



GURUNANAK COLLEGE OF PHARMACY & GURUNANAK TECHNICAL INSTITUTE Nagpur

INDOCTRINATE



NEWSLETTER

Volume: 7

15 June 2013

| | |
|--|-----|
| ➤ Technical Article..... | 2 |
| ➤ Academic Achievements..... | 3 |
| ➤ Events organized | |
| ○ Zenith & Zest 2012-13..... | 4 |
| ○ Think, Create-Tech Pharmacist | 5 |
| ○ Content Updating Training Program | 5 |
| ➤ Educational Tour..... | 6 |
| ➤ Research and Development Activities..... | 7-8 |

Editorial Board

Dr. Vinita Kale (Editor)

Dr. Sheelpriya Walde (Sub-Editor)

Mr. Subhash Yende (Member)

Mr. Keshav Moharir (Member)

gncp_newsletter@rediffmail.com

Technical Article

DAWN OF POST ANTIBIOTIC ERA

Dr. V. A. Kilor

(Associate Professor)

Antibiotics, 'Magic Bullets' or 'Miracle drugs' of modern era, which are very powerful and effective drugs in the fight against infectious diseases. Since last 50 years these drugs have saved millions of lives. But today more and more people are dying from infectious diseases that were curable. World is entering an antibiotic crises. The reason is-certain bacteria are transforming themselves and developing increasing resistance to antibiotics. While some resistant strains remained confined to specific regions, others are spreading rapidly and are creating a situation which is fast becoming a Global public health problem. Situation is so serious that Resistance to antibiotics could bring the end of modern medicine.

General attitude towards antibiotics is very casual. Antibiotics are often prescribed in irrational and inappropriate ways, especially in India and other developing countries. Overprescribing and overuse are seen in public and private hospitals, clinics and pharmacies. They are cheap, easily affordable and can be picked up without prescription.

As a result, every antibiotic ever developed is at risk of becoming useless making once-routine surgical operations impossible. Antibiotic Resistance has taken 100,000 lives in America, 80,000 in China and 25,000 in Europe in a year. More than 80% of some of the most common bacteria are now resistant to Penicillin and Ampicillin. The pharmaceutical industry, large academic institutions or the Government are not investing necessary resources to produce next generation of newer safe and effective antimicrobial drugs due to economic reasons. Drug development pipeline is running dry the world over. In present scenario world is unprepared to cope up with this chief threat to human health. Union Health Minister of India Mr. Ghulam Nabi Azad faced questioning during current budget session at parliament on the rising tide of Antibiotic Resistance in the country, "What if antibiotics do not work anymore?"

As a result efforts are being taken by the health ministry to encourage rational prescribing of antimicrobials and minimize development of resistance of antibiotics in India. The Government has already drafted the rules for amending Drugs and Cosmetic Rules 1945 for insertion of New Schedule H1 containing 91 antimicrobial drugs to ban their OTC sales. The Government has proposed labeling of such formulations with symbol Rx which shall be in red, conspicuously displayed on the left top corner of the label, and shall also be labeled with a Schedule H1 drug –Box warning.

To combat with the situation –

Monitoring of pharmacies is necessary so that antibiotics cannot be sold without prescription. It is necessary to ensure infection control protocols in hospitals. Physician should prescribe appropriate antibiotic to the patient after having reports of pathological tests. It is necessary to initiate documenting prescription patterns and establish monitoring system for the same.

It is required to enforce and enhance regulatory provisions for use of human, veterinary and industries.

All of us need to wake up since we are at the dawn of Post-antibiotic Era.

Mr. D. P. Dharkar delivered a speech on Pharmacy profession - an excellent career option in Lokmat Aspire Education fair – 2013 on 10/06/2013

लोकमत सोमवार

फार्मसी शिक्षणातून गाठा प्रगतीचे शिखर

देवव्रत धारकर : विद्यार्थ्यांना दिला करिअर मंत्र

पर्याय व भविष्यातील संधी यासंबंधात विद्यार्थ्यांना विविध पैलूंची त्यांनी माहिती दिली. टॉक्सिकोलॉजी, फार्मास्युटिकल ज्युरिसप्रुडन्स, औषधांची साठवण व व्यापार व्यवस्थापन, इनऑर्गनिक केमिस्ट्री, फिजिकल केमिस्ट्री, बायोकेमिस्ट्री, टॉक्सिकोलॉजी व औषधनिर्मिती शास्त्रासंबंधी कायदे यांचा अभ्यासक्रमादरम्यान सखोल अभ्यास होतो.

नागपूर : 'लोकमत' अस्पार्यर एज्युकेशन फेअर-२०१३ च्या रविवारी झालेल्या 'फार्मसी प्रोफेशन! ऑन एक्सलेंट करिअर ऑप्शन' या अंतिम सत्रात गुरुनानक कॉलेज ऑफ फार्मसीचे प्राध्यापक देवव्रत धारकर यांनी विद्यार्थ्यांना मोलाचे मार्गदर्शन केले. आजच्या धावपळीच्या युगात औषधांचे महत्त्व फार मोठ्या प्रमाणात वाढले आहे. ही औषधे निर्माण करण्याचे तंत्रशुद्ध प्रशिक्षण देणारा अभ्यासक्रम म्हणजे फार्मसी व त्याच्या माध्यमातून स्वकर्तृत्वाचे विद्यार्थी प्राप्तीचे शिखर गाठू शकतात, असा मूलमंत्र प्रा. देवव्रत धारकर यांनी दिला.

विद्यार्थ्यांच्या भरगच्च उपस्थितीत झालेल्या या मार्गदर्शन सत्रामध्ये 'फार्मसी' विद्याशाखेतील डी.फार्म, बी.फार्म, एम.फार्म. यांच्यासारखे निविगडे अभ्यासक्रम यांच्यातून

खासगी औषध उत्पादन कंपन्या, संशोधन आणि विकास, उत्पादन तपासणी, दर्जा नियंत्रण, औषधांचा पुरवठा, विपणन आणि विक्री अशा अनेक क्षेत्रांत 'फार्मसी' पदविका किंवा पदवीधरांना वाव आहे. फार्मसीसोबतच व्यवस्थापनाची आवड असणाऱ्यांसाठी आता 'एमबीए'चा अभ्यासक्रमदेखील उपलब्ध आहे. योग्य प्रशिक्षणासह जेवढी मेहनत तेवढी प्रगती असे हे चोख क्षेत्र आहे, असे त्यांनी सांगितले. फार्मसी करण्यासाठी कुठल्या पात्रतेची आवश्यकता आहे व व्यवसाय कासा स्थापन केल्या जाऊ शकतो यावरदेखील प्रकाश टाकण्यात आला. यावेळी विद्यार्थी व पालकांनी त्यांच्या मनातील प्रश्न विचारले व प्रा. धारकरांनी सर्व प्रश्नांचे समाधानकारक उत्तरे दिले.

ACHIEVEMENTS

Following students of B. Pharm final year qualified GPAT – 2013 and NIPER – 2013.

| Name of student | GPAT Marks | NIPER Rank |
|-----------------|------------|------------|
| Tanvi Siriah | 177 | 1196 |
| Sanket Bhagwat | 168 | 410 |
| Ankit Sharma | 158 | 1296 |
| Supriya Mishra | 145 | 2035 |
| Vikrant Kamble | 123 | -- |
| Mangesh Raut | 103 | 1783 |

D. Pharm Result

| Year | Academic Topper |
|-------------|---------------------------|
| D. Pharm-I | Mr. Atul Dewani (74.72 %) |
| D. Pharm-II | Ms. Julee Dongre (72.9%) |

Participation in Dance Competition

GNCP & GNTI team participated in intercollegiate dance competition KASHTI-2013, organized by G. H. Raisoni School of Business Management, Nagpur on 18/02/2013.



Republic day celebration: College celebrated 64th Republic day with zeal and zest. The flag hoisting was carried out by Sardar Parshan Singhji Kalsi, Ex MLC and General Secretary of the Sikh Education Society. The function was followed by cultural programme and refreshment for staff and students.

औषधनिर्माणशास्त्र : व्यावसायिक शिक्षणातून प्रगतीचा राजमार्ग

च्या काळात अनेक समस्यांनी सलेल्या भारतीयांनी वेळावेळी या भेडसावत आहेत. मधुमेह, इश या व अशा अनेक आरोग्यसमस्या. जनतेत दिसणारे सामान्य चित्र आहे. आजारांवर मात करण्यासाठी घ्यावी तोंषे आज काळाची गरज झाली न्नावरक अशी ही औषधे निर्माण तंत्रशुद्ध प्रशिक्षण देणारा शास्त्र हा अभ्यासक्रम व्यावसायिक नेत मात्र दुर्लक्षित राहिलेला आहे.

प्रवेशप्रक्रिया

निर्माणशास्त्र हा व्यावसायिक आल इंडिया कॉन्सिल ऑफ टेक्निकल (एआयसीटीई)च्या कक्षेत येत असून, विषय पदवी अभ्यासक्रम (बी. फार्म.) व

दोन वर्षीय पदविका अभ्यासक्रम (डी. फार्म.) या दोन अभ्यासक्रमांचा समावेश आहे. चार वर्षीय पदवी अभ्यासक्रमासाठी १२ वी विज्ञान उत्तीर्ण असणे व एमटीसीईटी परीक्षा उत्तीर्ण असणे आवश्यक आहे. एमटीसीईटी परीक्षा दिली नसेल, तरी व्यवस्थापनाच्या अंतर्गत प्रवेश-प्रक्रियेच्या शेवटी प्रवेश मिळू शकतो.

१२ वी विज्ञान फिजिक्स, केमेस्ट्री, गणित किंवा फिजिक्स, केमेस्ट्री, बायोलॉजी या विषयांत किमान ४० टक्के गुणांसह आरक्षित प्रवेश किंवा ४५ टक्के गुणांसह सर्वसामान्य जागांसाठी प्रवेश मिळू शकतो.

१२ वी विज्ञान ३५ टक्के गुणांसह उत्तीर्ण विद्यार्थ्यांना दोन वर्षीय डी. फार्म. या अभ्यासक्रमात प्रवेश मिळू शकतो.

बी. फार्म. व डी. फार्म. या दोन्ही अभ्यासक्रमात केंद्रीय प्रवेशप्रक्रियेद्वारे प्रवेश

मिळालेला मागामुर्गाय विद्यार्थ्यांना १०० टक्के व इतर मागासवर्गीयांना ५० टक्के, शासनाची शिष्यवृत्ती सवलत मिळते.

अभ्यासक्रमाचे स्वरूप

बी. फार्म. हा चार वर्षीय व्यावसायिक पदवी अभ्यासक्रम असून, नागपूर विद्यापीठात या वर्षापासून सेमिस्टर पद्धतीचा नवा आधुनिक अभ्यासक्रम सुरू केलेला आहे.

या विषयात लेखी व प्रात्यक्षिक असे विविध विषय आहेत. फार्मास्युटिक्स हा विषय औषधनिर्माणशास्त्राचा तंत्रज्ञानावर आधारित आहे. फार्मास्युटिकल ऑर्गेनिक केमेस्ट्री, फार्मास्युटिकल मेडिसिनल केमेस्ट्री, फार्मास्युटिकल अॅनालिटिकल केमेस्ट्री हे

विषय औषध-सायनशास्त्राच्या सखोल अभ्यासासाठी संधिर्त आहेत. फार्माकोलॉजी हा विषय औषधांचा शरीरावर होणारा परिणाम तसेच फार्माकोमांसी हा विषय नैसर्गिक स्रोतांपासून औषधनिर्माण या विषयांशी संबंधित आहे.



वायोजित, सूक्ष्म जीवशास्त्र, बायोटेक्नॉलॉजी, जेनेटिक्स, औषधनिर्माण न्यायशास्त्र (फार्मास्युटिकल ज्युरिसप्रुडन्स) औषधनिर्माण व्यवस्थापनशास्त्र (फार्मास्युटिकल मॅनेजमेंट), औषध दर्जा निश्चितीशास्त्र (क्वालिटी ऑर्युन्स) अशा विविध विषयांच्या सखोल अभ्यासाने विद्यार्थ्यांना आरोग्य व औषध शास्त्राचे सखोल

ज्ञान मिळून त्यांचा सर्वांगीण विकास होतो.

अभ्यासक्रमांतर्गत

विविध संधी

दोन वर्षीय पदविका अभ्यासक्रम आज औषधी दुकानाच्या परवान्यासाठी आवश्यक आहे.

चार वर्षीय पदवी अभ्यासक्रमांतर्गत विविध औषधी कंपन्यांमध्ये प्रॉडक्शन, क्वालिटी कंट्रोलमध्ये रोजगार संधी उपलब्ध आहेत. शिवाय बी. फार्म.नंतर दोन वर्षीय डी. फार्म. अभ्यासक्रमालाही शिक्षक म्हणून मान्यता मिळते.

चार वर्षीय बी. फार्म. हा अभ्यासक्रम अभियांत्रिकी समकक्ष असून, दोन वर्षीय पदव्युत्तर एम. फार्म. ही पदवी घेतल्यास विविध औषध कंपन्यांमध्ये रिसर्च व डेव्हलपमेंट वैज्ञानिक म्हणून उत्तम संधी मिळते.

दोन वर्षीय पदव्युत्तर एमबीए व फार्मास्युटिकल एमबीए या पदवीने मॅनेजमेंट क्षेत्रात उत्तम संधी मिळतात. एम. फार्म. अभ्यासक्रम पूर्ण केल्यानंतर विविध पदवी (बी. फार्म.) अभ्यासक्रम असलेल्या महाविद्यालयात प्राध्यापक म्हणून काम करता येते. तंत्रशिक्षण अभ्यासक्रम असल्यामुळे त्यासाठी नेटसेट परीक्षा उत्तीर्ण करण्याची गरज नसते.

बी. फार्म.नंतर जीपीएटी ही परीक्षा उत्तीर्ण झाल्यास एम. फार्म. अभ्यासक्रमासाठी केंद्र सरकारची शिष्यवृत्तीही मिळते.

असे हे औषधनिर्माणशास्त्र अभ्यासक्रम आजच्या काळात व्यावसायिक शिक्षणातून प्रगतीचा राजमार्ग साधणारे आहेत. हे सर्वना कळावे म्हणून हा लेखप्रबंध.

प्रा. देवव्रत प्रमोद धारकर
९८२३३६९८२८

EVENTS

Zenith & Zest 2012-13



The Annual social gathering “Zenith” and Sports Events “Zest” was held from 26/ 01/2013 to 31/01/2013. The event was inaugurated by Sardar Parshan Singhji Kalsi, Ex MLC and General Secretary of the Sikh Education Society and Dr. A. M. Ittadwar, Principal, GNCP, Nagpur. During gathering, students participated in competitions like debate, quiz, singing, fashion show, treasure hunt, solo dance, group dance, skit, antakshari in large number. Different group and individual sports like chess, table tennis, throwball, badminton, cricket, volleyball, treasure hunt, carrom etc were conducted. Students were awarded with Winner, Runner and Consolation prizes. The gathering ended with enthusiastic note and students danced to the beat of live music.



Think Create -Tech Pharmacist



Department of Pharmaceutics organized the event Think Create -Tech Pharmacist (Love 4 Pharmaceutics), under which Working model competition was conducted.

Working Model Competition for D.Pharm, B. Pharm and M. Pharm students was held on 09/02/2013 in the College Auditorium. Total 33 students comprising 13 teams participated in the event. Dr. A. M. Itadwar was Chief Patron while Mr. Sulabh Khandelwal, Innova Labs, Nagpur was Jury for the competition.

Students displayed their working models with detailed explanation of mechanism of working and pharmaceutical utility of their models. Team of Mr. Amit Khandagade and Mr. Chetan Tapre of M.Pharm 2nd year won first prize while second prize was bagged by team of Ashutosh Singh, Nishant Jain and Swapnil Samrutwar from M.Pharm 2nd year. Parikshit Tiwari, Rahul Pandey and Himanshu Purohit of B.Pharm 3rd year won consolation prize. The programme concluded with vote of thanks.



Content Updating Training Program

Gurunanak Technical Institute conducted "Content Updating Training Program" sponsored by MSBTE, Mumbai under title 'Designing of Modules beyond Curriculum to Enhance Employability' for the faculty of D. Pharm institutes on 18/02/2013 to 22/02/2013. The function was inaugurated by Shri Gulabrao Thakre, Joint Director, Technical Education Regional Office, Nagpur and Sardar Parshan Singhji Kalsi, Ex-MLC and Gen. Secretary, Sikh Education Society, Nagpur. Mr. Ashwinkumar Pathak presided over as a coordinator and Mr. S. A. Khandalkar as a co-coordinator for the program. Total 20 delegates from various colleges of Maharashtra participated and 11 experts contributed their thoughts in the form of lecture in programme.

Mr. B. S. Sarda, CEO, MediGrace, Healthcare Advertising & Training, Nagpur, Dr. K. Deoghare, Institute of DMLT, Nagpur and Dr. A. M. Itadwar were dignitaries in valedictory function.

Educational Tour

KANYAKUMARI-KERALA

An educational tour for B. Pharm students was organized between 18th to 27th December 2012 to Kanyakumari - Kerala. 10 staff members with 52 students visited Kanyakumari, Tamilnadu and various natural and historical sites in Kerala. The places visited includes Padmanabham temple and Kovalam beach at Thiruvananthapuram, Backwaters at Alleppey (Aalpuza), Echo point, rose garden, drug garden and waterfall at Munnar, and Ernakulum.



RAMTEK-NAGARDHAN

One day pic-nic for B. Pharm II and III year students was organized to various places nearby Ramtek in Nagpur district, on 28th Dec. 2012. The places visited were 7th century Nagardhan Fort of Vakataka's, situated 7 km away from Ramtek, Gad-Mandir of lord Rama at Ramtek, Raj-Kamal Resort at Khindasi Lake and Ram-dham Park at Mansar. Four staff members with 58 students enjoyed the pic-nic.



ALIBAUG-JANJIRA

A personality development tour to various places in Konkan region was organized for M. Pharm students. Places visited were Gate way of India in Mumbai and Alibaug fort, Nagaon beach, Kashid beach, Janjira fort, Kihim beach, Sasawane beach at Raigarh district. Around 23 students with 6 staff members were part of this tour and students did rock climbing, sea surfing in the fort and beaches of Nagaon and Khashid.



RESEARCH & DEVELOPMENT ACTIVITIES

Students

- All M. Pharm-I (Pharmaceutics) students attended One Day Workshop on Research Methodology, held at Dadasaheb Balpande College of Pharmacy, Besa, Nagpur on 16/02/2013.

Faculty

Publication



Mr. Subhash R. Yende published e-book entitled 'Herb - Drug Interaction: A study of drug interaction between Synthetic anticonvulsant agents and *Acorus calamus*, a Herbal Neuroprotective' in LAP LAMBERT Academic Publishing, AV Akademikerverlag GmbH & Co. KG, Saarbrücken, Germany.
ISBN: 978-3-659-39393-8

- Sameer Asole, Atul Padole, Mitali Bodhankar. Emerging Trends in Bilayer Tablet Technology: Review, Int. J. Pharm. Sci. Rev. Res., 20(1), May – Jun 2013; 07, 34-39.

Presentation

- Mr. S. R. Yende, Mr. V. B. Pande and Mrs. M. K. Bhurchandi presented article entitled 'Antidepressant like effect of ethanolic and chloroform extract of *Sargassum ilicifolium*, A brown algae in mice' in 45th Annual Conference of Indian Pharmacological Society -IPSCON 2012, held at Vanamati, Nagpur on 06/01/2013.
- Mrs. P. S. Adhaoo presented paper on 'Neuroprotective effect of suramin against aluminium Chloride induced cognitive dysfunction in rats' in 45th Annual Conference of Indian Pharmacological Society -IPSCON 2012, held at Vanamati, Nagpur on 05/01/2013- 07/01/2013.

Lecture Delivered

- Dr. N. P. Sapkal and Dr. V. A. Kilor participated in 5th International Conference on Drug Discovery & Therapy held at Dubai as speaker on 18/02/2013 to 21/02/2013.
- Dr. V.V. Kale delivered lecture in One Day Workshop on Research Methodology, held at Dadasaheb Balpande College of Pharmacy, Besa, Nagpur on 16/02/2013.
- Dr. V. V. Kale delivered lecture in MSBTE sponsored Content Updating Program on Designing of Modules Beyond Curriculum to Enhance Employability on topic 'Content Updating of D. Pharm Syllabus' held at GNTI, Nagpur on 21/02/2013.
- Mrs. M. M. Bodhankar, Mr. D. P. Dharkar and Ms. S. S. Yadav delivered lecture in MSBTE sponsored Content Updating Program on Designing of Modules Beyond Curriculum to Enhance Employability held at GNTI, Nagpur from 18/02/2013 to 22/02/2013.

QIP/ SDP attended

- Mr. G. A. Gurunani and Mr. K. B. Bhelkar attended Quality Improvement Program on Research Methodology held at S.G.G.S. Institute of Engineering and Technology, Nanded from 11/03/2013 to 15/03/2013.
- Ms. S. S. Yadav attended AICTE sponsored QIP on Traditional Knowledge and Newer Approaches in Herbal Formulations organized by KLE's College of Pharmacy Belgaum, Karnataka from 25/03/2013 to 30/03/2013.
- Mr. G. A. Gurunani, Mr. K. B. Bhelkar and Mr. A. H. Deshpande attended Quality Improvement Program on Total Quality Management held at G. H. Raisonni College of Engineering, Nagpur from 22/04/2013 to 26/04/2013.
- Mr. G. A. Gurunani and Mr. K. B. Bhelkar attended Faculty Development Program on Drug Delivery System: Preformulation to Industrial Development, held at Bansal College of Pharmacy, Bhopal from 03/06/2013 to 15/06/2013.

Seminar/Conference/Workshop/ attended

- Mr. S. R. Yende participated in one day pre-conference workshop on Techniques in Surgical and Behavioral Pharmacology at 45th Annual Conference of Indian Pharmacological Society IPSCON 2012, organized by SKB college of Pharmacy, Nagpur on 04/01/2013.
- Mr. S. R. Yende, Mr. V. B. Pande, Mrs. M. K. Bhurchandi and Mrs. S. R. Walde attended 45th Annual Conference of Indian Pharmacological Society -IPSCON 2012, held at Vanamati, Nagpur from 05/01/2013 to 07/01/2013.
- Mrs. S. V. Naidu, Mrs. P.S. Adhadoo, Mr. V.S. Patil and Mr. A.M. Ubgade participated in Content Updating Training Program on "Designing of Modules Beyond the curriculum to Enhance the Employability" from 18th - 22nd Feb 2013 held at Gurunanak Technical Institute Nagpur.
- Mrs. P.S. Adhadoo attended soft skill training program organized by Govt. Polytechnic, Nagpur on 25th to 28th Feb 2013.

GURUNANAK COLLEGE OF PHARMACY

&

**GURUNANAK TECHNICAL
INSTITUTE**



Near Dixit Nagar, Behind C. P. Foundary,
Nari, Kamptee Road, Nagpur - 440026 (M.S).

E- mail: gncp2004@yahoo.com
gnti1983@yahoo.com

www.gurunanakcollegeofpharmacy.com

