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E-NEWSLETTER

## Smt. Sharadchandrika Suresh Patil College of Pharmacy,

Chopda-425107, Dist. - Jalgaon, Maharashtra, India

(Affiliated to North Maharashtra University, approved by Govt. of Maharashtra, AICTE and Pharmacy Council of India)

**CHOPDA-425107 DIST.JALGAON (M.S.), INDIA**

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FOR INTERNAL CIRCULATION ONLY

# NEWSLETTER

2018-19



Smt. Sharadchandrika Suresh  
Patil College of Pharmacy,  
Chopda, Jalgaon, MH.

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### Editor- In-Chief

Dr. G. P. Vadnere

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Editor: Mrs. S. S. Mahajan

Member: Mrs. K. D. Patil

Ms.P.N.Jadhav

Published by:

Principal, Smt. S. S. Patil,  
College of Pharmacy,  
Chopda, Jalgaon.



### Principal Message

**Prof. Dr. Gautam P. Vadnere**  
Principal, Smt. Sharadchandrika Suresh Patil,  
College of Pharmacy, Chopda

I am very happy to know that college is bringing Newsletter with information on academics and encompassing the events of professional activities, research initiatives and pharma updates. I am sure that Newsletter will give an ample opportunity to the students and faculty to bring their talents and contribute significantly to the profession. I take this opportunity to greet all of you and wish you success in all your endeavours.

### President Message



I am delighted to know that Smt. Sharadchandrika Suresh Patil, College of Pharmacy is releasing its Newsletter which updates the co-curricular and extracurricular activities of the staff and students of the college. The aim of college is to preparing the students as Pharmacists and aware them of their rights and duties stipulated on moral issues based on pharmacy ethics and values. I wish you all the best.

**Hon. Adv. Bhaiyasaheb Sandeep Suresh Patil**  
**President, MGSM, Chopda**

## Our Affiliation



The Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (Formerly known as North Maharashtra University, Jalgaon established on 15th August, 1990 under the Maharashtra Universities Act, XXIX of 1989, started its functioning from the academic year 1991-92. The University was awarded with **FOUR STAR** grade in the year 2001, **B grade** with **2.88 CGPA** in the year 2009 And **A Grade** with **3.11 CGPA** in 3<sup>rd</sup> Cycle re-accreditation in year 2015 by

National Assessment and Accreditation Council (NAAC), Bangalore. As per the **National Institutional Ranking Framework (NIRF) - 2016** by Ministry of Human Resource Development, Government of India, **Kavayitri Bahinabai Chaudhari North Maharashtra University (Formerly known as North Maharashtra University)** ranked **59<sup>th</sup>** amongst **top 100 Universities and Institutes in India**. A splendid, unique & excellent multi professional education campus promoted by the KBC NMU.

## Our Institution

Smt. Sharadchandrika Suresh Patil College of Pharmacy Chopda was established in 1992 as self financed pharmacy college in the North Maharashtra University, (NMU) Jalgaon. The institution has made a steady progress during last 24 years. In the year 2006 with the intention of making this institution a centre of higher learning, started M. Pharm. in Pharmaceutics (2006) later M. Pharm in Pharmacognosy (2007) and centre for Ph. D. in Pharmaceutical Sciences (2011). All the courses conducted in this Institution are recognized by Pharmacy Council of India, New Delhi, and All India Council for Technical Education, New Delhi. B. Pharm., M. Pharm. and Ph. D. courses are affiliated to North Maharashtra University, (NMU) Jalgaon. Institute has been certified An ISO 9001-2008 in 2014 for quality management services. Recently institute has achieved NBA accreditation in August, 2016.

## Vision

“To nurture excellence in Pharmacy Profession and mould the institution into a centre of deft Pharmacy Professionals”

## Mission

“We are committed to deliver quality pharmacy education in order to mould the learners into globally competitive Pharmacists who are professionally, intellectually adept and socially responsible”

## Editors Desk



Mrs. Suvarnalata S. Mahajan, Mrs. Kranti D. Patil & Mrs. Prerana N. Jadhav

We the editorial committee have a great privilege on releasing the Newsletter of Smt. Sharadchandrika Suresh Patil, College of Pharmacy, Chopda. As we know a newsletter mirrors a college –its vision and mission. It also highlights events, activities and academic progress of the college. We extend our sincere thanks to our beloved Principal for generous support and also grants the permission to release the newsletter.

“Education is the manifestation of perfection already in man”

## College Toppers (2018-2019)

### First Year B. Pharm, PCI (2018-19)



Wagh Nalini Dinesh (8.19)



Patil Divya Dinesh (8.15)



Zade Manuja Satish (8.04)

### Second Year B. Pharm. (Sem. III) CGPA (2017-18)



Patil Ashwini Anil (8.55)



Nehate Yadnyiki Kiran (8.29)



Pawar Ashvini K. (8.26)

### Third Year B. Pharm. (Sem. V) CGPA (2017-18)



Nhalade Mrunal S. (8.04)



Qureshi Alfaiz Shaikh (8.01)



Songire Harshali Ramesh (7.94)



### Final Year B. Pharm. (Sem. VII) CGPA (2017-18)



Katyare Shubhangi (78.00%)



Chavan Ashwini R. (77.00%)



Patil Bhagyashri (76.00%)

### First Year M. Pharm Pharmaceutics (Sem. I) (2017-18)



Patil Shrutee Sunil (7.62)



Patil Akansha Lalit (7.38)



Kavita Madhav (7.38)

### M. PHARM PHARMACOGNOSY AND PHARMACEUTICS STUDENTS ONGOING PROJECT NAME (2018-19)

Sr.No.	Name of Student	Name of Guide	Title of dissertation
1.	Mahale Sanjeevani S.	Mr. T. Y. Shaikh	Development and Evaluation of Osmotic Tablets of Diltiazem HCL
2.	Patil Gajanan Anna	Mr. Sandeep R. Pawar	Preparation and Evaluation of Microcapsules Containing Anti-inflammatory Microencapsulation Drug
3.	Chaudhari Sagar Nandu	Dr. Bharat V. Jain	Formulation and evaluation of subcutaneous Implantable drug delivery system of Tramadol
4.	Tadvi Samir Babu	Mr. T. Y. Shaikh	Development and evaluation of microspore tablet of Zidovudine
5.	Chaudhari Pavan Arun	Mr. Sandeep R. Pawar	Enhancement of dissolution rate of poorly soluble drug by liquisolid technique
6.	Patil Amol Lahu	Dr. Bharat V. Jain	Formulation and evaluation of extended release tablet of Antihypertensive drug

### Journal and Book Publication

Sr.No.	Name of Faculty	Name of Journal	Year
1.	Dr. G. P. Vadnere	Journal of Traditional & Complementary Medicine	2019
2.	Dr. Santaram Lodhi	Journal of Traditional & Complementary Medicine	2019
3.	Dr. K. D. Patil	Journal of Traditional & Complementary Medicine	2019
4.	Mr. Tushar P. Patil	Journal of Traditional & Complementary Medicine	2019
5.	Dr. Md. Rageeb Md. Usman	Asian Journal of Pharmaceutical Research & Development Journal of drug delivery & Therapeutics Journal of Pharmaceutical & Biosciences	2018 2018 2018

### Book Publication

1. Dr. G. P. Vadnere, Dr. Md. Rageeb Md Usmaan, Textbook of Pharmacognosy & Photochemistry –I, Everest Publishing House, 978-81-7660-3393
2. Dr. Md. Rageeb Md Usmaan, Textbook of Quality Control & Standardization of Herbals, S. Vikas & Company, 978-15-43343-1-82.
3. Dr. Kiran D. Patil, Pralhad K. Kanake, Dr. Md. Rageeb Md Usmaan, PV books Prakashan.
4. Dr. Md. Rageeb Md Usmaan, Textbook of Pharmacology-I, S. Vikas & Company, 978-81-90938-5-25.
5. Mr. Tanvir Y. Shaikh, Dr. Md. Rageeb Md Usmaan, Practical Book of Physical Pharmaceutics-II, Nirali Prakashan, 978-93-88293-68-6.
6. Mrs. Suvarnalata S. Mahajan, Dr. Bharat V. Jain, Dr. MD. Rageeb MD. Usman, Text book of Pharmaceutics-I, Global Education Ltd, Mumbai, ISBN: 978-81-937784-5-6
7. Mr. Kiran D. Baviskar, A Practical Handbook of Microbiology, PV Book Prakashan.
8. Mr. Akshay S. Patil, Dr. Md. Rageeb Md Usmaan, Textbook of Physical Pharmaceutics-II, Nirali Prakashan.

## Our Award Winners



Felicitation of Mr. Rohan Bhoi Dr. G. P. Vadnere &Physical Director Mr. Amol Patil Selected for intergroup Cricket competition



In Yuvarang -2018 Mr. Sidhant Tajane Secured First Prize in cartooning (zonal level) at BP A.C.S. College, Chalisgaon



GPAT QUALIFIERS-2018 Ms. Aswini Chavan and Ms. Snehal Patil



Mr. Chetan Pawar received 2<sup>nd</sup> prize in poster competition at Agrasen School of Pharmacy, Baddi



Mrs. Mayuri Patil & Priyanka Patil selected for University level poster competition



Ms. Roshani Bhavsar received third prize in university Level Assay Writing Competition by the hands of Hon. Eknathrao Khadase at Bhusawal (05/3/19)

## Yoga Day (21<sup>st</sup> June 2018)

Yoga day programmed hosted by Prof. Tushar P. Patil. Mangala Didi the head of Om Shanti Center, Chopda, invited on the occasion of yoga day.



## Demonstrations & Facilities (Demonstration of Fire Extinguisher)



Mr. Tanvir Y. Shaikh giving demonstration of safety measures FIRE EXTINGUISHER to student

## Demonstrations & Facilities (Motic Microscope & Computer Laboratory)



Dr. Santaram Lodhi giving demonstration of Motic Microscope to students



Students understanding the computer application practical's at computer laboratory

## Science Students Visit



Mrs. Kranti D. Patil Mrs. Suvarnalata S. Mahajan guiding the 12<sup>th</sup> science student

## Teachers Day Celebration (05/09/2018)



## Training Program on Sophisticated Instrument UV, HPLC (21Aug.2018 & 30 Jan. 2019)



Mr. Anil C. Vispute Director Reliable Industrial training centre, Jalgaon along with coworkers giving training to students

## Van Mahotsav Week (1 July to 7 July 2018)



Plantation by Teaching, Non teaching staff and students along with Hon. Principal Dr. G. P. Vadnere on the occasion of Vatpournima as per “Maharashtra Harithsena” Tree plantation Program on 19<sup>th</sup> June 2018

## Yuvati Sabha (8 September 2018)

Yuvati Sabha Samiti arranged program on “Cyber crime & Women empowerment” in presence of speaker Ms. Supriya Deshmukh, PSI, Jalgaon. Hon. Mrs. Ashatai Patil, Mrs. Kranti D. Patil felicitated Ms. Supriya Deshmukh. She had given guidance to girls student on cyber crime and made discussion on topic Cyber crime & Women empowerment.



## Botanical tour Arranged By College (18 August 2018)

Tour organized on 22 Sept. 2018 at Karjane, Yawal Vanvibhag, Jalgaon. In Ethno Botanical Tour introduction and identification of plant species was given by the staff of Karjane, Yawal Vanvibhag,



## Fresher's Welcome

"ARABDHA-2018" for First year B. Pharm and M. Pharm students has been organized at SSPCOP Campus dated on 1 Sept. 2018 in presence of Hon. Dr. Smitatai Sandeep Patil and Chief guests Mr. Dipak Girase, Taluka Magistrate, Chopda and Media Representative Mr. Vijay T. Patil & Mr. Sunil Patil & Parents representative Mr. Rajendra Kattyare. Fresher's Day is a welcome party to new comers and there is a need to be friendly and motivate juniors .Mr. Aditya Patil and Ms Chaityna Patil was elected as Mr. and Miss Fresher's respectively.



## Industrial Tour Arranged By Pharmaceutics Department (3/10/2018)



Students visited to Sun Pharma Industry at Baddi, H.P.

## Felicitations



Felicitations of college & GPAT toppers by the hands of Hon. Dr. Smitatai Sandeep Patil, Mr. Sanjay P. Pawade ,Prof. D. B. Deshmukh & Principal Dr. G. P. Vadnere

## Valuable talk @ Outside

Principal Dr. G. P. Vadnere & Dr. J. C. Hundiwale at Arts, Science & Commerce college ,Chopda, Dr. J. C. Hundiwale at Gulabrao Devkar College of Pharmacy, Jalgaon on 25 Jan 2019 & Dr. Md Rageeb Md. Usmaan at Ali Allana College of Pharmacy, Akkalkuwa on 14 sept.2018



## Birthday Celebration of Hon. Founder President Dr. Dadasaheb Suresh. G. Patil (18/11/2019)



### Guest lecture arranged by college

Various experts having diversified experience in the field of Pharmaceutical Sciences were invited in the SSPCOP to update the knowledge of the students about the latest trends in the Pharmaceutical Sciences. The list of these expert talks is given below.

- [1] Dr. J. B. Naik, Chemistry department KBCNMU, Jalgaon had gave valuable guidance and discussed the topic Pharma Engineering
- [2] Mr. Sanjay P. Pawade had given guidance on Entrepreneurship & Soft skill development.
- [3] Mr. Anil C. Vispute, Shree Analytical Lab, Jalgaon delivered lecture and had given practical training about sophisticated instrument such as UV, HPLC & GC.
- [4] Ms. Kalyani Khande had given guidance on Topic “ Stress Free Exam.”



Dr. J. B. Naik delivering lecture on topic, Pharma Engineering on 09/01/2019



Mr. Sanjay P. Pawade giving guidance on Entrepreneurship & Soft skill development on 31/01/2019



Mr. Anil C. Vispute delivering lecture on UV, HPLC & GC on 30/01/2019 & Ms. Kalyani Khande giving guidance on Topic Stress Free Exam

## Interactive Activities / Participation (Avishkar, Conference, Workshop & Yuvarang)



Students and Mrs K. D. Patil & Mrs S. S. Mahajan participated in Avishkar at D. N. College, Faizpur & Jalgaon

Mr. Sidhant Tajane participated in cartooning competition in Yuvarang at Chalisgaon & Jalgaon



Participated in KBC NMU arranged Sahas Karyshala at Karjane & in University level poster competition at ASC, Chopda

Girls students participated in Yuvati Sabha at Pankaj vidyalaya, Chopda & Participated in KBCNMU Assay Writing Competition

### Inauguration and Releases

#### Facilitation Centre Inauguration



#### Magazine Varshgrantha-2018 Inauguration



Inauguration of Facilitation centre by Prof. D. B. Deshmukh, along with Hon. Adv. Sandeep Suresh Patil , Mr. Dilip Salunkhe & Principal Dr. G. P. Vadnere

Inauguration of Annual Magazine “Varshgrantha- 2018” by the hands of Taluka Magistrate Mr. Dipak Girase, Media Representative Mr. Sunil Patil, Mr. Vijay Patil.

### Inauguration @ exam centre (16/3/19)



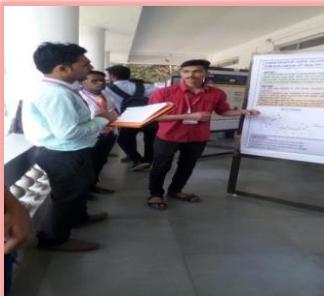
Inauguration of zerox machine in exam centre by the hands of Dr. Bhawanatai Bhosale and Hon. Dr. Smitatai Patil along with Shobhatai Patil, Madhuritai Sachdev, Saralatai Chaudhari, Sunitatai Jain, Prabhatai Jain, Madhuritai Wankhede, Nehatai Bhat, Bhawanatai Potdar,, Minatai Somani, Vaishalitai Agrawal (all invited members)

## Achievement Focus



Felicitation of Dr. Bharat V. Jain & Dr. Md Rageeb by Hon. Adv Sandeep Suresh Patil on Receiving Ph. D

Felicitation of Dr. A.V. Patil by Hon. Adv. Mr. Sandeep Suresh Patil for getting elected as BOS member, KBCNMU



Dr. A. V. Patil, Dr. J. C. Hundiwale & Dr. K. D. Patil, Dr. Md Rageeb  
Expert For Avishkar 2018 at Shirpur Organized by KBC NMU, Jalgaon

Dr. Bharat V. Jain evaluator at Int. conf. Maharaja Agrasen School of pharmacy, Baddi, H.P.



Blood donation camp arranged on the day of Smt. Sharadchandrika Suresh Patil Smruti Din on 5 Dec 2019

## Sports Activities



Inter-collegiate chess competition at MSW College Chopda (30/08/2018), Students participated in Cricket competition at D. N. College, Faizpur (3 & 4/12/2018)

## Sports Committee visit



## VVPAT Program



## LIC Committee Visit



**Felicitation of Dr.Siraj Shaikh by the hands of Principal Dr. G. P. Vadnere & Felicitation of Dr.J.G.Khan, Dr.Rajesh AHIRRAO & Dr.Javesh Patel by the hands of Dr. G. P. Vadnere & Dr. A. V. Patil**

## Parents Meet and Alumni Meet



**Principal Dr. G. P. Vadnere Welcoming the Parents & Alumni**



## One Day National Workshop on Outcome Based Philosophy (15 March 2019)

One Day National Workshop on Outcome Based Philosophy arranged on 15 March 2019 invited speakers are Dr. S. J. Surana and Dr A. A. Shirkhedkar Principal & Vice Principal R. C. Patel, College of Pharmacy Shirpur respectively. Inaugural speech given by Principal Dr. G. P. Vadnere and introduction given by Dr. Bharat V. Jain. Dr. Smitatai Patil felicitated Dr. S. J. Surana & Mrs. Ashatai Patil felicitated Dr. A. A. Shirkhedkar.



## Annual Gathering “Samarpan 2019”

Annual Gathering “**Samarpan 2019**” was inaugurated on 16 March 2019 in presence of Hon. Dr. Smitatai Sandeep Patil & Mrs. Ashatai Patil with invited Chief guests are Dr. Bhawanatai Bhosale, Shobhatai Patil, Madhuritai Sachdev, Saralatai Chaudhari, Sunitatai Jain, Prabhatai Jain, Madhuritai Wankhede, Nehatai Bhat, Bhawanatai Potdar, Minatai Somani, Vaishalitai Agrawal and Principal Dr. G. P. Vadnere



## Annual Gathering “Samarpan 2019”(Cultural Events)



### Pharma Updates

#### Pharmacovigilance as Career Guidelines

**Pharmacovigilance**, which is one of the unique careers, is associated with life science and pharmacy. The role of this scientific discipline is to analyse the side effects of drugs; they monitor the safety of drugs that are available in the market. Whenever any effect is reported, the pharmacovigilance professionals are the ones who follow up with the case and carry out the necessary tests, etc. accordingly. Briefly, pharmacovigilance professionals have to monitor, assess, detect and prevent the adverse effects of medicines.

#### How To Pursue A Career In Pharmacovigilance:

Candidates who have graduated from life sciences degree such as botany, zoology, biotechnology, microbiology, biochemistry, genetics, etc. are eligible to pursue this field. One can also pursue pharmacovigilance with chemistry

as a subject at postgraduate or undergraduate level. However, 50% marks in aggregate are required. Pharmacovigilance Courses After their graduation, one can take up a certificate or a diploma course related to the pharmacovigilance. There are many certificate courses available for interested candidates. However, the duration varies from one course to another. Institute of Clinical Research India (ICRI), which has branches across the country, offers diploma courses in pharmacovigilance. The Faculty of Clinical Research (FCR) offers one-year postgraduate diploma and executive diploma course in pharmacovigilance. The Professional Certificate in Pharmacovigilance, offered by Catalyst Clinical Services, is also one of the best available courses. Pharmacovigilance Scope India is one of the largest producers of pharmaceuticals in the world and is popular even for exporting the pharmaceuticals. There are more than 8000 licensed drug manufacturers in India which will recruit pharmacovigilance professionals in good numbers. There are many job opportunities abroad, in countries like the United States and the European countries, too. Pharmacovigilance Opportunities As stated above, there will be no shortage of jobs in this field. Candidates will find many job opportunities in pharmaceutical companies along with a few positions in the public sector. Some of the top recruiting companies are Dr Reddy's lab, Cipla, Ranbaxy Laboratories, Johnson & Johnson, Matrix laboratories Ltd., Pfizer, Ranbaxy, Asian Clinical Trials, Merck, and Novartis.

### **Pharmacovigilance Job Responsibilities:**

The roles and responsibilities of the pharmacovigilance professional include tracking of all the reports related to drugs. They have to review and assess all the documents on drugs. The professional has to enter the database reports as well besides performing the label assessment. Pharmacovigilance Salary After completing the certificate or diploma course in pharmacovigilance, one can start their career in this profession.

Source:<https://www.careerindia.com/features/career-in-pharmacovigilance-scope-and-job-opportunities-023324.html>

Read more at: <https://www.careerindia.com/features/career-in-pharmacovigilance-scope-and-job-opportunities-023324.html>

## **Nanorobotics as a Nanomedicine**

Potential uses for nanorobotics in medicine include early diagnosis and targeted drug-delivery for cancer, biomedical instrumentation, surgery, pharmacokinetics, monitoring of diabetes, and health care.

In such plans, future medical nanotechnology is expected to employ nanorobots injected into the patient to perform work at a cellular level. Such nanorobots intended for use in medicine should be non-replicating, as replication would needlessly increase device complexity, reduce reliability, and interfere with the medical mission.

Nanotechnology provides a wide range of new technologies for developing customized means to optimize the delivery of pharmaceutical drugs. Today, harmful side effects of treatments such as chemotherapy are commonly a result of drug delivery methods that don't pinpoint their intended target cells accurately. Researchers at Harvard and MIT, however, have been able to attach special RNA strands, measuring nearly 10 nm in diameter, to nanoparticles, filling them with a chemotherapy drug. These RNA strands are attracted to cancer cells. When the nanoparticle encounters a cancer cell, it adheres to it, and releases the drug into the cancer cell. This directed method of drug delivery has great potential for treating cancer patients while avoiding negative effects (commonly associated with improper drug delivery). The first demonstration of nanomotors operating in living organism was carried out in 2014 at University of California, San Diego. MRI-guided nanocapsules are one potential precursor to nanorobots.

Another useful application of nanorobots is assisting in the repair of tissue cells alongside white blood cells. Recruiting inflammatory cells or white blood cells (which include neutrophil granulocytes, lymphocytes, monocytes, and mast cells) to the affected area is the first response of tissues to injury. Because of their small size, nanorobots could attach themselves to the surface of recruited white cells, to squeeze their way out through the walls of blood vessels and arrive at the injury site, where they can assist in the tissue repair process. Certain substances could possibly be used to accelerate the recovery.

The science behind this mechanism is quite complex. Passage of cells across the blood endothelium, a process known as transmigration, is a mechanism involving engagement of cell surface receptors to adhesion molecules, active force exertion and dilation of the vessel walls and physical deformation of the migrating cells. By attaching themselves to migrating inflammatory cells, the robots can in effect "hitch a ride" across the blood vessels, bypassing the need for a complex transmigration mechanism of their own. As of 2016, in the United States, Food and Drug Administration (FDA) regulates nanotechnology on the basis of size.

Reference: <https://en.wikipedia.org/wiki/Nanorobotics>