	B.Phurm part-III	21-SEP
RAHUL TRIPATHI	PhD	5-87
VINEET SINGH PAWAR	B.Pharm part-III	In-ser
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PANNALAL SETRVI	8.Pharm part-81	124
ACHINT JAIN	Ph.D	30-SEP



## Kavyanjali

वन्तंकप की जीत में मचा खुवी का धमासान. बुवी का धमासान झूमें तारा हिन्दुस्तान | टीम इंडिया धीनी की ये क्या क्या गुल खिलाती है, कभी फर्स्ट राउण्ड में हारे तो कभी वर्ल्डकप लाती है | लगा के छक्का जीत का पहना धीनी से साज. बुवा होके तब पूंडले पूर्वम पीड को आज.





सायम सहवाग को दो गिर अटक गयी थी सीत.
तम विराट गर्भीर ने माँधी कीत की आग |
यूवी ने धांचा लका को धांनी ने कहर ग्रामा
धांधी गेंद संतालीत में कीत का एकका लगाम |
जीत गया अब इंडिया कंधे ये सचित को उद्याद युगुण जहीर अज्जी युवी ने मेंदान को वक्सर सम्हणा बना आदमी मैच का अपना धीनी राजा.

वानवेडे में लंका का खुब बजाया कजा । मैन आफें द सिरीज बन युवी ने बल्ला घुमाया, भारत सरकार ने भी टीम पर खुब पैसा बरसाया । वर्ल्डकप की खुशी में काता हूँ कि बात, करों भक्ति किरकेद की पर भूतों ना भारत महान, अपनी मातृभूमि का खूब बद्धाओं मान । याद रखें तुम्हें सब दुनिया कुछ करके जाओं, बाद रखें तुम्हें सब दुनिया कुछ करके जाओं ॥



Sopal Stame M. Pharm (SIX) Part-V

Or is it the other way around Hey Buddy!! To Hell !!! What's up? Freshers

How many of you comprehend the term Follower?