



GURUNANAK COLLEGE OF PHARMACY NAGPUR

INDOCTRINATE

IQAC

NEWSLETTER - 15

15 June 2017



| Inside

➤ Technical Article.....	2
➤ Academic Achievements.....	3
➤ Accolades	4
➤ Events organized	5-10
○ Zenith and Zest 2016-17	
○ Personality Development programme	
○ International Womens day celebration	
○ Educational Tours	
➤ Research and Development Activities.....	9-11
News from Entrepreneurship Development (ED) Cell.....	11

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Technical Article

Green Chemistry Technology

Mr. Gulshan A. Gurunani
Asst. Professor

The Need for Green Chemistry:

By 2050, estimated world population will be 10 billion, Dependence of the present world economy on a declining stream of non-renewable natural resources, persistent bio-accumulative pollutants, health and safety of chemists and public, ozone depletion, loss of biological species in forests and in water, changing climate will be responsible for the unpredictable changes in the hydrologic cycle. Thus, there will be need for Green Chemistry, by developing renewable energy technologies, encouraging the substitution of reagents made from renewable sources for those derived from fossilized carbon, replacing chemical polluting technologies with benign alternatives, reduce persistent, environmental pollutants by creating technology that mimics biochemistry in its elemental balance. One way that chemists are learning and implicating concepts of Green Chemistry is by following the 12 principles of Green Chemistry. They are a set of guidelines that chemists use in order to perform chemistry in a better way. As you take a closer look at them, you will find they are very spontaneous and simply a good exercise.



The term “green chemistry” is defined as “the invention, design and application of chemical products and processes to reduce or to eliminate the use and generation of hazardous substances”. Green chemistry can diminish the need for other approaches to environmental protection.

Twelve Principles of Green Chemistry:

1. **Prevention.** It is better to prevent waste than to treat or clean up waste after it is formed.
2. **Atom Economy.** Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final product.
3. **Less Hazardous Chemical Synthesis.** Whenever practicable, synthetic methodologies should be designed to use and generate substances that possess little or no toxicity to human health and the environment.
4. **Designing Safer Chemicals.** Chemical products should be designed to preserve efficacy of the function while reducing toxicity.
5. **Safer Solvents and Auxiliaries.** The use of auxiliary substances (solvents, separation agents, etc.) should be made unnecessary whenever possible and, when used, innocuous.
6. **Design for Energy Efficiency.** Energy requirements should be recognized for their environmental and economic impacts and should be minimized. Synthetic methods should be conducted at ambient temperature and pressure.
7. **Use of Renewable Feedstocks.** A raw material or feedstock should be renewable rather than depleting whenever technically and economically practical.
8. **Reduce Derivatives.** Unnecessary derivatization (blocking group, protection/deprotection, temporary modification of physical/chemical processes) should be avoided whenever possible.
9. **Catalysis.** Catalytic reagents are superior to stoichiometric reagents.
10. **Design for Degradation.** Chemical products should be designed so that at the end of their function they do not persist in the environment and instead break down into innocuous degradation products.
11. **Real-time Analysis for Pollution Prevention.** Analytical methodologies need to be further developed to allow for real-time in-process monitoring and control prior to the formation of hazardous substances.
12. **Inherently Safer Chemistry for Accident Prevention.** Substance and the form of a substance used in a chemical process should be chosen so as to minimize the potential for chemical accidents, including releases, explosions, and fires.

The aims of the GCT are achieved by:

- Providing news and information about green chemistry via its website and newsletters
- Providing links to other organisations and government departments
- Organising and promoting relevant training courses and conferences/workshops
- Acting as a source of expertise in areas relating to green chemistry
- Providing educational material for universities & schools
- Running specific-themed projects targeting key areas and groups
- Establishing and supporting not-for-profit Research Centres focused on R&D in green chemical processes & regional networks for the promotion of green chemistry

RTM Nagpur University Results M. Pharm Result:			Following students of GNCP qualified GPAT, NIPER and IELTS Exams in 2017.		
Branch	% Result	Topper (% Score)	GPAT-2017 Result		
M. Pharm – III Sem			Class	Name of Student	AIR
Pharmaceutics	90	Ms. Archana Pal (72.10) Ms. Monika Ramgadiya (71.51)	B. Pharm III	Mr. Kundan Singh	2116
Quality Assurance	100	Ms. Preeti Wanjari (83.10) Ms. Aditi Mool (82.51)	B. Pharm IV	Mr. Abhishek Sharma	12
M. Pharm – II Sem				Mr. Manjeet Singh Ramgadiya	250
Pharmaceutics	35.29	Ms. Deepa Singh (68.15) Ms. Kalyani Khune (67.53)		Ms. Shalakra Sahare	777
Quality Assurance	40.0	Ms. Kalyani Thombre (74.15) Ms. Amandeep Kaur Dhillon (72.76)		Ms. Shruti Motwani	1285
P. Chemistry	66.66	Ms. Payal Shahu (69.38) Ms. Nidhi Jaiswal (66.15)		Ms. Deepti Bhagchandani	1963
M. Pharm – I Sem			B. Pharm Alumna	Mr. Prashik Ramteke	1010
Pharmaceutics	76.47	Ms. Kalyani Khune (76.30) Ms. Deepa Singh (73.07)	NIPER-2017 Result		
Quality Assurance	60.0	Ms. Kalyani Thombre (70.92) Ms. Amandeep Kaur Dhillon (69.70)	Class	Name of Student	AIR
P. Chemistry	66.66	Ms. Payal Shahu (70.00) Ms. Trupti Waghmare (63.84)	B. Pharm IV	Mr. Abhishek Sharma	341
B. Pharm – Result :				Mr. Prashik Ramteke	471
Branch	% Result	Topper (% Score)		Ms. Shital Nikhar	857
B. Pharm. VIII Sem	93.10	Ms. Shraddha Shahu (77.90) Mr. Abhishek Sharma (77.63)		Mr. Manjeet Singh Ramgadiya	956
B. Pharm. VII Sem	98.28	Mr. Abhishek Sharma (77.90) Mr. Manjeetsingh Ramgadiya (75.72)		Ms. Deepti Bhagchandani	1009
B. Pharm. VI Sem	95.83	Ms. Farheen Bano (75.18) Mr. Pranav Kulkarni (71.22)		Ms. Shruti Motwani	1252
B. Pharm. V Sem	71.83	Ms. Farheen Bano (74.54) Mr. Snehal Shrivastav (70.36)		Ms. Shalakra Sahare	1380
B. Pharm. IV Sem	82.08	Mr. Hasan Hussain (73.81) Ms. Esha Jain (73.63)	IELTS-2017 Result		
B. Pharm. III Sem	38.24	Mr. Hasan Hussain (73.36) Ms. Esha Jain (72.81)	Class	Name of Student	AIR
B. Pharm. II Sem	90.56	Ms. Maviya Hussain (74.9) Ms. Shifa Sheikh (74.0)	B. Pharm IV	Mr. Simranpreet Singh Bajaj	7.5
B. Pharm. I Sem	61.11	Ms. Maviya Hussain (77.45) Ms. Shivani Darbhe (75.45)		Mr. Zahan Panjwani	6.5
* The results of following subjects were 100 % in academic session 2016-17			Republic day celebration:		
B. Pharm VI Sem : Pharmacognosy and Phytochemistry IV					
B. Pharm VII Sem: Dosage Form Technology I, Pharmaceutical Medicinal Chemistry III, Pharmaceutical Analysis IV, Pharmacognosy and Phytochemistry V					
B. Pharm VIII Sem: Pharmacognosy and Phytochemistry VI					
					
			College celebrated 66th 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.		

ACCOLADES



Gurunanak College of Pharmacy, Nagpur ranked **49th** at **National Institute Ranking Framework (NIRF)**, Ministry of Human Resource Development, Govt. of India, New Delhi. This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations broad understanding arrived at by a Core Committee set up by MHRD. The parameters broadly cover “Teaching, Learning and Resources,” “Research and Professional Practices,” “Graduation Outcomes,” “Outreach and Inclusivity,” and “Perception”.



Dr. S. P. Padmane, Asst. Professor awarded with Ph.D. by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. He has completed his thesis under the guidance of Dr. M. R. Tajne, Professor, Deptt. of Pharmaceutical sciences, RTM Nagpur University, Nagpur on the topic “Forced Degradation Studies and Development of Validated Stability Indicating Assay Methods for the Estimation of Some Antiasthmatic Fixed Dose Combination Formulations”.



Mrs. Archana N. Mungle, Asst. Prof. received Consolation Prize sponsored by Lupin Ltd., Nagpur for paper on "Natural alternative to treat cancer: A study on anticancer activity of *Lawsonia inermis* Linn" presented at ICMR sponsored National Conference on phytomedicine : A novel approach for treatment of cancer, organised by Kamla Nehru College of Pharmacy, Butibori, Nagpur on 25-26 Mar, 2017.



Ms. Lukesha Zade from B. Pharm VIth sem. stood 2nd and won **Silver medal** in 5 km distance 7th State Open Sea Swimming Competition held at Chivla beach, Sindhudurg on 08/01/2017. Also, she stood 3rd and won **Bronze medal** in 2 km distance Khasdar Chashak Jaltaran Spardha organized by Shivni Bandh Jaltaran Sangathan, Bhandara zila, Bhandara on 29/01/2017.



Technology developed by **Prof. Dr. Nidhi P. Sapkal** received Indian Pharmaceutical Association (IPA) and ACG Worldwide (ACG) & SciTech (SciTech Centre) (IPA-ACGSciTech) Award of Innovative Dosage form of the year 2016.



Ms. Monika Kherde (B. Pharm VI sem.) and **Ms. Himanshi Choudhary** (B. Pharm II Sem.) won second prize as a team in Vidarbha Level Intercollegiate Debate Competition organized by Institute of Pharmaceutical Education and Research, Wardha on 29 January 2017. They received a running trophy and cash prize worth Rs. 5000. In Individual Category, **Ms. Monika Kherde** stood second and **Ms. Himanshi Choudhary** stood third in the competition.

● Students of B. Pharm and M.Pharm participated in preliminary online round of National Level Pharma Quiz 2016-2017, organized by Smt. Kishoritai Bhoyar College of Pharmacy, Nagpur in association with Alembic Pharmaceuticals Ltd. on 13 Jan, 2017. Around ten teams participated in the event.

EVENTS

Zenith & Zest 2016-17

The Annual social gathering “Zenith” and Sports Events “Zest” 2016-17 were celebrated in college campus with zeal. Zest 2016-17 was inaugurated by Dr. A. M. Ittadwar 26th December at 11.00 am and Zenith 2016-17 was inaugurated by Adv. Bhanudas Kulkarni, Legal Counselor, RTMNU, Nagpur on 1 Jan, 2017 at 4.00 pm. Various activities performed by the students and staff and the winners in the respective competitions are as follows.



Event	Winner/Runner (Class)	Name of Student/Staff Member
Cricket Boys	Winner (B. Pharm III)	Harshpal Singh Wahi, Satyam Hatwar, Tarun Nathani, Mujahid Ansari, Krishnakant Chhangani, Shabbir Zariwala, Amit Naxine, Shubham Lachhwani, Snehal Shrivastava, Shubham Kalbande, Paras Kothari, Sayyad Ammaruddin, Pranav Kulkarni
	Runner (D. Pharm II)	Akshay Thakare, Roshan Padwal, Viren Lekurwale, Ranjeet Kadam, Suraj Chonde, Mohd. Nadeem, Intesham Ur-Raheem, Mohit Wadhvani, Rupesh Vidhani, Yogesh Darode, Krushna Jadhav, Vedant Wankhede, Kushal Jain
Cricket Girls	Winner (B. Pharm IV)	Pranita Kale, Shital Nikhar, Shraddha Shahu, Shivani Dani, Deepti Bhagchandani, Nikhat Anjum, Kalyani Kale, Ankita Somkuwar, Priyanka Bobade, Poonam Patil, Sucharita Sankade, Simran Kukreja, Shrutika Jain
	Runner (D. Pharm II)	Sheeba Khan, Pragati Jibhkate, Rani Yadav, Akansha Khobragade, Jyoti Yadav, Kalpana Tirpude, Pooja Waghmare, Prapti Matey, Nidhi Narnaware, Komal Dhawale, Pragati Ninave, Shweta Ambatkar, Pooja Madke
ThrowBall	Winner (D. Pharm II)	Sheeba Khan, Rani Yadav, Jyoti Yadav, Yogita Shahu, Komal Dhawale, Kalpana Tirpude, Chandanpreet Nayyar
ThrowBall	Runner (M. Pharm)	Roshni Kunte, Anmol Kalantri, Monika Ramgadiya, Sneha Arkhel, Charulata Chetule, Mansi Aglawe, Amandeep Kaur Dhillon, Payal Shahu
VolleyBall	Winner (D. Pharm II)	Roshan Padwal, Viren Lekurwale, Akshay Kohale, Suraj Chonde, Akshay Thakre, Ranjeet Kadam, Intesham Ur-Raheem, Mohd. Nadeem
VolleyBall	Runner (M.Pharm)	Pradip Dugane, Shubham Dhotarkar, Ankush Sen, Ashish Zanwar, Fahim Abdul, Ankush Khaparde, Karan Sohandani
Chess (Girls)	Winner (M. Pharm II)	Minal Sonule
	Runner (D. Pharm II)	Kalpana Tirpude
Chess (Boys)	Winner (B.Pharm III)	Sanjay Jain
	Runner (B. Pharm III)	Snehal Shrivastav
Carrom (Girls)	Winner (M. Pharm I)	Monika ramgadiya
	Runner (B. Pharm IV)	Supriya Bhagat
Carrom (Boys)	Winner (B.Pharm I)	Vaibhav Kapgate
	Runner (B. Pharm IV)	Abhishek Sharma
Carrom Doubles (Girls)	Winner (B. Pharm III)	Supriya Bhagat, Komal Gupta
	Runner (B. Pharm IV)	Shrutika Jain, Simran Kukreja
Carrom Doubles (Boys)	Winner (B. Pharm I)	Vaibhav Kapgate, Nitin Bire
	Runner (B. Pharm II)	Rahul gaidhane, Rajat Pande
Badminton Singles (Girls)	Winner (M.Pharm I)	Roshni Kunte
	Runner (B. Pharm III)	Sonakshi Singh
Badminton Sigles (Boys)	Winner (M.Pharm I)	Ankush Sen
	Runner (B. Pharm IV)	Pradip Dugane

Badminton Doubles (Boys)	Winner (M. Pharm)	Pradip Dugane, Shubham Dhotarkar
	Runner	Ankush Sen (M. Pharm), Mr. Gulshan Gurunani (Staff)
Treasure Hunt	Winner (B. Pharm IV)	Mikhil Chawala, Sachin Asnani, Ansari Mohd. Athar, Mujahid Ul-Khair, Rajat Pahwa
	Runner (M. Pharm)	Ankush Sen, Pradip Dugane, Shubham Dhotarkar, Ashish Zanwar, Ashutosh K.
Tug of War (Boys)	Winner (B. Pharm IV)	Satnam Singh Khokar, Rahul Kriplani, Sachin Asnani , Vaishnav Borkar, Swapnil Deshmukh, Nikhil Chawla, Manoj Dhoke
	Runner (B. Pharm II)	Pranay Gajbhiye, Rishabh Kaushik, Shubham Dengani, Idresh Khungar Nikhil Sonkusare, Praful Fulwani
Tug of War (Girls)	Winner (B. Pharm IV)	Rani Yadav, Jyoti Yadav, Pooja Madke, Rukshar Khanam, Prapti Matey, Chandanpreet Nayyar
	Runner (D. Pharm I)	Nikita Shahu, Nikita Pohakar, Trupti Moon, Ravina Shingade, Nisha Usendi, Monika Darode
Table-Tennis (Boys)	Winner (M. Pharm I)	Swapnil Deshmukh
	Runner (B. Pharm IV)	Manjeet Singh Ramgadiya
Table-Tennis (Girls)	Winner (B. Pharm IV)	Simran Kukreja
	Runner (B. Pharm IV)	Roshni Kunte
Table-Tennis Doubles (Boys)	Winner (B. Pharm IV)	Swapnil Deshmukh, Manjeet Singh Ramgadiya
	Runner (M. Pharm I)	Ankush Sen, Shubham Dhotarkar
Table-Tennis Doubles (Girls)	Winner (B. Pharm IV)	Shrutika Jain, Simran Kukreja
	Runner (B. Pharm IV)	Shraddha Shahu, Shital Nikhar
Lemon & Spoon Race (Boys)	Winner (B. Pharm IV)	Swapnil Deshmukh
	Runner (B. Pharm III)	Shubham Gupta
Lemon & Spoon Race (Girls)	Winner (B. Pharm IV)	Kalyani Kale
	Runner (B. Pharm III)	Komal Gupta
Dance (Solo)	Winner (B. Pharm IV)	Trushna Jamgade
	Runner (B. Pharm II)	Shraddha Gaikwad
Dance (Duet)	Winner (D. Pharm III)	Mrunali Chaudhary, Kalyani Bhandarkar
	Runner (B. Pharm I)	Komal Kondekar, Himanshi Chaudhari
Dance (Group)	Winner (B. Pharm III)	Shivani Helchel, Yogita Jain, Ankita Rokde, Kalyani Bhandarkar, Komal Gupta, Mrunali Chaudhary
	Runner (M. Pharm)	Ankush Sen, Shubham Dhotarkar, Ankush Khaparde, Ashish Zanwar, Fahim Abdul
Fashion Show	Winner (D. Pharm II)	Kushal Jain, Saurabh Koparkar, Ranjit Kadam, Suraj Chonde, Yogita Shahu, Shraddha Gaikwad, Mohit Wadhwani, Shweta Ambetkar, Intesham Ur-Raheem, Roshan Padwal, Naushin Naaz, Lokesh Bondre, Sheeba Kausar, Satish Changle
	Runner (B. Pharm III)	Sainath Lokewar, Shubham Gupta, Mujahid Ansari, Paras Kothari, Kundan Singh Rajput, Priya Vaswani, Ankita Soni, Ummya Rushin, Asawari Nawghare, Taranpreet Kaur
Drama	Winner (B. Pharm IV)	Abhishek Sharma, Nikhil Chawala, Sachin Asnani, Vaishnav Borkar, Manoj Dhoke, Mujahid Ul-Khair, Manjeet Singh Ramgadiya
	Runner (B. Pharm III)	Ravleen Kaur Sandhu, Yogita Jain, Nishigandha Pawar, Ankita Madhrani, Shital Agashe, Lukesha Zade, Komal Gupta, Shubham Gupta, Shubham Kalbande, Nihal Landge, Kundan Singh Rajput, Pranav Kulkarni, Akshay Kamde, Rahul Langde, Priya Dalwani
Pharma Court	Best Judge(B.Pharm IV)	Rahul Kriplani
	Best Lawyer (B.Pharm II)	Yash Dubey
Antakshari	Winner (B. Pharm IV)	Trushna Jamgade, Ankita Sonkusare
	Runner (B. Pharm IV)	Aditi Mool, Shubham Dhotarkar
Debate	Winner (B. Pharm IV)	Atharva Bhide
	Runner (B. Pharm IV)	Monika Kherde
Quiz	Winner (B. Pharm IV)	Abhishek Sharma, Nikhil Chawala, Manjeet Singh Ramgadiya

Rangoli	Winner (M. Pharm I)	Vidya Bahekar
	Runner (B.Pharm IV)	Shraddha Shahu
	2nd Runner (B.Pharm IV)	Vaishnav Borkar
Mehandi	Winner (B. Pharm III)	Yogita Jain
	Runner (B. Pharm IV)	Shraddha Shahu
Paining	Winner (B. Pharm IV)	Shraddha Shahu
	Runner (B. Pharm I)	Janhvi Parihar
	2 nd Runner (B. Pharm III)	Nishigandha Pawar
Photography	Winner	Nikhil Chawala (B. Pharm IV), Anubhav Morghade (B. Pharm I)
	Runner	Janhvi Parihar (B. Pharm I), Shubham Gupta (B. Pharm III), Abhishek Bapat (B. Pharm II)
Best out of Waste	Winner (B. Pharm IV)	Sachin Asnani, Nikhil Chawala, Rajat Pahwa
	Runner (B. Pharm III)	Nishigandha Pawar, Yogita Jain
	2 nd Runner (B. Pharm IV)	Priyanka Bobde, Trushna Jamgade
Fete	Winner (B. Pharm I)	Janhvi Parihar, Ritika Singh, Maviya Hussain, Shifa Sheikh
	Runner (B. Pharm IV)	Sachin Asnani, Vaishnav Borkar

Personality Development programme



The personality Development Program was conducted in the premises of GNCP, jointly organised by ME TO WE Foundation and Gurunanak College of Pharmacy on 18 March 2017. There was good number of participants for the program.

The program was enriched by the presence of Mr. P.M. Ballal, President of ME TO WE Foundation, Mr. Chetan Marwah, Secretary of ME TO WE Foundation and Guest Speakers Dr. Manoj Salpekar and Dr. Anjali Patil. The guests were introduced by Mrs. Shobha Ubgade and welcomed by Dr. A. M. Ittadwar, Principal with plant saplings. Mr. Chetan Marwah detailed about ME TO WE Foundation.

The first session on the topic "Yes, I can!" started on a positive note and was motivationally conducted by Dr. Manoj Salpekar covering the points of way to success, way of thinking different, how we can become successful? and many more by interacting with students. The second session about basic difficulties in communication and was effectively delivered by Dr. Anjali Patil. She focused on quality communication required and helpful to compete in this challenging world of English. By carrying out some simple vocabulary activities, she gave smart and correct pathway to how to become master of English.

Guests were felicitated with mementos and certificate as a token of love and gratitude. Vote of thanks was proposed by Mrs. A.N. Mungle. The program ended with photosession with guests.

International Women's Day Celebration

Gurunanak College of Pharmacy, Nagpur celebrated International Women's Day on 8th Mar, 2017. To motivate today's woman and to honour achievements of woman power, Ms. Gargi Vairagare, Founder and President of RISE (Rising Infinitely for Social Empowerment): a NGO was invited as chief guest. Young and dynamic personality of Ms. Gargi Vairagare highly influenced the girl students and interacted on importance of Women Empowerment. The programme was conducted and co-ordinated by Extra-curricular Committee.



Farewell Programme : Farewell Programme for B. Pharm and M.Pharm students was organized on 17th Mar, and 22th Mar, 2017 respectively in the college premises. All the staff members and Principal greeted the students and wished good luck to all the outgoing students for their future endeavours.

Educational Tours

Educational Tour to Himachal Pradesh and Punjab



An Educational tour and Industrial visit to Himachal Pradesh and Punjab was organized for the students of B. Pharm between 29 Jan -7 Feb, 2017. In this, students visited Solang Vally, Mall Road, Hidimba Temple, Ghatotkwacha tree, Vashista Temple at Manali, Himachal Pradesh Cricket Association Stadium, Namgyal Monastery, McLeod Ganj, Bhagsu Waterfall at Dharamshala and Golden Temple, Wagah Border at Amritsar. Students also visited Kwality Pharmaceuticals, Amritsar on 5th Feb, 2017. A team of 62 students was escorted by the faculty members Mrs. M. K. Bhurchandi, Mr. G. A. Gurunani and Mr. T. M. Rasala.

Staff Recreational Tour



A recreation picnic was organized on 2nd Dec, 2017 for the teaching staff members. In this picnic faculties visited Maa Umiya Dham, Bhandara road and Gose (Khurd) Dam, Pavani, Dist. Bhandara

Personality Development Tour to Bengal and Sikkim

An educational tour to Bengal and Sikkim was organized for the students of M. Pharm between 9-18 Jan, 2017. In this students visited Belur Math, Science city, Howrah Bridge, Victoria Memorial in Kolkata, Tiger Hills and Tea gardens in Darjeeling, Mirik lake at Mirik, Indo-Nepal border at Pashupati, Kanchenjunga waterfall, Pemayangtse Monastery, Orange Garden, Singshore Bridge at Pelling, Padmasambhava Statue (Guru Rimpoche) at Samdruptse, Buddha Park (Tathagata Tsal) at Rabong (Ravangla), Solophok Hill Siddheshvara Dham (CharDham) at Namchi, Tsomgo (Changu) Lake at Gangtok. 22 Students with faculty members Dr. V. V. Kale, Dr. S. R. Walde, Mr. G. A. Gurunani, Mr. K. S. Moharir, Mr. K. B. Bhelkar and Ms. P. G. Gondane attended the tour.



Industrial Visit at Medley Pharmaceuticals Ltd., Daman



An Industrial visit to Medley Pharmaceuticals Ltd, Daman was organized for the students of B. Pharm on 26th Feb, 2017. 53 students were guided by faculty members Dr. S. R. Walde, Mr. G. A. Gurunani and Mr. T. M. Rasala. They also attended 4th International Congress of the Society for Ethnopharmacology (SFEC) in Uka Tarsadia University (UTU), Bardoli, Surat, Gujarat,

Educational Tour to Pachmarhi

An Educational tour to Queen of Hills 'Pachmarhi', Madhya Pradesh was organized for the B. Pharm I year students on 30 Jan – 1 Feb, 2017. In this, students visited various scenic places like Bee Fall, Dutches Fall, Silver Fall, Panchali Kund, Apsara Vihar, Richh Gadh, Dr. Rajendra Prasad Memorial Museum, Dhoop Gad, Jatashankar, Pandav Gufa, Chauragadh, Bada Mahadev, Gupta Mahadev, Parvati Gufa, A team of 25 students was accompanied by the faculty members Dr. S. P. Padmane and Mr. S. R. Manapure.



GUEST LECTURES

- **Mr. Surendra Durugkar**, Senior Manager, Sandoz (Novartis Company), Mumbai delivered a guest lecture on the topic "Industry Institute Interaction" for B.Pharm Final year students and M.Pharm students on 29 Dec, 2016.
- A team of Police Officers from Police Station, Jaripatka delivered a guest lecture on "Traffic and safety awareness" for the students under the theme of 'Raising Day Week' on 03 Jan, 2017.
- **Ms. Nazia Sheikh** from Stop Cancer Mission, Nagpur delivered the awareness talk on "Cancer Awareness and Preventive Measures" for the teaching and non-teaching staff on 19 Jan, 2017.
- **Dr. Mahesh Kale**, Director of Academy of NIPER Aspirants delivered a guest lecture on topic "Career guidance for higher education" on 23 Jan, 2017. The lecture was organized by committee for higher education, GNCP, Nagpur.

RESEARCH & DEVELOPMENT ACTIVITIES

Publications

- **Vaishali Kilor, Nidhi Sapkal, Anwar Daud, Shruti Humne, Tushar Gupta.** Development of stable nanosuspension loaded oral films of glimepiride with improved bioavailability. International Journal of Applied Pharmaceutics. 2017; 9(2): 28-33. (Impact: 0.67)
- **S. R. Walde, Rachana Devendra.** Microbial evaluation of a marketed herbo-mineral formulation Tribhuvan kirti ras. World journal of pharmaceutical research. 2017; 6(5); 1219-1236 (Impact: 7.523)

Presentations

- **Mrs. A. N. Mungle, Asst. Prof.** presented paper on "Natural alternative to treat cancer: A study on anticancer activity of *Lawsonia inermis* Linn" at ICMR sponsored National Conference on Phytomedicine : A novel approach for treatment of cancer, organised by Kamla Nehru College of Pharmacy, Butibori, Nagpur on 25th & 26th March 2017.
- Following faculties and students attended and presented paper in 4th International Congress of the Society for Ethnopharmacology (SFEC) in Uka Tarsadia University (UTU), Bardoli, Surat, Gujarat, on 23-25 Feb, 2017. The theme of congress was *Healthcare in 21st century: Perspectives of Ethnopharmacology & Medicinal Plant Research*.

Sr. No.	Authors	Title of Paper
ORAL PRESENTATION		
01	T.M. Rasala, P.K.Punwatkar and S.B.Waikar.	Formulation and Evaluation of gel containing Rubiadin rich fraction of <i>Rubia cordifolia</i> and flavonoid rich fraction of <i>Hemidesmus indicus</i>
02	G. A. Gurunani, S. R. Walde & A. M. Ittadwar	Comparative physicochemical evaluation and estimation of chemical composition in Triphala Churna and Triphala Rasa
POSTER PRESENTATIONS		
03	Atharva Bhide, Subhash Yende, Vipin Pande & Abhay Ittadwar.	Anticonvulsant activity of <i>Sargassum ilicifolium</i> (Brown Algae) in mice
04	Ayushi Shahu, Roshan Ramteke, Shekhar Waikar, Keshav Moharir, Krishnakant Bhelkar & Abhay Ittadwar.	Evaluation of anti bacterial activity of the flavonoid rich fraction of <i>Encostemma littorale</i>
05	Deepti Bhagchandani, Bhavana Hirudkar, Shekhar Waikar, Nikhil Adagale & Abhay Ittadwar.	Pharmacognostic studies & evaluation of anthelmintic activity of flavonoid rich fraction of <i>Cassia auriculata</i>
06	Dipika Kalambe, Amar Deshpande & Shekhar Waikar.	Formulation and evaluation of transdermal patch of flavonoid rich fraction obtained from <i>Curcuma longa</i>
07	Junaid Ansari, Akshay Kamde, Shekhar Waikar, Nikhil Adagale & Abhay Ittadwar.	Preliminary phytochemical screening and evaluation of anthelmintic activity of flavonoid rich fraction of <i>Clerodendrum phlomidis</i>
08	Kundan Singh, Shubham Gupta, Shekhar Waikar, Abhay Ittadwar & Rajesh Limsay.	Pharmacognostic studies and evaluation of anthelmintic activity of flavonoid rich fraction of leaves of <i>Clerodendrum infortunatum</i>
09	Nikhil Chawla, Manjeet Singh Ramgadiya, Mujahid ul Khair, Tirupati Rasala, Shekhar Waikar & Abhay Ittadwar.	Solubility enhancement of poorly soluble ofloxacin using natural surfactant from <i>Acacia concinna</i>
10	Poonam Patil, Shekhar Waikar, Krishnakant Bhelkar, Keshav Moharir, Shrikant Tiloo & Abhay Ittadwar.	Determination of anti bacterial activity of the flavonoid rich fraction of aerial parts of <i>Phyllanthus maderaspatensis</i>
11	Pranav Kulkarni, Paras Kothari, Shekhar Waikar, Rajesh Limsay & Abhay Ittadwar.	Pharmacognostic studies and evaluation of anthelmintic activity of flavonoid rich fraction of aerial parts of <i>Cassia tora</i>
12	Pranita Kale, Shital Nikhar, Shekhar Waikar, Tirupati Rasala & Abhay Ittadwar.	Formulation and evaluation of flavonoid rich fraction of aerial parts of <i>Sphaeranthus indicus</i>

13	Priyanka Bhaisare, Rakhi Sarpate, Minakshi Waghmare, Shekhar Waikar, Rajesh Limsay & Abhay Ittadwar.	Preliminary phytochemical screening & evaluation of anthelmintic activity of flavonoid rich fraction of aerial parts of <i>Fagonia arabica</i>
14	Sachin Asnani, Nishigandha Pawar, Zahan Panjawani, Tirupati Rasala, Shekhar Waikar & Abhay Ittadwar.	Solubility enhancement of poorly soluble ofloxacin using natural surfactant from <i>Sapindus trifoliatus</i>
15	Satyajeet Sankade, Swapnil Deshmukh, Rahul Kriplani, Subhash Yende & Sumit Arora	Phytochemical screening and hptlc studies of <i>Padina tetrastomatica</i> (Hauck)
16	Sheelpriya Walde, Gulshan Gurunani, Pranali Kumbhalkar, Shekhar Waikar & Abhay Ittadwar.	Study of anti microbial activity containing flavonoid rich fraction of aerial parts of <i>Cassia auriculata</i>
17	Shivani Dani, Athar Ansari, Tirupati Rasala. Shekhar Waikar, Rajat Pahwa & Abhay Ittadwar.	Formulation and evaluation of aloe vera gel and film from fresh pulp of the leaves of <i>Aloe barbadensis</i>
18	Shruti Motwani, Najish Qureshi, Shekhar Waikar, Rajesh Limsay & Abhay Ittadwar.	Preliminary phytochemical screening and evaluation of anthelmintic activity of flavonoid rich fraction of leaves of <i>Bridelia retusa</i>
19	Shrutika Jain, Chetan Pokar, Shekhar Waikar, Krishnakant Bhelkar, Keshav Moharir & Shrikant Tiloo.	Pharmacognostic studies & assessment of anti bacterial activity of the flavonoid rich fraction of <i>Tephrosia purpurea</i>
20	Simran Kukreja, Shraddha Shahu, Shekhar Waikar, Abhay Ittadwar & Rajesh Limsay.	Pharmacognostic studies & evaluation of anthelmintic activity of flavonoid rich fraction of aerial parts of <i>Tephrosia purpurea</i>
21	Ankush Khaparde, Payal Chauhan, Rohit Kumar, Shekhar Waikar & Abhay Ittadwar.	Evaluation of antibacterial activity of flavonoid rich fraction of aerial parts of <i>Cassia tora</i>
22	Ankita Somkuwar, Nikhat Anjum, Priyanka Bobde, Tirupati Rasala & Shekhar Waikar.	Evaluation of suspending properties of drum sticks polysaccharide from <i>Moringa pterygosperma</i>
23	Apurva Pokale, Deepa Singh, Prerna Pardhi & Shekhar Waikar.	Evaluation of anthelmintic activity of flavonoid rich fraction of roots of <i>Clerodendrum serratum</i>
24	Kajol Gupta, Shalakra Sahare, Nidhi Sahu, Shekhar Waikar & Tirupati Rasala.	Role of dashmoolarishta and asthavarga plants in immunomodulation – Current review
25	Nikhat Anjum, Ankita Somkuwar, Priyanka Bobde, Tirupati Rasala & Shekhar Waikar.	Drum sticks polysaccharide as emulsifying agent in emulsion formulation
26	Priyanka Wadhai, Sneha Hedau, Shekhar Waikar & Tirupati Rasala.	The role of herbal medicine in the treatment of psoriasis and leucoderma
27	Simran Pal, Sneha Raut, Sucharita Sankade & Shekhar Waikar.	Phytosomes: A novel herbal drugs delivery system
28	Roshan Shahu*, Minakshi Waghmare, Bhavana Hirudkar, Roshan Ramteke & Bindu Jacob.	Ethnopharmacological properties of <i>Helicteres isora</i> : A review
29	Ayushri Raut, Trushna Jamgade, Archana Patre & Shekhar Waikar.	The role of herbal medicines in the treatment of cancer: A Review
30	Kalyani Kale, Bhavana Hirudkar, Rasika Mankar & Shekhar Waikar.	<i>Syzygium cumini</i> : A Review

Guest Lecture Delivered/ Resource Person

- **Dr. V. V. Kale** delivered lecture on the occasion of Women's Day on topic Mastering thyself: Unfold the genius, at Nagpur Institute of Technology, Kalmeshwar, Nagpur on 11th Mar, 2017.
- **Dr. N. P. Sapkal** delivered lecture In QIP short term course cum workshop in Industrial applications of Terahertz Radiations at IIT Kharagpur on 31st Mar, 2017.
- **Dr. A. M. Ittadwar** delivered a guest lecture on Recent trends in drug discovery of Natural Products' at ICMR sponsored National Conference on phytomedicine: A novel approach for treatment of cancer, organised by Kamla Nehru College of Pharmacy, Butibori, Nagpur on 25 - 26 Mar, 2017.

Patent Filed

- **Dr. N. P. Sapkal** - Thin Film Formulations of 4-Diphenylmethyl-1-Piperazine Derivatives and Their Salts”, 201621044488 dated December 27, 2016.

Seminar/workshop/SDP/QIP/Training program attended

- **Dr. N. P. Sapkal** attended 3D medicine & Pharmaceuticals Printing Conference, held at MCC Maastricht, The Netherland on 1st Feb, 2017.
- **Dr. V. V. Kale & Ms. P. G. Gondane** attended 5 day Faculty development program on Modernizing Teaching Practices in Pharma Education held at NMIMS Shirpur from 3 - 7 Apr, 2017.
- **Dr. S. R. Walde & Ms. P. G. Gondane** attended a training program on Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) Act, 2013, organized by Maharashtra State Commission for Women at Gurunanak Bhavan, LIT campus, RTM Nagpur University, Nagpur on 28 Jan, 2017
- **Mr. G.A. Gurunani and Mrs. S.A. Ubgade** attended and completed Pre-Ph.D. Course work organized by RTM Nagpur University and conducted by Smt. M. Mundle College of Architecture during 6-16 Feb, 2017.
- **Mrs. M. K. Bhurchandi, Mr. K. S. Moharir and Mr. K. B. Bhelkar** attended and completed Pre-Ph.D. Course work organized by UGC–HRDC, RTM Nagpur University and conducted by Dr. Preeti Dharmik, at Academic Staff College, VNIT Campus, South Ambazari Road, Nagpur during 10-20 Apr, 2017.
- **Mrs. A. N. Mungle** attended ICMR sponsored National Conference on phytomedicine: A novel approach for treatment of cancer, organized by Kamla Nehru College of Pharmacy, Butibori, Nagpur on 25-26 Mar, 2017.

News from Entrepreneur Development (ED) Cell:

Guest Lecture on Personality Development

A guest lecture on Personality Development was organized by Entrepreneurship Development Cell on 4th Mar, 2017. Dr. Sanjay Raghatate, Executive director of Oxford Speakers' Academy was the guest speaker. He stated that knowledge, skill and attitude are the three components for overall development of a professional. He suggested that careful thinking and some minor changes in habits and behavior may make a difference to a great extent with respect to attitude which helps students a lot in their future. With wonderful examples and excellent presentation he stated the importance of communication and how these life skills change the personality of an individual. All the students enjoyed his lively talk full of fun, examples and tips with a take home message on a serious note.



SUCCESS STORY

Ms. Kiran Mazumdar-Shaw Chairperson & Managing Director, Biocon Limited

Ms. Kiran Mazumdar-Shaw is a pioneer of the biotechnology industry in India and the founder of the country's leading biotechnology enterprise, Biocon. Named among TIME magazine's 100 most influential people in the world, Ms. Mazumdar-Shaw is recognized as a thought leader who has made her country proud by building a globally recognized biopharmaceutical enterprise that is committed to innovation and affordability in delivering best-in-class therapeutics to patients across the globe.

Ms. Mazumdar-Shaw holds a bachelor's degree in science (Zoology Hons.) from Bangalore University and has earned a master's degree in malting and brewing from Ballarat College, Melbourne University. She has been awarded with several honorary degrees from Ballarat (2004), University of Abertay (2007), University of Glasgow (2008), Heriot-Watt University (2008), National University of Ireland (2012) and Trinity College, Dublin (2012) for her pre-eminent contributions in the field of biotechnology.

She has been recognized as the only Indian on Forbes' list of 'World's Self-Made Women Billionaires.' Her rich contributions to research, innovation and affordable healthcare have been recognized by several national and international awards.

Ms. Mazumdar-Shaw holds key positions in various industry, educational, government and professional bodies. Ms. Mazumdar-Shaw's commitment to affordable healthcare extends beyond business. Her philanthropic initiatives are directed at making a difference to the lives of the marginalized communities. Through Biocon Foundation's primary healthcare centres, telemedicine initiatives, health awareness programs, public health and sanitation initiatives and preventive screenings for oral and cervical cancer, she is making an enduring impact on society.



HOMAGE

S. PARSHAN SINGHJI KALSI
Ex. MLC and General Secretary
The Sikh Education Society, Nagpur
(1929 - 2017)

*Our Heartfelt
Tribute To
Your Vision,
Selflessness &
Legacy*



From:
Principal, Staff and Students of
Gurunanak College of Pharmacy, Nagpur

Gurunanak College of Pharmacy, remembers its Founder General Secretary S. Parshan Singhji Kalsi, Ex. MLC, who passed away for his heavenly abode on 17th Apr, 2017. S. Parshan Singhji Kalsi, Ex. MLC was a visionary person who worked for the continuous development of The Sikh Education Society, Nagpur.

He was born in 'Sandhra' a small village in district Hoshiarpur (Punjab) on 20th Mar, 1929. He completed his school education from Sanatan Dharm High School of Sham Churasi and civil engineering course from Govt. College of Engineering, Ludhiana. He started his career as civil engineer in CPWD, Delhi and afterwards since 1950 at Nagpur Improvement Trust, Nagpur. Meanwhile he also started his timber business.

In 1956, with some intellectuals of eminent Sikh citizens, he started 'The Sikh education society' and since then he remained its General Secretary. Society started like a small plant with a few students in Gurunanak School and progressed by leaps and bounds. Now it turned in a huge banyan tree where more than 6000 students are taking their education. The motive behind starting pharmacy education was to motivate the entrepreneurs to start their own business.

Various positions held by S. Parshan Singh Kalsiji are

- | | |
|--|----------------|
| • General Secretary, The Sikh education society, Nagpur | 1956-2017 |
| • Member and Leader of opposition,
Nagpur Municipal Corporation, Nagpur | 1975-1980 |
| • Member, Legislative Council of Maharashtra State | 1980-1986 |
| • General Secretary, Vidarbha Football Association | (for 15 Years) |
| • Member, Maharashtra Sports Council | (for 6 Years) |

We express our heartfelt tribute to this visionary and selfless person. We will miss your patronage sir.



GURUNANAK COLLEGE OF PHARMACY

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Nari, Kamptee Road, Nagpur - 440026 (M.S).

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Printed By-
Principal, Gurunanak College of Pharmacy

Designed By-
Mr. Krishnakant Bhelkar, Mr. Subhash Yende

ACADEMIC ACHIEVEMENTS
RTM Nagpur University Results
M. Pharm Result:

Branch	% Result	Topper (% Score)
M. Pharm – III Sem		
Pharmaceutics	90	Ms. Archana Pal (72.10) Ms. Monika Ramgadiya (71.51)
Quality Assurance	100	Ms. Preeti Wanjari (83.10) Ms. Aditi Mool (82.51)
M. Pharm – II Sem		
Pharmaceutics	35.29	Ms. Deepa Singh (68.15) Ms. Kalyani Khune (67.53)
Quality Assurance	40.0	Ms. Kalyani Thombre (74.15) Ms. Amandeep Kaur Dhillon (72.76)
P. Chemistry	66.66	Ms. Payal Shahu (69.38) Ms. Nidhi Jaiswal (66.15)
M. Pharm – I Sem		
Pharmaceutics	76.47	Ms. Kalyani Khune (76.30) Ms. Deepa Singh (73.07)
Quality Assurance	60.0	Ms. Kalyani Thombre (70.92) Ms. Amandeep Kaur Dhillon (69.70)
P. Chemistry	66.66	Ms. Payal Shahu (70.00) Ms. Trupti Waghmare (63.84)
B. Pharm – Result :		
Branch	% Result	Topper (% Score)
B. Pharm. VIII Sem	93.10	Ms. Shraddha Shahu (77.90) Mr. Abhishek Sharma (77.63)
B. Pharm. VII Sem	98.28	Mr. Abhishek Sharma (77.90) Mr. Manjeetsingh Ramgadiya (75.72)
B. Pharm. VI Sem	95.83	Ms. Farheen Bano (75.18) Mr. Pranav Kulkarni (71.22)
B. Pharm. V Sem	71.83	Ms. Farheen Bano (74.54) Mr. Snehal Shrivastav (70.36)
B. Pharm. IV Sem	82.08	Mr. Hasan Hussain (73.81) Ms. Esha Jain (73.63)
B. Pharm. III Sem	38.24	Mr. Hasan Hussain (73.36) Ms. Esha Jain (72.81)
B. Pharm. II Sem	90.56	Ms. Maviya Hussain (74.9) Ms. Shifa Sheikh (74.0)
B. Pharm. I Sem	61.11	Ms. Maviya Hussain (77.45) Ms. Shivani Darbhe (75.45)