



# GURUNANAK COLLEGE OF PHARMACY

## Nagpur

# INDOCTRINATE



## NEWSLETTER

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# TARGETED THERAPY IN ONCOLOGY: HOW SAFE IS IT?

Dr. Mrs. Sheelpriya Walde

New safety information on a drug continues to emerge even long after its marketing approval which was based on safety and efficacy studies. The pre-approval trials, though conducted in increasingly large number of patients these days, it is often not possible to detect certain adverse events (AEs) until drugs have reached the market and have been used by patients for extended period of few years thereafter. This is because these AEs are rare or come under observation only when exposure occurs in a more heterogeneous population outside of controlled trials or extended use reveals long term toxicity.

Treatment of cancers is fraught with side effects, although vast improvement has been made in the survival using traditional treatment; a plateau has been reached as far as the safety is concerned. Monoclonal antibodies had been devised with the promise of further gains in survival in cancers including some previously refractory to traditional chemotherapeutic agents, but they are also not devoid of side effects. The different mechanism of action attracts unique toxicities, which are yet to be characterized and at present are difficult to predict for an individual or a population.

Though there are more than a dozen established monoclonal antibodies as chemotherapeutic agents, there are several times of these numbers of agents in pipeline. Hence this opens an altogether new group of Adverse Drug Reactions. Few widely used monoclonal antibodies and their ADRs are discussed.

### **Bevacizumab**

Angiogenesis is an inherent property of cancers. The concept of targeting the developing vascular supply of tumour (antiangiogenic therapy) was introduced by Folkman in 1971. He suggested an antibody against tumour angiogenesis factor, an entity which stimulates blood vessel formation in newly establishing factors and vascular endothelial growth factor (VEGF) have been identified and cloned. A receptor for VEGF on the surface of endothelial surface has been identified. Bevacizumab is a targeted monoclonal antibody against VEGF.

Bevacizumab has been used as a single agent and in combination with chemotherapy in various cancers including colon cancers, lung cancers, breast cancers, renal cancers, etc. the common toxicities noted with Bevacizumab include. Increased risk of bleeding, impaired wound healing, bowel perforations, thrombo embolic phenomenon, pulmonary embolism and sudden death.

Some cases of confirmed and possibly reversible Posterior leuko Encephalopathy Syndrome have been reported in patients treated with Bevacizumab. The presentation is usually with headache, seizure, visual disturbance and altered mental function and characterized by reversibility upon control of hypertension or other instigating factor. MRI is needed to confirm the diagnosis.

### **Rituximab**

It is the first monoclonal antibody to be licensed for treatment of cancer when it was approved as a single agent for the treatment of relapsed and refractory indolent NHL in 1997. It is the Corner stone of B-cell NHL there by particularly in combination of chemotherapy. The ADR's include mild to moderate infusion related reactions long term clinically significant ADR's are reported.

### **Trastuzumab**

It is a humanized monoclonal antibody against Human Epidermal Growth factor 2 (HER 2) which is associated with clinically aggressive disease and a poor prognosis. Most common ADR's of Trastuzumab are infusion related symptoms such as fever and chills etc. other serious ADR's include cardiac events such as ventricular dysfunction and congestive heart failure, severe hypersensitivity reaction and pulmonary events such as pulmonary infiltrates, pneumonitis, pulmonary fibrosis, pleural effusion, respiratory symptoms.

### **Cetuximab**

Colorectal carcinoma is one of the most common malignancy and 2<sup>nd</sup> leading causes of human related death. Importance of epidermal Growth factor Receptor (EGFR) associated signaling in different stages of CRC is well studied. Cetuximab binds selectively to EGFR and completely inhibited endogenous ligand binding. By preventing the binding of EGFR of transforming growth factors- $\alpha$ , cetuximab inhibits receptor activation and associated downstream intracellular signaling.

The toxicity of cetuximab includes acne like rash, asthenia, abdominal pain, nausea & vomiting.

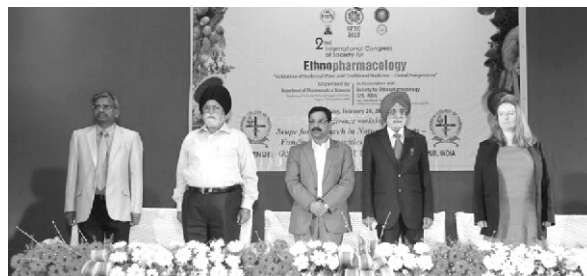
Adverse drug reactions (ADR) are now globally recognized as an important cause of morbidity and mortality and make a significant contribution to national health costs. They have been clearly characterized as different types depending on their nature and course of development. Irrespective of their etiology, the ones remain on strategies adopted to predict, prevent and manage such ADR related problems, which helps to rationalize drug therapy to improve the pharmaco-economic scenario.

## ACHIEVEMENTS

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

Name of student	GPAT Score
Mr. Ritesh Dode	172
Mr. Himanshu Prajapati	160
Ms. Isha Sohale	141
Ms. Shruti Humane	140
Mr. Karan Sohandani	133
Ms. Radhika Ratti	129
Mr. Karan Parwe	126
Ms. Rashi Gupta	125
Ms. Sneha Arkhel	119
Ms. Poonam Sahare	108
Ms. Madhuri Ramteke	102
Ms. Sneha Nagdeve	100

## Pre-Conference Work-Shop of 2<sup>nd</sup> International Congress of Society for Ethnopharmacology (SFEC - 2015)



The second International Congress (SFEC - 2015) of the Society for Ethnopharmacology, India (SFE-India) was organized by Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India during February 20-22, 2015 with the theme "Validation of Medicinal Plants and Traditional Medicine – Global Perspectives".

Before the Congress, a series of Preconference Workshops on Natural Product Research were organized. The first section was carried out at Gurunanak College of Pharmacy, Nagpur on the theme "Scope for Research in Natural Products, Funding Opportunities and Publication". Dr. M. Heinrich, Editor, Journal of Pharmacy & Pharmacology, Dr. A. Jager, Associate Editor, Journal of Ethnopharmacology, Denmark, Dr. T K. Mukherjee, Ex-Editor, Indian J. Traditional Knowledge, CSIR-NISCAIR, India delivered their lectures on how to write good quality papers and made aware about the funding opportunities in Natural Product Research.

The workshop took place in Sardarni Param jeet Kaur Kalsi Auditorium. Principal, Staff and students took efforts to make program a grand success.

## Republic day celebration:

College celebrated 65<sup>th</sup> 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.



## Sports News

- College students participated in cricket tournament organized by Balpande college of pharmacy, Besa, Nagpur on 10-11 Jan, 2015 and won 3 matches. Man of match was awarded to Mr. Himanshu Prajapati, (B. Pharm IV)
- Students of GNCP participated in cricket tournament organized by RTM Nagpur University and won 3 matches played on 24/09/2014, 07/10/2014 and 10/10/2014.
- College team also participated in Badminton tournament organized by RTM Nagpur University at Krida Sankul Nagpur, dated 24 to 26 Sep 2015,
- Mr. Rohit Kumar (B.Pharm III) participated in Boxing competition organized by RTMNU, Nagpur.
- GNCP Football team played against St. Vincent palloti Engineering college nagpur on 20 Feb 2015.



## ACCOLADES

✳ **Dr. Vinita Kale**, HOD and Head, Department of Pharmaceutics, GNCP, are invited for oral presentation of paper titled "Use of Foam in Top-Spray Fluidized Bed Granulation: Effect of Variables on Granules Quality Attributes" in 7<sup>th</sup> Granulation Workshop 2015, 1st-3rd July at The University of Shieffield, UK.

✳ **Mr. Nitesh Gehani** and **Mr. Sangam Bawankar** of D. Pharm II stood runner up in badminton competition organised by Inter Engineering Diploma Students Sports Association, Pune (IEDSSA), Nagpur held at Mahatma Jyotiba Fule Krida Sankul, Rana Pratap Nagar, Nagpur on 8<sup>th</sup> Jan, 2015.

## Farewell Program

Farewell Programme for final year students of B.Pharm was organized on 6 April 2015. Games and activities were conducted. Mr. Pradip Dugane and Ms. Roshni Kunte were selected as Mr. GNCP and Miss GNCP. Dr. A.M. Itadwar, Principal, Gurunanak College of Pharmacy expressed his views on the occasion. Entire staff and students wished all the final year student for their future endeavours.

Farewell programme for M. Pharm final year students was organized on 31 March 2015.



# EVENTS

## Zenith & Zest 2014-15

The Annual social gathering “**Zenith**” and Sports Events “**Zest**” was held from 23/01/2015 to 31/02/2015. ‘**Zenith 2015**’ was inaugurated at 3.00 pm on 29/01/2015 by Hon. **Mr. Ashok V. Giri**, Joint Commissioner, Food and Drug Administration, Nagpur and **Dr. A. M. Ittadwar**, Principal, GNCP, Nagpur. During gathering, Students participated in different sports and cultural events organized and were awarded with prizes. The gathering ended with enthusiastic note and students danced to the beat of live music. Winners in various competitions were as follows:



Event	Winner/Runner (Class)	Name of Student/Staff Member
Cricket Boys	Winner (B.Pharm III)	Manmay Makkad, Shubham Dhotarkar, Ajinkya Virgamwar, Gaurav Jain, Ankush Sen, Chetan Pokar, Hitesh Dewani, Shivam Wankhede, Rohit Kumar, Vaibhav Nagpure, Karan Parwe, Prashik Ramteke
	Runner (B.Pharm IV)	Pradeep Dugane, Himanshu Prajapati, Abhishek Gupta, Sagar Ghuge, Nitin Ramdham, Manish Vidhani, Ritesh Dode, Yash Ramani, Sushil Borkar, Nakul Farkade, Karan Sohandani, Pravin Kakde
	Man of the Match	Manmay Makkad (B. Pharm III)
	Man of the Series	Pradeep Dugane (B. Pharm IV)
Cricket Girls	Winner (B.Pharm IV)	Roshni Kunte, Archana Pal, Manju Nair, Monika Ramgadiya, Charulata Chetule, Rasika Rangari, Snehal Pimpalshende, Pooja Gour, Balbeer Kaur Misson, Pooja Hemane, Sneha Nagdeve, Shraddha Ludhekar
	Runner (B.Pharm III)	Vinita Manwatkar, Dhara Lodaya, Neha Tekam, Neha Riyal, Anmol Shahu, Kiran Yadav, Bhagyashri Adwani, Barkha Shahu, Akanksha Nagdeve, Rovina Wadhwani, Amandeep Kaur Dhillon, Kalyani Khune
	Woman of the Match	Monika Ramgadiya (B. Pharm IV)
	Woman of the Series	Monika Ramgadiya (B. Pharm IV)
Throw Ball	Winner (B.Pharm III)	Vinita Manwatkar, Dhara Lodaya, Neha Riyal, Neha tekam, Barkha Shahu, Anmol Shahu, Kalyani Khune, Rovina Wadhwani
	Runner (B.Pharm IV)	Archana Pal, Roshani Kunte, Manju Nair, Monika ramgadiya, Charulata Chetule, Sneha Arkhel, Balbeer Kaur Misson,
Volley Ball	Winner (D.Pharm II)	Salman Khan, Sangam Bawankar, Nitesh Gehani, Sagar Dhole, Sachin Dongre, Akshay gawali, Kuldeep Shahu
	Runner (B.Pharm I)	Pratik Dhamankar, Mayur Patil, Amit Naxine, Shabbir Zariwala, Yogendra Jamaiwar, Sanjay Jain, Nikhil Sonkusare
Tug of War	Winner (B.Pharm II)	Rahul Kriplani, Satnam Singh Khokar, Sachin Asnani, Swapnil Deshmukh, Rahul Langde, Simranpreet Bajaj, Vaishnav Borkar, Zahan Panjwani
	Runner (D.Pharm I)	Lokesh Neware, Abhishek Sayare, Swapnil Sukhdeve, Shoeb Mohammad, Bilal Athar, Intesham Ur-Rahim, Chandraprakash Gupta
Chess (Girls)	Winner (B.Pharm IV)	Monika Ramgadiya
	Runner (D.Pharm I)	Yogita Radake
Chess (Boys)	Winner (Faculty)	Dr. Sumeet Arora
	Runner (B.Pharm I)	Naresh Khilwani
Carrom (Girls)	Winner (B.Pharm III)	Vinita Manwatkar
	Runner (B.Pharm I)	Komal Gupta
Carrom (Boys)	Winner (D.Pharm I)	Akshay Dakhore
	Runner (D.Pharm II)	Jitendrakumar Chapale
Carrom Doubles (Girls)	Winner (B.Pharm III)	Vinita Manwatkar, Shruti Ukey
	Runner (B.Pharm IV)	Monika Ramgadiya, Reena Karadmare
Carrom Doubles (Boys)	Winner (D.Pharm II)	Ranjit Patil, Kshitij Gillurkar
	Runner (D.Pharm I)	Akshay Dakhore, Abhishek Sayre

Badminton Singles (Girls)	Winner (D.Pharm II)	Bhumika Paserkar
	Runner (B. Pharm III)	Roshani Kunte
Badminton Singles (Boys)	Winner (M.Pharm II)	Dipraj Tayade
	Runner (B. Pharm IV)	Pradeep Dugane
	2 <sup>nd</sup> Runner (B. Pharm IV)	Abhishek Gupta
Badminton Doubles (Boys)	Winner (B. Pharm III)	Shubham Dhotarkar, Ankush Sen
	Runner (Faculty)	Mr. Govind Lohiya, Mr. Alok Ubgade
Badminton Doubles (Girls)	Winner (B. Pharm IV)	Roshni Kunte, Monika Ramgadiya
	Runner (B. Pharm IV)	Manju Nair, Charulata Chetule
Table-Tennis (Boys)	Winner (B. Pharm III)	Shantanu Kurzadkar
	Runner (B. Pharm III)	Manmay Makkad
Table-Tennis (Girls)	Winner (B. Pharm IV)	Roshni Kunte
	Runner (B. Pharm III)	Prachi Ramteke
Dance (Solo)	Winner (M. Pharm II)	Ankit Sharma
	Runner (B. Pharm IV)	Mansi Shukla
	2 <sup>nd</sup> Runner (M. Pharm II)	Pallavi Lonare
Dance (Duet)	Winner (M. Pharm II)	Ankit Sharma, Supriya Mishra
	Runner (D. Pharm II)	Sachin Jambhulkar, Ashwini Sarve
Dance (Group)	Winner (M. Pharm )	Ankit Sharma, Nikita Kapgade, Supriya Mishra, Ashwini Nampalliwar, Snehal Itankar, Himanshu Purohit, Dipika Kalambhe, Bhagyashri Borade
	Runner (B. Pharm I)	Asawari Navghare, Shital Agashe, Priya Vaswani, Shivani Helchel, Kanchan Dhole, Pallavi gadpayale, Yogita Jain, Taranpreet Kaur, Harshali Shende
Debate	Winner (D. Pharm II)	Vipul Sobti
	Runner (D. Pharm II)	Nancy Godhani
	2 <sup>nd</sup> Runner (B. Pharm III)	Ankita Hulde
Rangoli	Winner (B. Pharm IV)	Roshani Kunte
	Runner (D. Pharm I)	Ranjana Nikhare
	2 <sup>nd</sup> Runner (M. Pharm II)	Supriya Mishra
Mehandi	Winner (B. Pharm I)	Yogita Jain
	Runner (B. Pharm III)	Vinita Manwatkar
	2 <sup>nd</sup> Runner (D. Pharm I)	Pallavi Kadukar
Singing	Winner (B. Pharm II)	Nishigandha Pawar
	Runner (B. Pharm III)	Vinita Manwatkar
Fashion Show	Winner (M. Pharm I)	Himanshu Purohit, Dhananjay Sheshkar, Shreyas Dupare, Bhagyashri Borade, Ashwini Nampalliwar, Ashwini Sharma, Ankit Sharma, Supriya Mishra, Deepika Kalambhe, Tushar Gupta, Snehal Itankar
	Runner (B. Pharm II)	Shivani Dani, Deepti Bhagchandani, Najish Qureshi, Shraddha Shahu, Sucharita Sankade, Harmandeep Mantri, Trushna Jamgade
	Best Model (Boy)	Piyush Hasnani (D. Pharm II)
	Best Model (Girl)	Nausheen (D. Pharm II)
Drama	Winner (B. Pharm III)	Ankita Hulde, Nidhi Jaiswal, Roshan Shahu, Sonal Shahu, Sheril Jacob Zacharias, Ankita Waghmare, Dipti Dalwani, Deepa Singh, Shruti Ukey, Achal Larokar, Akanksha Nagdeve, Dhanashree Tandulkar
	Runner (B. Pharm IV)	Abhishek Gupta, Pradip Dugane, Sagar Ghuge, Sushil Borkar, Nitin Ramdham, Nakul Farkade
Painting	Winner (D. Pharm II)	Chaitali Meshram
	Runner (D. Pharm I)	Ranjana Nikhare
	2 <sup>nd</sup> Runner (B. Pharm I)	Lukesha Zade
Photography (Selfie)	Winner (M. Pharm II)	Akshay Jha
	Runner (B. Pharm II)	Nikhil Chawala
Photography (Relation)	Winner (M. Pharm II)	Ankit Sharma
	Runner (M. Pharm II)	Supriya Mishra

## Educational Tours

### Industrial Tour to Hyderabad



An educational tour with industry visit was organized to Hyderabad for B. Pharm students on 8-12 Jan, 2015. Dr. S. B. Waikar, Dr. Mrs. N. P. Sapkal, Dr. Mrs. V. A. Kilor, Mr. K. S. Moharir and Mr. T. M. Rasala accompanied by 48 students took benefit of this. In this the crew visited research and development centre of Mylan Laboratories Ltd. Hyderabad (Formerly known as Matrix Laboratories Ltd.) and they have observed various processes in R & D section.

The personnel from analytical, formulation & development and human resource department provided hands on training on technical aspects and overview of the R & D in pharmaceutical industry such as ANDA, product development, R & D, technology transfer, scale up activities, validation, intellectual properties, regulatory affairs and bioequivalence studies. The team also guided in the career aspects and opportunities to the students.



### Hospital Visit to Govt. Medical College, Nagpur

Students of D. Pharm II visited Govt medical college, Nagpur on 22<sup>nd</sup> Jan, 2015. Dr. Prashant Patil and Dr. Chakravarty guided the student about hospital organization, various departments of hospital and and Drug store. Mrs. S. V. Naidu, Dr. S. K. Arora and Mrs. P. S. Shrikhande accompanied and clarified the queries of students. In all 60 students took benefit of this event.

### Health Check-up Program

Regular health check-up of diploma students was conducted on 01/01/2015 by Dr. Ratankar Walde.

### Staff Recreation Picnic

Recreation picnic to the scenic beauty place: Surabuldi situated at 17 km away from Nagpur was organized on 2<sup>nd</sup> Feb, 2015. Teaching staff members of GNCP & GNTI actively participated in this.



### Picnic to Fun n Food Village

A one day picnic was conducted on 13<sup>th</sup> Jan, 2015, for B. Pharm I year students to Fun'n'Food Village, water park situated at Bazargaon, Dist. Nagpur. A group of 52 students accompanied by Mr. K. B. Bhelkar and Mrs. S. A. Ubgade enjoyed various rides in water park as well as amusement park.



### Industrial Visit to Lupin Pharmaceuticals

Industry visit for D.Pharm students was organised from 09/02/2015 to 11/2/2015 to "Lupin Pharmaceuticals" Aurangabad Mr. V. S. Patil and Mrs. S. V. Naidu with 53 students visited industry.



### Industrial Visit to Wama Pharma, Nagpur

An industrial visit was organised at VAMA pharma, Nagpur for diploma students on 09/02/2015. Fifty students along with staff members Mr. A. M. Pathak, Mr. A. M. Ubgade, Mrs P. S. Shrikhande visited the industry.



### Model Making Competition

Annual working model competition was held with great zeal and fervour on 20<sup>th</sup> Feb, 2015 under the aegis of 'Think Create TechPharmacist'. The competition was open for diploma, degree and postgraduate students from college. In all 12 teams comprising of 36 students participated and presented different models with their potentials for use and applications.

**Prof. Prashant P. Hole**, Professor, Deptt. of Electrical Engineering, Laxminarayan Institute of Technology, Nagpur presided over as judge of the competition

Award Winning participants of this competition are:

First Prize: Mr. Krishnakant Chhangani, Ms. Shital Agashe, Mr. Paras Kothari, Mr. Pranav Kulkarni, Ms. Bhavika Mukhi (B. Pharm I)

Second Prize: Ms. Shweta Bagadade,

Mr. Nitin Ramdham (B. Pharm IV)

Third Prize: Mr. Karan Parwe, Mr. Saurabh Kanfode,

Mr. Sheril Jacob Zacharias (B. Pharm III)

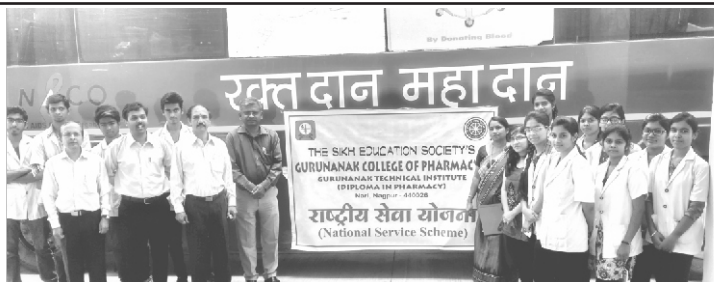


### Blood Donation Camp

A blood donation camp was conducted by Gove.

Medical College and Hospital, Nagpur at GNCP on 7<sup>th</sup>

April, 2015. In this event 19 units of blood was collected from students and staff of college.



### Training Program on Analytical Instruments

A training program was organized on 19<sup>th</sup> March, 2015 in collaboration with **Toshvin Analytical Pvt. Ltd, Mumbai** for the students, Technical staff and faculty of Gurunanak College of Pharmacy. **Mr. R. Girijan**, a renowned faculty of Toshvin explained the basic concepts of FTIR and UV spectroscopy. He also discussed various applications of these techniques in the first session of the program.

In the second session, hands on training was given by **Mr. Nilesh Pednekar**, Manager, Toshvin Analyticals on FTIR and UV spectrophotometer. He taught the use and maintenance of these instruments. A list of Dos and Don'ts was also discussed. The objective of this program was to train students in the use and maintenance of these instruments. The program was well received by students and staff alike.

### GUEST LECTURES

- **Dr. K.W. Deoghare**, Adv. V.R. Manohar Institute of DMLT, Nagpur delivered a guest lecture on the topic "Problems in Adolescents" on 10 Jan 2015.
- **Dr. G.D. Basarkar**, Professor, Deptt. of Pharmaceutics, S.N.J.B. College of Pharmacy, Chandvad (Nashik), delivered a guest lecture on the topic "Technology Transfer in Pharmaceutical Industries" on 24 Mar 2015.
- **Mr. Prabjot singh Dadiayala**, Field Search Officer, Intas pharmaceutical limited, Nagpur delivered guest lecture on "Pharmaceutical marketing skills" for D.Pharm II<sup>nd</sup> year students on 10/01/2015.
- **Mr. A.H. Deshpande**, Assistant professor, GNCP, Nagpur delivered guest lecture on topic "Medical transcription" for D. Pharm II<sup>nd</sup> year students on 05/01/2015.
- **Dr. M.M. Bodhankar**, Assistant professor, GNCP, Nagpur delivered guest lecture on topic "Entrepreneurship" for D. Pharm II students on 21/01/2015.
- **Dr. N.P. Sapkal**, professor, Dept of chemistry delivered guest lecture to students of GNTI on topic "Pharmaceutical industry – An inside story" for diploma students on 14/2/2015.
- **Dr. S. D. Pankule**, Sr. Lecturer, Adv. V. R. Manohar inst. of DMLT, Nagpur delivered guest lecture on topic "Soft Skill" for D.Pharm students on 02/01/15.

### Presentations by Students:

- **Sharma Ashwini**, Sharma Abhishek, **Shahu Payal**, Panchal Sunil presented a poster on Community use of nutraceuticals in Nagpur, India at International Conference on Recent Advances in Research & treatment of Human Diseases, as a part of 4th annual meeting of Indian Academy of Biomedical Sciences on 9-11 Jan, 2015 held at Hyderabad.
- **Vipul Sobti**, D. Pharm II delivered oral presentation on topic "Self medication and its impact on society" in MSBTE sponsored technical paper presentation competition at Anurag college of diploma in pharmacy, Warthi, on 13/2/2015.
- **Vipul Mathure**, D. Pharm II delivered oral presentation on topic "Role of pharmacist in patient counselling" in MSBTE sponsored technical paper presentation competition at Anurag college of diploma in pharmacy, Warthi, on 13/2/2015.

## RESEARCH & DEVELOPMENT ACTIVITIES

### Research Paper Publications

- Minal Bonde, **Nidhi Sapkal**, Anwar Daud. Full factorial design, physicochemical characterization of phenylephrine HCl loaded oral thin film. Asian Journal of Pharmaceutics. 2015;9(2):137-145.

### Oral Presentations

- **Sapkal NP**, Bonde M, Daud AS. Herbal extracts in thin film based drug delivery system: Formulation development study. 2<sup>nd</sup> International Congress of society for ethnopharmacology, Feb 20-22, 2015, Nagpur.
- **Vaishali Kilor, Reshma Gavate, Nidhi Sapkal**. Designing of analytical methods for standardization of iron based Indian Traditional formulation: Mandur Bhasma. 2<sup>nd</sup> International Congress of Society for Ethnopharmacology, Nagpur, held on February 20-22, 2015
- **Dr.S.K.Arora** delivered oral presentation on topic “Antirheumatic potential of Chenopodium Album : Modulation by NF kappa B” in 2<sup>nd</sup> international conference of Ethnopharmacology on 21<sup>st</sup> feb 2015 held at Nagpur.

### Paper Presentations

Paper Presentations at 2<sup>nd</sup> International Congress of Society for Ethnopharmacology-Feb 20-22, 2015, Nagpur:

Sr. No.	Name of Participants	Title of Paper
01	Tilloo SK, Tade RS, Gurav S, Hate S.	Pharmacological screening of <i>Melilotus alba</i> for anti-inflammatory activity in rats
02	Sapkal NP, Injmurwar Ganesh, Thakur AV	Analytical Method development of anticancer isoflavones
03	Sapkal NP, Mugale V	Profiling & quantification of impurities in hesperidin using HPLC-PDA & HPLC-MS technique
04	Sapkal NP, Kilor VA, Sahare K, Kalambe D	Preformulation study of Hesperidin: a vasotonic
05	Kapgate Nikita, Dawande Anmol, Waikar Shekhar, Kilor Vaishali	Anti-acne preparation of Rubiadin rich fraction of <i>Rubia Cordifolia</i>
06	Lonare Pallavi, Bramhe Neeta, Kilor Vaishali	<i>sativum</i> seed mucilage: an excellent tablet binder
07	Tabassum Naaz, Dawande Anmol, Waikar Shekhar, Kilor Vaishali	Topical anti-acne formulation containing flavonoids extracted and isolated from <i>Tephrosia purpuria</i>
08	Pande VB, Tilloo SK, Deshbhratar KD, Gurav N	Antiinflammatory potential of Boswellic acid gel in rats
09	Yende Subhash, Harle Uday, Bhurchandi Minal, Ittadwar Abhay	Anxiolytic activity of <i>Sargassum ilicifolium</i> in experimental models of anxiety
10	Naidu SV	Memory enhancing activity of lecithin and Swarna-bhasma in Scopolamine induce memory impairment in rat
11	Borkar S, Malpe B, Deshpande AH, Ittadwar AM;	Formulation and evaluation of orally disintegrating mini tablets of montelukast sodium
12	Katre AM, Wasule DD, Waikar SB, Deshpande AH;	Development of herbal formulation for treatment of vitiligo

### QIP/SDP/CUTP attended

Mr. A.M. Ubgade and Mr. V.S.Patil, attended phase-I induction program sponsored by MSBTE, Mumbai at J.L. Chaturvedi college of diploma in pharmacy, Nagpur from 1/6/15- 12/6/15.



**GURUNANAK COLLEGE OF PHARMACY**  
&  
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