



AMBE DURGA EDUCATION SOCIETY'S
**DADASAHEB BALPANDE
COLLEGE OF PHARMACY**

Near Swami Samarth Dham Mandir, Besa, Nagpur -37 (MS)
(Permanently Affiliated to RTM Nagpur University, Nagpur)

NBA, NAAC Accredited

Approved by AICTE, PCI, Recognized under 2(f) and 12 (B)
of UGC Act

Platinum Rank in AICTE-CII Survey

NIRF 2019 & 2021

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Pharmaceutical Sciences



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- Active Research & Innovation Cell, ED Cell, T and P Cell
- Collaboration & Liaison with Reputed Pharma Companies
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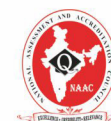


AMBE DURGA EDUCATION SOCIETY'S

DADASAHEB BALPANDE COLLEGE OF PHARMACY

Inspiron eBulletin

ISSUE : 1
NOV. 2020 TO JUN 2021





Inspiron

Ambe Durga Education Society's
DADASAHEB BALPANDE COLLEGE OF PHARMACY
Besa, Nagpur

eBulletin



VISION :

- ❖ To become academic leader by achieving excellence in imparting knowledge, skills and attitude in our students to make them globally competent in Pharmaceutical Sciences.

MISSION :

- ❖ Imparting quality education to students and make them competent and skilled professionals.
- ❖ Implementing pedagogical innovations that are comparable to global standards.
- ❖ Inculcate research as an integral component of learning process.
- ❖ Inclusiveness and diversity among relevant stakeholders.

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Asso. Professor
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Shri. Manoj V. Balpande
President ADES, Nagpur

A Message from the

PRESIDENT



“When you educate one person you can change a life, when you educate many you can change the world”- Shai Reshef

The vision and mission of Ambe Durga Education Society guide us for our responsibility to impart quality education to all parts of Society.

It is the matter of great pleasure that our institute Dadasaheb Balpande College of Pharmacy have one more feather in cap of NBA accreditation along with NAAC, NIRF ranking, and platinum rank in CII survey of AICTE. It would give us huge pleasure that you have chosen DBCOP platform and given chance us to help in shaping your professional career. Today, the college symbolizes the meaning of quality education and professional achievement. However, there is an ample room for further development since acquiring knowledge is endless process. As educational institution we value excellence, innovation diversity of community, diversity of ideas, integrity, academic freedom, collaboration, and accountability of resources and relationships, sharing knowledge in a learning environment, and application of knowledge and discovery to advance the quality of life.

I am glad to know that college is committed to cater the high-quality technical education in pharmacy. This e-bulletin represents the academic, co-curricular and extra-curricular activities of the college. I am sure that this e-bulletin will include details of creativity and talents of students in various activities undertaken. These youth events are meant for enjoyment & exchange of ideas, which prepares the technocrats to enter the highly competitive technical arena with overall personality & abilities. I congratulate & convey my best wishes to the editorial team of e-bulletin, DBCOP, Besa, Nagpur.

Shri. Manoj V. Balpande
President, ADES Nagpur



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Dr. Ujwala Mahajan
Principal

A Message from the

PRINCIPAL



Dear Parents and Students,

Welcome to DBCOP, Besa, Nagpur Maharashtra. Our vision is to educate the youth to become academic leader by achieving excellence in imparting knowledge, skills and attitude in our students to make them globally competent in Pharmaceutical Sciences. We are a caring society where the needs of students are paramount. The institute offers B. Pharmacy, M. pharmacy and Ph.D programs aimed at providing a emphasizes learning, as well as community and personal growth.

It gives me an immense pleasure to see that editorial committee of the DBCOP e-bulletin is publishing its first issue "Nov - June 2021. This e-bulletin is compilations of news, achievements and forthcoming events at DBCOP, Besa Nagpur. The institute is putting all its efforts to excel in the field of pharmacy. Our efforts to achieve excellence have been endorsed with accreditation by NBA, NAAC, NIRF ranking, and platinum rank in CII survey of AICTE. The institute has a blend of experienced and young faculties who have contributed lot in grooming the students. To their endeavour this year, good number of students of our institute have qualified GPAT and NIPER Examinations. I congratulate faculties and students for the achievements.

Also, I extend my greetings and compliments to the editorial team. I wish the students, faculties and supporting staff of DBCOP a Happy and Wonderful Academic Year.

Dr. Ujwala Mahajan
Principal
DBCOP, Besa, Nagpur.



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Dr. Ajay Pise
Editor in Chief (e-Bulletin)

A Message from the **EDITOR**



I am delighted to hand over the current issue of 'Inspiron' a DBCOP's college bulletin to our esteemed stakeholders.

Team 'Inspiron' takes this opportunity to congratulate all stakeholders for the successful NBA accreditation of DBCOP. Perhaps DBCOP is the only institution in the region to have noticeable achievements like NAAC, NBA, NIRF ranking, platinum ranking in AICTE-CII survey, ISO certification, UGC recognition under 12(B), 2(F), Green Audit, permanent affiliation at RTMNU, etc. within fifteen years from its establishment.

'Inspiron' is a reflection of achievements, activities at DBCOP. It is our effort to make aware our stakeholders of the current happenings and progress of DBCOP. This bulletin is the outcome of efforts taken by our editorial team in the compilation, processing of data, and designing it in a presentable format.

Dr. Ajay Pise

Editor in Chief (e-Bulletin)
DBCOP, Besa, Nagpur.



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Besa, Nagpur



Dr. Purushottam Gangane
Associate Professor
Dept. of Pharmaceutics,
DBCOP, Besa, Nagpur.

ARTICLE

Article

POST COVID COMPLICATION: MUCORMYCOSIS

The novel coronavirus (CoV) was first identified in Wuhan, China, in December 2019 among a group of patients that shown an unidentified form of viral pneumonia with common history of visiting a seafood market.^{1,2} Later the disease was named Coronavirus Disease-2019 (COVID-19).³ Since then, the virus has spread all over the world causing an huge number of hospitalizations and fatalities in many countries. The

World Health Organization (WHO) declared COVID-19 pandemic as a global public health emergency on January 30, 2020.

COVID-19 is caused by a virus named Severe Acute Respiratory Syndrome-Coronavirus 2 (SARS-CoV-2), which is a member of β -CoVs. The CoV family is a class of enveloped, single-stranded RNA viruses that can cause respiratory, gastrointestinal, hepatic, and neurologic diseases.⁵

COVID-19 can cause five different outcomes: asymptomatic infection; mild to moderate cases that often resolve within 2 weeks; severe cases; critical cases; and death.³ Older people and those with comorbidities like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness. There is no definitive therapy against SARS-CoV-2 yet. Although positive treatment outcomes have been reported with antiviral therapy on selected patients, supportive care and oxygen supplementation remain as the mainstay of the management of COVID-19. The search for therapeutic agents against the virus is underway in many parts of the world.¹⁰⁻¹⁴ The different vaccines are now available and showing the better protection against COVID-19 infection. vaccines are Preventive measures have been forwarded by WHO as major ways of mitigating the outbreak.

The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus, the disease it causes and how it spreads. Protect yourself and others from infection by washing your hands with soap or using an alcohol based sanitizer rub frequently and do not touch hands to the face. & cover the face by face mask. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it's important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

The COVID-19 has death rate of 3.0 %, it indicated that the most of the patients get recovered from the disease. But this is not the end of the problems so many peoples who got recovered from this disease has to face the severe health issues and mucormycosis is one of them.



What is Mucormycosis?

Mucormycosis is a fungal infection that mainly infects people who are on medication for other health problems that reduces their ability to fight environmental pathogens. Now a days in India and all over the world the cases of Mucormycosis suddenly increases and most of the patient who are recovered from COVID-19 are found to be susceptible to this infection. Sinuses and lungs of such individuals are affected when these fungal spores are inhaled from the air. This infection can also enter in body through open wounds.

What are the common symptoms?

This can lead to serious disease with warning signs and symptoms depend on which part of the body is involved as follows.

- Pain and redness around eyes and /or nose
- Fever
- Headache
- Coughing
- Shortness of breath
- Bloody vomits
- Altered mental status

The Causes of disease

- Uncontrolled diabetes mellitus
- Immunosuppression by steroids
- Prolonged stay in ICU
- Co-morbidities- post transplant/ malignancy
- Voriconazole therapy

Infections Can be Prevented by

- Wear the mask if you are visiting dusty construction site
- Wear shoes, long trousers, long sleeve shirts and gloves while handling soil (gardening), moss or manure
- Maintain personal hygiene including through scrub bath



When to suspect by COVID-19 patients

If the patient recovered from COVID-19 and if the following types of symptoms are seen, it indicates the mucormycosis infection.

- Sinusitis- nasal blockade or congestion, nasal discharge (blackish/bloody), local pain on the chick bone.
- One sided facial pain, numbness or swelling
- Blackish discoloration over bridge of nose/palate
- Toothache, loosening of teeth, jaw involvement
- Blurred or double vision with pain, fever, skin lesion, thrombosis, necrosis.
- Chest pain, pleural effusion, haemoptysis, worsening of respiratory symptoms.

Precautions to be taken

- Control hyperglycemia
- Monitor blood glucose level post COVID-19 discharge and also in diabetics
- Use steroid judiciously – correct timing, correct dose and duration
- Use clean, sterile water for humidifiers during oxygen therapy
- Use antibiotics/antifungal judiciously
- Keep watch on warning signs and symptoms
- If symptoms are appeared immediately consult the physician

Management of Disease

- Reduce steroids (if patient is still on) with aim to discontinue rapidly
- Discontinue immunomodulating drugs
- No antifungal prophylaxis needed
- Extensive Surgical Debridement - to remove all necrotic materials
- Medical treatment
- Install peripherally inserted central catheter (PICC line)
- Maintain adequate systemic hydration
- Infuse Normal saline IV before Amphotericin B infusion
- Antifungal Therapy, for at least 4-6 weeks (see the guidelines below)
- Monitor patients clinically and with radio-imaging for response and to detect disease progression If proper treatment and precautions are taken mucormycosis is manageable and curable disease.





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COLLEGE News

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NSS Activity Tree Plantation Program at Medicinal Garden DBCOP

Tree plantation program was organized at DBCOP, through NSS unit on 04/11/2020 at 11am to 4pm. The faculty and students of our college were actively participated in the program. The tree plantation was done at Medicinal garden of DBCOP by faculty members and students were

instructed to conduct tree plantation at their own premises. At the end of the program there was a photo session with President ADES Mr. Manoj Balpande, Principal Dr. (Mrs.) Ujwala Mahajan, IQAC coordinate Dr. Ajay G. Pise and Faculty members.



NSS Week Celebration 2020 Environment And Sustainable Development

NSS week was celebrated by DBCOP on 9th Nov. to 11th Nov. 2020, in which various program were conducted to incorporate team spirit in students, the program was initiated with inauguration followed by online video presentation on "Environment and sustainable development". In which the importance of the plantation and sustainable sources of energy & its development have been incubated in students, The program was followed by

tree plantation activity in which the students have to plant at least one plant in their vicinity & have to take selfie with it with an oath to take care and nurture that plant. The day was ended with the questions and feedback on the topic. Day two was started with great zeal since the topic of presentation was "Respect the women". In this the importance of the women empowerment was majorly focused. The program was further enriched by donation of mask to needy person. The students willingly participated in this activity. Another enthusiastic started by a session on "Hunger" to imbibe the importance of food in students. Swachata Abhiyaan was also carried out as a social awareness event on this occasion. The session was winded up by thanking the authority, students & society at large.

NSS Event Samvidhan Diwas Celebration

Constitution day (Samvidhandiwas) is celebrated in our country on 26th Nov. As our team of DBCOP celebrated samvidhandiwas as NSS activity at conference hall of DBCOP. The day was celebrated in the notable presence of President ADES Mr. Manoj Balpande, Principal Dr. (Mrs.) Ujwala Mahajan, IQAC co-ordinator Dr. Ajay G. Pise and all the faculty members



SAMVIDHAN DIWAS



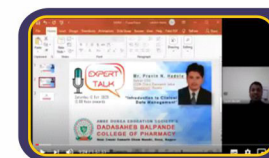
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Online Expert Talk On Introduction To Clinical Data Management

DBCOP has enthusiastically carried out on 12 Dec. 2020, an outline expert talk on "Introduction to Clinical data management" with an initiative to share knowledge about the data management in pharmacy profession. Mr. Pravin Hadole senior CDC at ICON Clinic Research, Kerla has delivered an expert talk and impressed students by his valuable words. The students shared and interacted their queries with Mr. Hadole and pull out the knowledge to impact it in practical life.

Online Guest Lecture on Introduction to Pharmacovigilance

An online guest lecture was organized on 19 Dec. 2020, by DBCOP on topic entitled an introduction to pharmacovigilance to incorporate quality education about pharmacovigilance and drug safety in pharmacy field. The expert talk has been delivered by Mr. Abhijeet Kadu, Drug safety specialist from Fidelity Health Services, Mumbai. He shared his valuable knowledge among final year students & Staff. The students grabbed a bucket full of expert value and awareness about the subject which definitely help them to reach greater height in their pharmacy carrier. The session was ended with thanks to the Speaker and President ADES Mr. Manoj Balpande.

Campus Connect

An online interactive session on campus connect was organized by DBCOP and Alumini association on 3rd, 4th and 5th of Dec, 2020, to provide a platform for students to get acquainted with the know-hows of campus placement and interview. Alumnus from DBCOP, Mr. Vishal Yerpe (2011 Batch), Mr. Vaibhav Sawarkar (2011 Batch) and Mr. Chetan Ghongade (2011 Batch) initiated the idea of importance of campus drive and shared their views about how to face campus interview, the communication skills and confidence required. A good interactive session with Alumini instilled enthusiasm, zeal and quality education in the future batch of students.



Online Certificate course on Elevating Ethical Practices In Pharmacy Profession

A certificate course in elevating ethical practices among students in pharmacy was organized on 8th - 31st Jan 2021 and conducted by DBCOP with great enthusiasm. The course was conducted with an objective to spread awareness about fundamentals of ethical practices in pharmaceutical sciences: to train them & to imbibe and encourage ethical practices among them. Speakers such as Mr. Salil Pendse, Mr. Manish Bhalkar, Dr. Mitali Bodhankar inculcate the knowledge of fundamentals of ethics, Interpretation of pharmacist oath, publication ethics, ethical practices in work place, ethical practices in animal handling, ethical practices in research and amongst of more value is ethical responsibility towards climate change & hazard management. The students grabbed knowledge about their role as pharmacist in all this ethical practices.





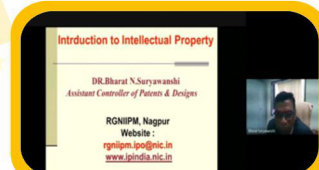
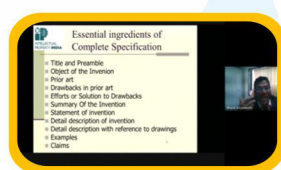
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On line webinar on IPR & Patent Process, Awareness Program

DBCOP has organized Online webinar on dated 20th Jan 2021, on Intellectual Property Rights (IPR) & Patent Process. Awareness Program with great enthusiasm with an aim to provide value added education session to students and staff about the role of Patent in research activity. The session was conducted by Dr. Bharat Suryawanshi, Assistant Controller of Patent & Designs. He has shared his valuable knowledge about Property rights & Patent among the attendees. This value education session imparted great knowledge in the research carrier of students & staff which definitely help them to achieve high in their research goals.

72nd Republic Day Celebration

DBCOP, Celebrated the 72nd Republic Day on 26 Jan. 2021 with immense patriotic zeal through an offline platform. The day was celebrated in the notable presence of President ADES Mr. Manoj Balpande, Principal Dr.(Mrs.) Ujwala Mahajan, Chief Guest Mr. Thanekar (Certified Green Auditor) and students of P.G. and Ph.D. Green Audit Report and Certificate was honoured to the Principal DBCOP on this occasion.



Parents meet & induction program

A parents-teacher meet and induction program has been organized on 6th Feb 2021. DBCOP teachers interacted with the parents & students to guide them about the overall growth of their ward in DBCOP during 4 years degree course. Also informed them about the syllabus, facilities etc. An interaction session was carried out during the program where each & every students and parents interacted with teachers and gained knowledge about the activities conducted in DBCOP. The session was carry forwarded by visiting classrooms, research labs, library and college campus. Finally, a feedback was taken from each parent about the program where parents shared their opinion about college, teachers and over all code of conduct of DBCOP.



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Guest Lecture on Road safety Measures

Talking into the view of the road accidents and ongoing increasing traffic in the Nagpur region. DBCOP has organized guest lecture on "Road Safety Measures" on 16th Feb 2021, college students and staff members were make aware about the traffic rules and precautionary measures while driving their vehicles by Mr. Sanjay Kumar Gupta, President Youth Development Audience, Nagpur. The session was very well conducted which not only inculcate knowledge about road safety measures but also the importance of traffic rules in the youthful generation.

Campus Drive

DBCOP has organised on 20 Feb. 2021 an offline campus drive for final year students of DBCOP and other pharmacy institutes. The drive was conducted for recruitment of pharmacist at Appollo Pharmacy Pvt. Ltd. Around 50 students from DBCOP and other institutes had participated in the selection process. Mr. Oscar Waz, Manager HR. Appollo Pharmacy and his team conducted aptitude test and personal interview of students. Around 15 students got offer letters to join the company.



Library Orientation Program

Library Orientation Program was organized by Library Advisory committee at Dadasaheb Balpande College of Pharmacy on 22nd Feb 2021 using online platform. Chief guest of this program was Dr. Parag M. Paradkar, Librarian G. S. College of commerce & Economics, Nagpur. He has guided students on "Importance of reading habits & use of e-resource in higher education". The main objective of this program was to make aware first year students, about library, vision, rules & regulation & utilization of library facilities. Total 90 students of B.Pharm and M.Pharm I year were benefitted from this program.





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Workshop on handling of Spectrofluorophotometer



To insulate the knowledge about instrument handling in young minds a workshop on handling of spectrofluorophotometer has been organized by DBCOP On 22nd-24th Feb. 2021 in associate with Shimadzu Toshvin Pvt. Ltd. Mumbai, Dr. Amol Shinde, application Scientist Shimadzu Pvt.Ltd Mumbai & Mr. Ritesh Gokhale Executive Engineer, Toshvin Pvt. Ltd. Nagpur imbibed the concept and application of Spectrofluorophotometry in the youthful and enthusiastic students of pharmacy profession. Student gained

knowledge about handling of the instrument its software and calculation which impart value added role in their research knowledge. The workshop was concluded with vote of thanks to organising team and all concerns.



NBA Peer Team Visit



DBCOP has recently undergone National Board of Accreditation visited on 19th to 20th March 2021. The institute has applied for NBA accreditation for B. Pharmacy program and expert team evaluated the status of institute physically and analyzed all the facilities according to the criteria laid down for NBA. During the two-day visit the team of experts have conducted a tour of overall college, where they interacted individually with the faculty members, discussed and studied

different committees and their working, reviewed laboratories, equipment adequacy, conduct of lab sessions, functioning of placement cell, visited respective departments to evaluate their attainment of POs. Finally, the expert members shared their valuable suggestions and feedback for the improvement of DBCOP with the administrative staff and faculty members of the institute.



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Online Session on Mental Health During Lockdown

On taking the opportunity to refresh the minds in covid-19 pandemic another enthusiastic online interactive event on mental health during lockdown and covid-19 pandemic has been organized by DBCOP. Dr. Sharmishtha Gupta, Psychologist and Counsellor shared her views on how to remain positive in the pandemic situation. She also taken a counselling session where various ways were discussed to divert and calm the mind in such situation. The session filled positivity and creativity in the minds of attendees.



World Yoga Day



On the occasion of world yoga day DBCOP has organized online yoga session on yoga for respiratory health in Covid -19 with an initiative to share the importance of yoga not only during Covid -19 pandemic but also day to day practice Mrs.Meena Deshmukh, Prof.of yoga and Neutropathy Mahavidyalaya Nagpur shared her knowledge about importance of respiratory health during Covid-19 and value of yoga to improve health and immunity in such pandemic condition. Students and staff members enthusiastically participated in this session and conducted yoga with proper instruction and under guidance of Deshmukh madam with an oath to practice yoga in a daily routine .Students share their opinion about vital importance of yoga after the energy field yoga session and assured about sharing this lively experienced and importance of yoga with friends and family.



Recent Biodiversity Avenues

A programme on recent biodiversity avenues has been organized by Dadasaheb Balpande college of pharmacy on 26th June 2021 at 11:00 am, through online platform to impart the role of nature and biodiversity in human life. It was an initiative by NSS Cell where the eminent speaker, Mr. Ambarish Ghatate, Director, Manas Ayurveda Nagpur inculcated the knowledge about various avenues of biodiversity in students mind.

